## Revison History (Net Igo Campus System)

		Dericin Itera
	Туре	Revision Items
Ver9	.0 (2020/07/16)	
1	New Feature	(NET CLASS) Realtime show usage fee in teacher app.
2		(NET CLASS) Textual chat with support center in classroom for teaher.
3		(NET CLASS) Visualize the movable permission in student's share review goban.
4		(COMMON) Notice Board show.
5	-	(AI GOBAN) Katago 1.4.5 upgrade.
6		(PROBLEM LIB) Merge library selection and library contents showing, in one window.
7		(NET CLASS) Add length limit of 256 characters, in textual chat for both teacher and student.
8	""	(NET CLASS) Show the usage state of share review goban by [SHARE REVIEW] button's back color.
9	""	(NET CLASS) Auto create file name by players info, when save a IGC game kifu.
10	""	(NET CLASS) Add output condition of student type in attendance report output.
11		(NET CLASS) Word fix in student info management window.
12		(NET CLASS) Show error message when download class info with net disconnection state.
13		(NET CLASS) Show Nigiri button only when komi points is set to 6.5 or 7.5.
14		(NET CLASS) Extend komi point setting to 100 points.
15	""	(SYS MGMT) Manage teacher's version number in server side.
16		(SYS MGMT) Manage time usage statics in center server.
17		(SYS MGMT) Visualize muti-room share, online student count and 1 room mode, in server mng system
18	Bug Fix	(NET CLASS) Other tele conference system is affected, even removed the video/audio options in IGC.
19	""	(NET CLASS) Employee teacher fails to get student's school grade info.
20		(NET CLASS) App exits in abnormal when a blank type exist in student's type edit window.
21		(NET CLASS) App exits in abnormal when start a lesson in net disconnection state in extension mode,
22		(NET CLASS) App exits in abnormal when create a student and edit and save immediately,
23		(AI GOBAN) Microphone is opened compulsory in app exit.
24		(SYS MGMT) Login datetime is not recorded, when teacher login from overseas server.
Ver8	.9 (2020/06/11)	
1		(NET CLASS) Students' attendance report print.
2		(NET CLASS) Edit and show onboard comment in share review window.
3		(NET CLASS) Game judgement with points by teacher.
4		(NET CLASS) Rank set by staff, and history view for ower teacher.
5		(NET CLASS) Share review goban for multi-room use. (lecture for above 10 students)
6		(NET CLASS) Controls of students' speaker in teacher side.
7		(NET CLASS) Set start move for a game of external kifu.
8	Improvement	(AI GOBAN) Katago 1.4.2 upgrade.
9	""	(NET CLASS) Show teahcer's IGC version, OS version and class information in observer app.
10	""	(NET CLASS) Show [Reset Settings] message, when sub app can not start up.
11		(NET CLASS) In rank edit window, shows the save button only when rank is changed.
12		(NET CLASS) With offline game start option, attach (*) mark for online students in game start window.
13		
		(NET CLASS) Stop the auto goban shift, when teacher is calculating game points or viewing a game.
14		(NET CLASS) Topmost show option for share review window.
15	""	(NET CLASS) Audio use option in teacher side. (for combination use with other web conference system)
16		(NET CLASS) Hide seat count colume for starf teacher.
17	""	(NET CLASS) Extend student type count from 8 to 16.
18		(NET CLASS) Show students' OS version in teacher side.
19	""	(NET CLASS) Light color show the kifu list for live&death game, stone capture game, and external game.
20		(NET CLASS) Add [Adult] item in student grade field.
20		(COMMON) Hide current symbol for a placed stone.
		(NET CLASS) Kifu read error when there exists semi-colon in comment.
23		(NET CLASS) Teacher can not mute student, in case of PC's hardware.
24	""	(NET CLASS) Can not show move number of tsumego in observer app.
25	""	(NET CLASS) Default game time is 20s (30s is correct) in teacher setting window.
26		(NET CLASS) Teaher game judgement result is not saved in server.
27	""	(NET CLASS) In extension mode, exeption ocurred in net check, when some rooms are not initialized.
28	""	(NET CLASS) Student info missed in sample class for starff teacher, if none classes are assigned.
29	""	(NET CLASS) Sample class appears even in hidden option, after saving student type.
30	""	(NET CLASS) View, Shr.Review tab show in student side is changed when teacher adjust voice volume.
31		(NET CLASS) Can not start game timer, in external kifu game.
$\frac{31}{32}$		(COMMON) Can not show onboard comment, in goban design window.
		(COMMON) Can not show onboard comment, in gooan design window.
	.8 (2020/05/01)	
		(NET CLASS) Game with external kifu. (Optional)
2		(NET CLASS) Sending and receiving of http link by textual chat.
3		(NET CLASS) Delegate room teacher by student. (Save kifu as a student)
4	""	(NET CLASS) Replace student function for empoyed teacher. (Optional)
5	""	(AI GOBAN) Kifu copy and paste.
6		(COMMON) Show development donation button. (Japan only)
7	Improvement	(AI GOBAN) Katago 1.3.5 upgrade.
8		(AI GOBAN) Show rank info in [player name] beside goban.
9		(AI GOBAN, PROBLEM LIB) Show revise 10 to 8 kifus / page, for convenience of page print.
10	""	(NET CLASS) Add school grade info for student.
11	""	(NET CLASS) Expand inner rank from R50 to R100.
12	""	(NET CLASS) Sort and colored show students by kifu date.
13	""	(NET CLASS) Hide sample students info.
14	""	(NET CLASS) Merged show kifus for a student for different classroom.
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18       ***       (NFT CLASS) Creates agains in offline situs, and area kife in server. Optional)         18       ***       (NFT CLASS) Null theorytom for class risk updata and howhand.         19       ***       (COMMON) Code signature releases.         20       ***       (COMMON) Code signature releases.         21       ***       (COMMON) Code signature releases.         22       ***       (COMMON) Code signature releases.         23       ***       (COMMON) Code signature releases.         24       ***       (OME) CLASS Nucleat age exits abramally, if numek data class into is multilined.         25       ***       (OME) CLASS Nucleat age exits abramally, if numek data class risk in advators.         26       ***       (NFT CLASS) Tame adgement by teacher.         27       ***       (NFT CLASS) Tame adgement by teacher.         28       ***       (NFT CLASS) Tame adgement by teacher.         29       ***       (NFT CLASS) Tame adgement by teacher.         29       ***       (NFT CLASS) Tame adgement by adgement by teacher.         29       ***       (NFT CLASS) Tame adgement by adgement by teacher.         20       ***       (NFT CLASS) Tame adgement by adge			
117       INST CLASS Multi discription for class information and download.         118       Image: COMMONE Core rules log of walks or welds.         119       Image: COMMONE Core rules log of walks or models.         121       Image: COMMONE Core rules log of walks or models.         121       Image: COMMONE Core of signification relations.         121       Image: COMMONE Core of signification relations.         121       Image: Signification relations.         122       Image: Signification relations.         123       Image: Signification relations.         124       Image: Signification relations.         125       Image: Signification relations.         126       Image: Signification relations.         127       Image: Signification relations.         128       Image: Signification relation relations.         129       Image: Signification relation relation relations.         121       Image: Signification relation relation.	10		
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10         ***         COMMOND Cover display inprovement on galan.           21         Bug Fix         (CNT CLASS) Exception abort when awring staff teacher info without name or password.           22         ***         (CNT CLASS) Exception abort when awring staff teacher info without name or password.           23         ***         (CNT CLASS) Exception abort when awring staff teacher info without name or password.           23         ***         (CNT CLASS) Exception abort without in or difference.           24         ***         (CNT CLASS) Exception abort in the stacher.           25         ***         (CNT CLASS) Exception abort in the stacher.           26         ***         (NT CLASS) Exception abort in the stacher and stacher.           27         ***         (NT CLASS) Exception abort in the stacher and stacher.           28         ***         (NT CLASS) Exception abort in the stacher and stacher.           29         ***         (NT CLASS) Exception abort in the stacher and stacher.           10         ***         (NT CLASS) Exception abort in the stacher and stacher.           11         ***         (NT CLASS) Exception and using which without name oppoint abort in the stacher.           12         ***         (NT CLASS) Exception and using which without name oppoint abort in the stacher.           12         ***         (NT CLASS) Exception abo			· ·
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21         Hear Pix         (NFT CLASS) Exception abort when average staff teacher info without name or password.           23         ""         (OBERVER) Sometime system observer is not effective.           Vec# 7 (20200000)         [NFT CLASS) Raise hand by student.         ""           3         ""         (NFT CLASS) Raise hand by student.         ""           4         ""         (NFT CLASS) Teaching paper message to scatt check to studented) by teacher.           5         ""         (NFT CLASS) Teaching paper message to scatt check to studented) by teacher.           6         ""         (NFT CLASS) Delete mores by double right click, in share goban.           6         ""         (NFT CLASS) Bart more than the paper paper is not studented.           7         Improvement (NFT CLASS) Bart more more set more position by goban setting in share goban.           10         ""         (NFT CLASS) Bart more more set more more more more, reno none.           11         ""         (NFT CLASS) Bart more more set more more, reno none.           12         ""         (NFT CLASS) Bart more more set more more more more more more more.           13         ""         (NFT CLASS) Bart more more set paper more, none.           14         ""         (NFT CLASS) Bart more more set paper more, none.           15         ""         (NFT CLASS) Bart more more set paper more more	10		
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8         ""         [NFT CLASS] Bide student id, and disable kful detect function for employed teacher.           10         ""         [NFT CLASS] Mide student id, and disable kful detect function for employed teacher.           11         ""         [NFT CLASS] Video recording in student idde, in extension class mode.           12         ""         [NFT CLASS] Charge student's seat between rooms, even online.           14         ""         [AI GOBAN] Katago 1.3.3 and weight file upgrade.           15         ""         [COMMON] Bolarge font size for goban symbol.           16         ""         [COMMON] Bolarge font size for goban symbol.           17         ""         [COMMON] Com not above some kfun norw version is available.           18         ""         [COMMON] Com not above some kfun norw version is available.           20         ""         [AI GOBAN] Com not above some kfun normally, when are effet by other kfu editor.           21         ""         [COMMON] Com not above some kfun normally, when are effet by ather kfu editor.           22         ""         [AI COBAN] Com not above some kfun normally, when are effet by ather kfu editor.           22         ""         [AI COBAN] Com not above and above correctly, when viscue and abor are effet a semall goban game.           24         ""         [AI COBAN] Com at above bank ago in teacher's is anne function in stade abor.      <	0		
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15       ""       (AI GOBAN) Hide kift basic information display, in diagram window.         16       ""       (COMMON) Enlarge fork isize for gobna symbol.         17       ""       (COMMON) Popu version upgrade window, when new version is available.         18       ""       (COMMON) Other small proba while LZ ongine is stopped. Process is aborted when restart analysis.         19       Bug Fix       (AI GOBAN) Waight file path is not displayed.         20       ""       (COMMON) Can not show some kfux normally, which are edited by other kfu dottor.         21       ""       (NET CLASS) Share goban window can not restore to original size, when it is minimized.         23       ""       (NET CLASS) Can not show vorreetly, when variation increased in share goban.         24       ""       (NET CLASS) Can not show borne kfux normaly, when variation in share goban.         25       ""       (NET CLASS) Remove lecture goban, because there is same function in share goban.         26       Removed       (AI GOBAN) Add KataGol.3.1 engine.         21       Improvement (AI GOBAN) Add KataGol.3.1 engine.       """"""""""""""""""""""""""""""""""""	10		
16       "       (COMMON Popup version upgrade window, when new version is available.         18       "       (COMMON Popup version upgrade window, when new version is available.         20       "       (AI GORAN) Weight file path is not displayed.         21       "       (COMMON) Con not abow some kills engine is stopped. Process is aborted when restart analysis.         22       "       (COMMON) Con not show some kills mornally, which are edited by other kills editor.         22       "       (NET CLASS) Edit does not show correctly, when viaration increased in share goban.         23       "       (NET CLASS) Edit does not show correctly, when viaration increased in share goban.         24       "       (NET CLASS) Edit does not show correctly, when viaration instrare goban.         25       "       (NET CLASS) Edit does not show correctly, when viaration instrare goban.         26       Removed       (NET CLASS) Edit does not show beause there is same function in share goban.         26       Removed       (NET CLASS) Edit does not strengthened in share goban.         27       "       (NET CLASS) Edit does not strengthened in share goban.         28       (WET CLASS) Function strengthened in share goban.       "         29       "       (AI GORAN) Add KataGol 3.1 engine.       "         19       Improvement [AI GORAN) Popup shows the diagram, when doub	14		(AL CORAN) Hide kifu basic information display in diagram window
17       "       [COMMON DO Other small revisions.         18       "       (COMMON Other small revisions.         19       Bug Fix       (AI GOBAN) Change to small goban while LZ engine is stopped. Process is aborted when restart analysis.         21       "       (COMMON) Can not show some kifus normally, which are edited by other kifu editor.         22       "       (NFT CLASS) Kifu does not show correctly, when viaruation increased in share goban.         23       "       (NFT CLASS) Kifu does not show correctly, when viaruation increased in share goban.         24       "       (NFT CLASS) Remove lecture goban, because there is same function in share goban.         24       "       (NFT CLASS) Remove lecture goban, because there is same function in share goban.         26       Removed       (NFT CLASS) Remove lecture goban, because there is same function in share goban.         21       Improvement (AI GOBAN) Auto start the corresponded engine by goban size of kifu.         3       "       (NET CLASS) Remove small bugs.         Ver8.5 (2019/12/5)       [Improvement (AI GOBAN) Auto start the corresponded ongine by goban size of kifu.         3       "       (COMMON) Charge the revion small goban (Goban color.         5       Bug Fix       (COMMON) Charge the revion small size, opaning kifu which it in ant supported.         4       "       (COMMON) Charge the revion sinf			
18       ""       (COMMON) Other small revisions.         19       Bug Fix       (AI GOBAN) Weight flip path is not displayed.         20       "*       (AI GOBAN) Chango to small goban while LZ engine is stopped. Process is aborted when restart analysis.         21       "*       (COMMON) Can not show some kittik normally, which are dited by other kifu editor.         22       "*       (NFT CLASS) Kifu does not show correctly, when visuration increased in share goban.         23       "*       (NFT CLASS) Can not show blink go in teacher's icon goban.         24       "       (NFT CLASS) Remove lecture goban, because there is same function in share goban.         25       "       (NFT CLASS) Remove lecture goban, because there is same function in share goban.         26       Removed       (NET CLASS) Teuricon strengthened in share goban.         27       "       (NET CLASS) Function strengthened in share goban.         28       (COMMON) Change the initializing Goban color.       **         3       "       (COMMON) Fix some small bugs.         4       "*       (AI GOBAN) Royae heror message, opening kifu which it is not supported.         4       "*       (AI GOBAN) Popup shows the diagram, when double right click the symbol of next move.         2       "*       (AI GOBAN) Royae heror message, opening kifu which it is not supported.	_		
19         Bug Fix         CAI GOBANI Weight file path is not displayed.           20         "         CAI GOBANI Change to small goban while LZ engine is stopped. Process is aborted when restart analysis.           21         "         COMMONI Can not show some kins normally, which are edited by other kint editor.           22         "         (NET CLASS) Kin does not show correctly, when viarration increased in share goban.           23         "         (NET CLASS) Can not show oblink go in teacher's icon goban.           24         "         (NET CLASS) Can not show oblink go in teacher's icon goban.           24         "         (NET CLASS) Ref mere appears in teacher icon goban, when student is replaced after a small goban game.           26         Removed         (NET CLASS) Ref mare appears in teacher icon goban.           27         "         (NET CLASS) Ref mare appears in teacher icon goban.           28         "         (NET CLASS) Ref mare appears in teacher icon goban.           29         "         (NET CLASS) Ref mare appears in teacher icon goban size of kifu.           30         "         (NET CLASS) Ref mare appears in teacher appears in teacher appears in teacher app. (Def appears)           31         Improvement (AI GOBAN) Ato start the corresponded engine hy goban size of kifu.         "           31         Improvement (AI GOBAN) Popup shows the diagram, when double right click the symbol			
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24       ""       (NET CLASS) Can not show blink go in teacher's icon goban.         25       ""       (NET CLASS) Red frame appears in teacher icon goban, when student is replaced after a small goban game.         26       Removed       (NET CLASS) Remove lecture goban, because there is same function in share goban.         7       "       (NET CLASS) Remove lecture goban, because there is same function in share goban.         7       "       (NET CLASS) Punction strengthened in share goban.         8       "       (COMMON) Auto start the corresponded engine by goban size of kifu.         9       "       (COMMON) Change the initializing Goban color.         7       Bug Fix       (COMMON) Pix some small bugs.         Ver8.5 (2019/125)       [Improvement (AI GOBAN) Popup shows the diagram, when double right click the symbol of next move.         1       "       (AI GOBAN) Revise the error message, opening kifu which it is not supported.         4       "       (AI GOBAN) Can not open store thromoration in video recording in teacher app. (Optional)         6       Bug Fix       (AI GOBAN) Can not open stage analysis kifu.         7       "       (COMMON) Can not open stage analysis kifu.         8       ""       (COMMON) Can not open stage analysis is for goban size 5,7,9,11,13,15,17.         9       ""       (COMMON) In 7 lines goban, when ous band stage ranapshot or G			
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26       Bemoved       [NFT CLASS] Remove lecture goban, because there is same function in share goban.         Ver8.6 (2020/09)       [I] New Feature       [AI GOBAN) Add KataGol.3.1 engine,         1       New Feature       [AI GOBAN] Auto start the corresponded engine by goban size of kifu.         3       ""       (INET CLASS) Function strengthmeed in share goban.         4       ""       (COMMON) Change the initializing Goban color.         5       Bug Fix       (COMMON) Fix some small bugs.         Ver8.5 (2019/12/5)       [I] Improvement (AI GOBAN) Popup shows the diagram, when double right click the symbol of next move.         2       ""       (AI GOBAN) Revise the error message, opening kifu which it is not supported.         4       ""       (AI GOBAN) Revise the error message, opening kifu which it is not supported.         5       ""       (AI GOBAN) Can not open stone handicap kifu in AI analysis cocasionally, which is created by other app.         7       ""       (AI GOBAN) Can not close the splash window, when AI strutup failed.         8       ""       (COMMON) Captured stones remain on board, in splitted kifu print.         10       ""       (COMMON) Captured stones remain on board, in splitted kifu print.         10       ""       (COMMON) Captured stones remain on board stones are many, some are printed out of the paper.         Ver8.4 (2019/10/3)       I<	_		
Ver8.6 (2020/02/09)           1         New Feature (AI GOBAN) Add KataGol.3.1 engine.           2         Improvement (AI GOBAN) Adto start the corresponded engine by goban size of kifu.           3         ""         (NET CLASS) Function strengthened in share goban.           4         ""         (COMMON) Change the initializing Goban color.           5         Bug Fix         (COMMON) Fix some small bugs.           Ver8.5 (2019/12/5)         (I GOBAN) Auto open current kifu when AI open button is clicked.           3         ""         (AI GOBAN) Auto open current kifu when AI open button is clicked.           4         ""         (AI GOBAN) Frame show the area, in gif creation of area output.           5         ""         (AI GOBAN) Can not open stone handicap kifu in AI analysis occasionally, which is created by other app.           7         ""         (AI GOBAN) Can not close the splash window, when AI startup failed.           8         ""         (COMMON) Cantor open stone handicap kifu in AI analysis occasionally, which is created by other app.           9         ""         (COMMON) Cantor open stone handicap kifu in AI analysis occasionally.           9         ""         (COMMON) Cantor open stone bandicap kifu in AI analysis occasionally.           9         ""         (COMMON) Cantor open stone bandicap kifu           1         New Feature (AI GOBAN) Auto analy		Removed	
1       New Feature       (AI GOBAN) Add KataGo1.3.1 engine,         2       Improvement       (AI GOBAN) Auto statu the corresponded engine by goban size of kifu.         3       ""       (NET CLASS) Function strengthened in share goban.         4       ""       (COMMON) Change the initializing Goban color.         5       Bug Fix       (COMMON) Tix some small bugs.         Ver8.5 (2019/12/5)       [Miprovement]       (AI GOBAN) Rovise the error message, opening kifu which it is not supported.         4       ""       (AI GOBAN) Revise the error message, opening kifu which it is not supported.         4       ""       (AI GOBAN) Can ont open stome handicap kifu in AI analysis occasionally, which is created by other app.         5       ""       (AI GOBAN) Can not open stome handicap kifu in AI analysis occasionally, which is created by other app.         7       ""       (AI GOBAN) Can not open Katago analysis kifu.         9       ""       (COMMON) Captured stones remain on board, in splitted kifu print.         10       ""       (COMMON) In Tines goban, When out board stones are many, some are printed out of the paper.         Ver8.4 (2019/10/3)       1       New Feature       (AI GOBAN) Auto analysis by time or by playouts.         3       ""       (COMMON) Goban area selection by right mouse drag for snapshot or GIF output.         1       New Feature <td></td> <td></td> <td></td>			
2       Improvement       (AI GOBAN) Auto start the corresponded engine by goban size of kifu.         3       ""       (NET CLASS) Function strengthened in share goban.         4       ""       (COMMON) Change the initializing Goban.         5       Bug Fix       (COMMON) Fix some small bugs.         Ver8.5 (2019/15)       "         1       Improvement       (AI GOBAN) Popup shows the diagram, when double right click the symbol of next move.         2       ""       (AI GOBAN) Auto open current kifu when AI open button is clicked.         3       ""       (AI GOBAN) Frame show the area, in gif creation of area output.         5       ""       (AI GOBAN) Can not open stone handicap kifu in AI analysis occasionally, which is created by other app.         6       Bug Fix       (AI GOBAN) Can not open statago analysis kifu.         9       ""       (COMMON) Captured stones remain on board, in splitted kifu print.         10       ""       (COMMON) Captured stones open asize 5,7,9,11,13,15,17.         2       ""       (AI GOBAN) Al game or analysis for goban size 5,7,9,11,13,15,17.         3       ""       (COMMON) Goban area selection by right mouse drag for snapshot or GIF output.         4       Improvement (AI GOBAN) Auto analysis by time or by playouts.       ""         3       ""       (COMMON) Goban area selection by righ	VCIO	.0 (2020/02/00)	
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4       ""       (COMMON) Change the initializing Goban color.         5       Bug Fix       (COMMON) Fix some small bugs.         Ver8.5 (2019/12/5)       1       Improvement (AI GOBAN) Popup shows the diagram, when double right click the symbol of next move.         2       ""       (AI GOBAN) Auto open current kiffw when AI open button is clicked.         3       ""       (AI GOBAN) Frame show the area, in gif creation of area output.         5       !""       (AI GOBAN) Can not open stone handicap kiffu in AI analysis occasionally, which is created by other app.         7       !""       (AI GOBAN) Can not open staga on baddicap kiffu in AI analysis occasionally, which is created by other app.         7       !""       (COMMON) Can not open staga onalysis kiffu.         9       ""       (COMMON) Can not open staga onalysis kiffu.         9       ""       (COMMON) In 7 lines goban, When out board stones are many, some are printed out of the paper.         Ver8.4 (2019/103)       1       New Feature       (AI GOBAN) Auto analysis by time or by playouts.         1       ""       (COMMON) In 7 lines goban coordinate by setting option for sometimes of goban snapshot.         4       Improvement (AI GOBAN) Auto analysis by time or by playouts.         3       ""       (COMMON) Hide goban coordinate by setting option for sometimes of goban snapshot.         4       Impro			
5       Bug Fix       (COMMON) Fix some small bugs.         Ver8.5 (2019/12/5)       Improvement (AI GOBAN) Popup shows the diagram, when double right click the symbol of next move.         2       ""       (AI GOBAN) Auto open current kifu when AI open hutton is clicked.         3       ""       (AI GOBAN) Revise the error message, opening kifu which it is not supported.         4       ""       (AI GOBAN) Frame show the area, in gif creation of area output.         5       ""       (AI GOBAN) Can not open stome handicap kifu in AI analysis occasionally, which is created by other app.         7       ""       (AI GOBAN) Can not open statago analysis kifu.         9       ""       (COMMON) Can not open statago analysis kifu.         9       ""       (COMMON) Can not open statago analysis kifu.         9       ""       (COMMON) In 7 lines goban, When out board stones are many, some are printed out of the paper.         Ver8.4 (2019/10/3)       1       New Feature       (AI GOBAN) Auto analysis for goban size 5,7,9,11,13,15,17.         1       ""       (COMMON) Hide goban coordinate by setting option for sometimes of goban snapshot.         6       ""       (COMMON) Hide goban coordinate by setting option for sometimes of goban snapshot.         6       ""       (COMMON) Hide goban coordinate by setting option.         7       Bug Fix       (AI GOBAN) Applicati	2	Improvement	(AI GOBAN) Auto start the corresponded engine by goban size of kifu.
1       Improvement       (AI GOBAN) Popup shows the diagram, when double right click the symbol of next move.         2       ""       (AI GOBAN) Auto open current kifu when AI open button is clicked.         3       ""       (AI GOBAN) Frame show the area, in gif creation of area output.         4       ""       (AI GOBAN) Frame show the area, in gif creation of area output.         5       ""       (AI GOBAN) Can not open stone handicap kifu in AI analysis occasionally, which is created by other app.         7       ""       (AI GOBAN) Can not open Katago analysis kifu.         9       ""       (COMMON) Can not open Katago analysis kifu.         9       ""       (COMMON) Can not open Katago analysis kifu.         9       ""       (COMMON) Can not open Katago analysis kifu.         9       ""       (COMMON) In 7 lines goban, When out board stones are many, some are printed out of the paper.         Ver8.4 (2019/10/3)       (AI GOBAN) Auto analysis for goban size 5,7,9,11,13,15,17.         2       ""       (AI GOBAN) Auto analysis by time or by playouts.         3       ""       (COMMON) Goban area selection by right mouse drag for snapshot or GIF output.         4       Improvement (AI GOBAN) Support multi-user operation.       5         5       ""       (COMMON) Improve items display in some windows.         7       Bug Fix	$\frac{2}{3}$	Improvement	(AI GOBAN) Auto start the corresponded engine by goban size of kifu. (NET CLASS) Function strengthened in share goban.
1       Improvement       (AI GOBAN) Popup shows the diagram, when double right click the symbol of next move.         2       ""       (AI GOBAN) Auto open current kifu when AI open button is clicked.         3       ""       (AI GOBAN) Frame show the area, in gif creation of area output.         4       ""       (AI GOBAN) Frame show the area, in gif creation of area output.         5       ""       (AI GOBAN) Can not open stone handicap kifu in AI analysis occasionally, which is created by other app.         7       ""       (AI GOBAN) Can not open Katago analysis kifu.         9       ""       (COMMON) Can not open Katago analysis kifu.         9       ""       (COMMON) Can not open Katago analysis kifu.         9       ""       (COMMON) Can not open Katago analysis kifu.         9       ""       (COMMON) In 7 lines goban, When out board stones are many, some are printed out of the paper.         Ver8.4 (2019/10/3)       (AI GOBAN) Auto analysis for goban size 5,7,9,11,13,15,17.         2       ""       (AI GOBAN) Auto analysis by time or by playouts.         3       ""       (COMMON) Goban area selection by right mouse drag for snapshot or GIF output.         4       Improvement (AI GOBAN) Support multi-user operation.       5         5       ""       (COMMON) Improve items display in some windows.         7       Bug Fix	$\begin{array}{c} 2\\ 3\\ 4 \end{array}$	Improvement "" ""	(AI GOBAN) Auto start the corresponded engine by goban size of kifu. (NET CLASS) Function strengthened in share goban. (COMMON) Change the initializing Goban color.
2       ""       (AI GOBAN) Auto open current kifu when AI open button is clicked.         3       ""       (AI GOBAN) Revise the error message, opening kifu which it is not supported.         4       ""       (AI GOBAN) Frame show the area, in gif creation of area output.         5       ""       (AI GOBAN) Can not open stone handicap kifu in AI analysis occasionally, which is created by other app.         6       Bug Fix       (AI GOBAN) Can not open Katago analysis kifu.         9       ""       (COMMON) Can not open Katago analysis kifu.         9       ""       (COMMON) Can not open Katago analysis kifu.         9       ""       (COMMON) Can not open Katago analysis kifu.         10       ""       (COMMON) In 7 lines goban, When out board stones are many, some are printed out of the paper.         Ver8.4 (2019/10/3)       [COMMON) In 7 lines goban size 5,7,9,11,13,15,17.         1       New Feature       (AI GOBAN) Auto analysis by time or by playouts.         3       ""       (COMMON) Goban area selection by right mouse drag for snapshot or GIF output.         4       Improvement (AI GOBAN) August multi-user operation.       []]         5       ""       (COMMON) Inprove items display in some windows.         7       Bug Fix       (AI GOBAN) Application hanged in AI stopping. (rare case)         8       ""       (AI GOB		Improvement "" "" Bug Fix	(AI GOBAN) Auto start the corresponded engine by goban size of kifu. (NET CLASS) Function strengthened in share goban. (COMMON) Change the initializing Goban color.
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Von0	.2 (2019/08/1)	
		AI Goban (AI game&analysis driven by Leela Zero)
2		Basic kifu information edit, by right double click goban.
		Teacher can confirm all student's ID even in a lesson.
4		Show students' location in teacher main window.
5		Extend maximum length of move comment from $512$ bytes $\rightarrow 1024$ bytes.
6	"" P	Several items' showing improvements.
	Bug Fix Removed	Fix kifu read exception when using OT tag. Reverse order show of move branches.
	.1 (2019/04/25)	Reverse order snow of move branches.
		Add setting of byo-yomi count (0-10), for a game.
2	""	Add setting of byo your count (o 10), for a game when use NHK time method.
3		Add setting of mouse hotspot size in recorded vedio.
4		Add [pre], [next] button in problem view window.
5	""	Adjust layout of some windows and text expressions.
6	""	Add confirm dialog when decline a student in teacher app.
7 8	Bug Fix	Switch to show or hide local camera.
9	Bug FIX	Video flashing problem when video is reset during class information tab displayed. Exception occurred in game restart, when reserved time is above 1 hour.
	Removed	2 setting itmes of [continue game when timeout], [vocal request for student] in teacher app.
11	""	Setting item of [recording audio device] in both teacher app and student app.
Ver8	.0 (2019/03/21)	
		NHK time method, and showing of remain thinking count show.
2		Multi language voice of byoyomi and question answer.
	Improvement	Delimit video size of self, and omit window switch of self video window and textual chat window.
4 5		Move video start/stop button possition to righ bottom in main window. Big font show remain time and captured stones' count.
5 6		(Optional) Mouse hotspot of video recording.
7		Prohibit mouse right click popup of comment edit window while video recording.
8	""	(Optional) Show step number in GIF output.
9		Show online status by student name back color, in teacher main and observer main window.
10		(Optional) Comment input assistant window in problem creattion.
	Bug Fix	Video sound going bad in video recording when use stone sound for some PC. Use stone sound setting.
12 13		Time clock stopped in sometime in student app. Stone sound not played, when mouse clicked the next step position.
	.9 (2019/02/15)	Stone sound not played, when mouse cheked the next step position.
		Blind game (for single or both).
2	""	Instruction game, lecture and kifu review functions in convention mode.
3		Goban size of 15,17.
4	""	Page print of problem libray or kifu browser.
5		Special foler show in kifu browser.
6 7	Improvement	Auto update room list info in teacher login window.
8		Control button show of setting, and setting items of goban tool according to caller. User settings of goban size for problem-new window.
9		User settings of correct answer symbol for kifu browser.
10	""	Revisons of items' english notation of login windows for teacher, student, observer.
11		Always show problem mode checkbox in kifu browser.
12		Always print kifu simbols.
13	""	Auto maximize video for single student class.
14 15		Prohibit goban comment show in kifu review or lecture window. Always show kick out column in teacher main window.
15	""	Goban style setting for congress mode, and parent window update.
	Bug Fix	Point calculate button is not hidden in observer app and lecture view of student app.
18		Save failed when no class is assigned to a teacher, in sub-room edit window.
19	""	White first checkbox is not initialized in goban initialization.
20		Can not place a stone in problem edit window when it starts up.
21	""	Comment and comment background mistakes, in goban image print.
22 23	Removed	Book pint with answer, if answer is not input, problem kifu is printed as answer. Room select combbox in student or observer login window.
23 24	""	Observer id. (Anonymous login only)
25	""	Observer count settings.
26	""	Folder movement functions in kifu brower.
	.8 (2019/01/04)	
		Management of symbol tags in kifu. (Edit, Show, Print, GIF output, Goban Setting)
2	""	Auto detection of kifu charset.
3		Auto change mouse icon in symbol edit mode. Management of hint setting in problem library.
$\frac{4}{5}$	Improvement	Twice input and check for mail address in teacher id registry window.
6	""	Use file name as problem name, when problem name is not set.
7	""	Auto load sample kifu in goban customize window.
8	""	Open problem with goban tool in try mode.
9	""	Hide shape buttons in point calculate mode.
10	"" D Ei	Switch to stone mode, by right click while in symbol edit mode.
$\frac{11}{12}$	Bug Fix	File extension name is saved in server when execute problem's batch upload. Tree node icon is not correct in library open window.
12		The note from is not correct in indrary open willdow.

10		
13		Question name does not updated when new question file opened in question edit window.
14		Can not click stone in point calculate window , when shifted from arrow, line draw mode.
	.7 (2018/12/10)	
	New Feature	(GobanTool) Kifu explorer, for local problem library making and for kifu editing & viewing. (GobanTool) GIF Generator for kifu review mode.
23		(Problem Library) Self review window.
4		(Problem Library) Batch problems upload for authorized users.
5		(Problem Library) Delete whole library function for super user.
6	""	Goban back color template, and background image selection.
7	""	File selection list in lecture window.
8	""	Kifu open with goban tool from teacher app before enter class.
9	""	Donation functions.
	Improvement	Auto installer download check for version upgrading.
11		Add file name field in problem edit window.
12 13		Cover page output option for book print. Problem library public open only by super user.
		Auto create a super observer when pre-set super observer get failed.
15	""	Auto adjust image size according to goban size, of game/problem over.
16	""	Port setting in server & hidden of IP display
17		Net status improvement.
18	""	Change default GIF play speed. 1sec -> 1.5 sec.
10		Frame emphasized show for current move in GIF.
	Bug Fix	Total page display error in book print.
21 22		Goban back color is auto restored after version upgrade. Inner rank R33 is duplicated.
22		In Win10, Mouse position errors in recording video when DPI is not 100%.
		Exeption occurred when changing item of destination char code, in code convertion window.
	Removed	(Problem Library) Answer view window.
26	""	(Problem Library) Remove problem new, problem clear menu items in folder tree.
27		(GobanTool) Replay times setting of GIF.
Ver7	.6 (2018/11/02)	
		(Optional) Show teacher and student name in video by setting.
2		(Optional) Auto continue game when byoyomi timeout by setting.
3 4		Add shortcut in program menu, to reset app enviroment. Manual download kifu and auto download kifu for recent 20 pieces.
		Speed up kifu browse window show when lots of kifu are loaded.
6	""	Speed up student replace window show when lots of students are loaded.
7	""	Cut the influence in net status when save kifu to server.
8		Revised the game information show. (Jyosen, Gyaku Komi etc.)
9	""	Color show game win or lose, in kifu browse window.
10 11		Change byoyomi, game over, question answer ok sound. Output log into specified LOG folder.
12		(Problem Library) Forbidden move add when result (OK/NG) is set, in question edit window.
13		(Problem Library) Add some fixed sentences, in question edit window.
14	""	Always use camera in convention mode.
	Bug Fix	Net disconnected & byoyomi display stopped occasionally.
10		Clock sound 2 times when byoyomi is started.
17		Can not show circle shape in P2P review of observation app.
10		Mouse position does not correctly output in recording, in win10 and font size is not set to 100%. Game over image does not closed immediate when mouse clicking.
19 20		The latest move of himself is not updated in student app.
	""	One side of game player's kifu is not uploaded to server when playing game between students.
22	""	All windows with grid component, grid line is deleted when pressing delete key.
23	Removed	Mail contact functions in teacher app.
	.5 (2018/10/14)	
		Save game kifu in server for mobile usage.
- 24		Manual adjust function for student browse sequence.
3		(Problem Library) Super user operation functions.
4 5		Add 11-line goban. Observation function of lecture.
		Show game setting info and player's rank below goban. Show player's rank in kifu browser.
7		Show game setting into and player's rank below goball. Show player's rank in kild browser. Save directory after kifu open or save operation.
8		Fixed sentence selection for chat, Adjustment for minimum with of chat window.
9	""	Fixed sentence selection for kifu title.
10		Fobidden manual save kifu to game kifu folder.
11		(Problem Library) Question open by folder.
14		(Problem Library) Fixed sentence selection for question name in question edit window.
13 14		(Problem Library) Simultaneously show comment window when edit a question. (Problem Library) Open default 13 line goban when create a question.
		(Problem Library) Red show for those state settled move in question edit window.
	""	Seperated class info management for teacher, sub-teacher, IP mode.
16		•
10	""	Move pattern kifu of life&death game or stone capture game to question server.
10 17 18	Bug Fix	Tengen star color does not grayout in goban image print, when use 9-line goban.
10 17 18	Bug Fix	

21	""	Image save folder setting.
22	""	Change student, rank edit, kifu delete function when using sub-teacher ID.
	.4 (2018/09/06)	
		(Problem Library) Tree structure and maintenance functions.
2		(Problem Library) Hint & comment input assistance. Auto exit system when teahcer app is idle for a long time.
4		(GobanTool) Diagram shortcut show.
5	Improvement	(Problem Library) Prohibit comment show on goban, in Edit & Answer Reference & Test windows.
6		(Problem Library) Show goban in big mode in Answer Reference Window.
7	""	(Problem Library) Remove goban print and book print in Answer & Answer Reference windows.
8		(Problem Library) Remove local file-saving. (Problem Library) Check placed stones is normal.
10		Multi-language account activation, and show result in big font.
11	""	Return to play mode when clear all symbol button is pressed.
12	""	Show student id in teacher app, in convention mode.
$\frac{13}{14}$	""	Control student's recording function under teacher's setting.
$\frac{14}{15}$		Group setting items of goban tool & teacher app. Display all local Ips in teacher app when run in IP mode.
-	Bug Fix	Remain time of time limited game, return back in teacher app.
17	""	Can not open kifu that's edited by Sabaki.
18	""	Revise submit method and data structure in Webservice.
19		Student type name shows incorrect in sub class.
	.3 (2018/07/19) New Feature	Book Print, Problem Print & Answer Print, Goban Image Print.
2	new reature	(Optional) Big show players beside goban.
3		(Optional) Student's attitude alarm.
4	""	(Optional) Show comments of sub-branches.
5	""	(Optional) Reversed sequence showing of sub-branches.
6 7		(GIF Generator) Default output style and user defined output style. Color selection for line, arrow, symbol show and backspace.
8		Color selection for line, arrow, symbol show and backspace. Cut & paste of goban capture.
	Improvement	(Optional) Pre-setting of video times, and count down showing.
10		Cope with bad net conditions.
11		Showing kifu file name in title of goban window.
12 13	""	Save product name and version, and charset into kifu file. Showing EV as candidate of game name GN.
$13 \\ 14$		(GIF Generator) Remove outer frame lines.
15		Clear background goban lines of symbols.
16		Set default backgound color of goban, as same as GoWrite.
17		Dedault show next move position in goban.
18 19	""	Multi-language showing for kifu basic information. (e.g. game setting, game result etc.) (Optional) On/Off setting of sound play when game over.
20		Show prompt message when server info getting failed.
21		Revision for some text showing.
	Bug Fix	Parser bug for branches when kifu file is read.
20		Symbol draw toolbar is shown in answer view window of Question App.
24 25		Game kifu displays differently between players when net unstable. Lack check for those kifu without placed stones, in question make&test, question check&test window.
26		None response or auto answer time lag occured in question app.
	Removed	Video recording in student App.
28	""	Alphabet symbol add of P2P function in student App.
29		Background image setting for goban.
30 Vor7	.2 (2018/06/01)	Confirmation windows when delete moves.
ver7		(GIF Generator) Batch auto generator.
2	""	Add shapes or arrows show in goban.
3	""	(GobanTool) Video lectural meterial making functions, with advertisement text show and camera show.
4	"" T	(GobanTool) Show kifu comment on goban. (optional)
5	Improvement	Start melody and show image, when game over in student app.
6 7		(GIF Generator) Output all variations in one GIF file. (optional) (GIF Generator) Use mouse drag in setting GIF output area.
8		(GIF Generator) Settings of subtitle font size, back color, forecolor, or cordinate output option.
9	""	Arrange comment, shape, draw line color as same to last move symbol.
10	""	Add buttons of alternative move mode & delete current move.
11	""	Arrange goban style of goban setting, kifu reference as same to goban tool.
12 13		Correct navigate button tooltip text in Japanese. Add tooltips show for bottom image buttons in goban tool and teacher main window.
14	""	Save language code in server DB, when apply a teacher id.
15	""	Popup message box when auto upgrade failed.
10	== D	Retrieve file extension name of EXE, of auto upgrade booter.
	Bug Fix	Checkbox not been shown, when open a none answer question under stone add mode.
18 19		Old kifu title been shown, after initialize goban and edit a move comment. Hand draw line goes out of goban, when student initialized a goban to a smaller size in p2p review.
$\frac{19}{20}$		Unexpected character show in goban, after alphabet reached Z, in p2p review.
	.1 (2018/05/10)	

	New Feature	(GIF Generator) Description setting.
2		Customize save folder for video or image files.
3	""	Video recording function in teacher app.
4	""	Sub-teacher management in concerning class information data protection.
		Adjust mouse operation method same to Multigo, when in add-stone mode.
6	""	Adjust byo-yomi display method same to well using internet go platform.
7		(GIF Generator) WYSIWYG output for multi-divergences kifu.
8		(GIF Generator) Revision of output area setting window.
9	""	Auto showing current file name when kifu save button is clicked.
10		Revision of upload / download function of class information
11		Auto upgrading functions in installer.
12	""	Always show stone add buttons in goban tool or question make window.
13		Show kifu list in desc order of file update datetime.
	Bug Fix	In lecture window, Number clear button do not work, after stones are added.
15		Stone move sound is not disabled when student's P2P function is forbiden.
	.0 (2018/04/19)	
		Auto kifu GIF generator.
2		(Optional) Kick off online student function in teacher app for those with bad manner or bad attitudes.
3		(Optional) Switch of P2P review function for a certain student in teacher app.
4		(Optional) Vocal request confirmation in teacher app.
5		Add kifu save format as a diagram.
6		Show list of diagram kifu and common kifu in student app.
7		Automaticaly switch to Chinese server for those login from China mainland.
8		Add minimize button in startup main menu window.
9	Improvement	Restrict ip login mode in LAN lessons.
10	""	Upgrade audio/video components to cope with various of display settings.
11		Release CPU consumption of audio/video transfer, to improve voice quality.
12	""	Add default save folder for GIFs or screen capture graphes.
13		Revision some of language expressions in some windows.
14	""	Add tooltips for buttons of Print Kifu & Save Image in question test window.
15	""	Disable kifu comment edit, when in auto kifu play.
16	Bug Fix	Point Calc button disappeared occasionally in instruction game play window of teacher app.
17	""	Class inforamtion download failed when using oversea servers.
18	""	Video area can not be screen captured.
	.9 (2018/03/17)	
		Uploading / downloading function of class information.
2	""	Kifu preview function before lesson in teacher app.
3		Room capacity setting, when use congress mode.
		Restart game even it's normally ended
5	""	Adjusting game time anytime for a time set game.
6		Auto stop game clock when net disconnected by option.
7		Video recording components upgrade.
8		
9		Audo generate system observer when get system observer failed.
		Remove count of placed stones before output move count to game result.
10		Adjusting tab button height in all windows.
11		
14		In congress mode, update window show by current setting when room switched.
13		Auto game over by presetted captured stones' count in stone capture game.
14	""	Auto game over by presetted captured stones' count in stone capture game. Show or hide video area by switch.
		Auto game over by presetted captured stones' count in stone capture game.         Show or hide video area by switch.         Interactive kifu review window remains in desktop even it is closed in teacher app.
15	"" Bug Fix ""	Auto game over by presetted captured stones' count in stone capture game.         Show or hide video area by switch.         Interactive kifu review window remains in desktop even it is closed in teacher app.         Kifu history is not updated when game is going in student app.
15 16	""	Auto game over by presetted captured stones' count in stone capture game.         Show or hide video area by switch.         Interactive kifu review window remains in desktop even it is closed in teacher app.         Kifu history is not updated when game is going in student app.         Auto version upgrade failed for some users.
$\begin{array}{r} 15\\ 16\\ 17\end{array}$	"" Bug Fix "" ""	Auto game over by presetted captured stones' count in stone capture game.         Show or hide video area by switch.         Interactive kifu review window remains in desktop even it is closed in teacher app.         Kifu history is not updated when game is going in student app.
15 16 17 Ver6	"" Bug Fix "" "" .8 (2018/03/01)	Auto game over by presetted captured stones' count in stone capture game. Show or hide video area by switch. Interactive kifu review window remains in desktop even it is closed in teacher app. Kifu history is not updated when game is going in student app. Auto version upgrade failed for some users. Move is outputed to kifu file while is stopping in teacher app.
15 16 17 Ver6 1	"" Bug Fix "" "" .8 (2018/03/01) New Feature	Auto game over by presetted captured stones' count in stone capture game. Show or hide video area by switch. Interactive kifu review window remains in desktop even it is closed in teacher app. Kifu history is not updated when game is going in student app. Auto version upgrade failed for some users. Move is outputed to kifu file while is stopping in teacher app. Add draw pen function in teacher side of lecture, p2p review windows.
15 16 17 Ver6 1 2	"" Bug Fix "" "" .8 (2018/03/01) New Feature Improvement	Auto game over by presetted captured stones' count in stone capture game. Show or hide video area by switch. Interactive kifu review window remains in desktop even it is closed in teacher app. Kifu history is not updated when game is going in student app. Auto version upgrade failed for some users. Move is outputed to kifu file while is stopping in teacher app. Add draw pen function in teacher side of lecture, p2p review windows. Batch donation and batch donation cancel.
15 16 17 Ver6 1 2 3	"" Bug Fix "" "" .8 (2018/03/01) New Feature Improvement ""	Auto game over by presetted captured stones' count in stone capture game. Show or hide video area by switch. Interactive kifu review window remains in desktop even it is closed in teacher app. Kifu history is not updated when game is going in student app. Auto version upgrade failed for some users. Move is outputed to kifu file while is stopping in teacher app. Add draw pen function in teacher side of lecture, p2p review windows. Batch donation and batch donation cancel. Randomly select a move for auto reply in exercise question.
$     \begin{array}{r}       15 \\       16 \\       17 \\       Ver6 \\       1 \\       2 \\       3 \\       4     \end{array} $	"" Bug Fix "" "" .8 (2018/03/01) New Feature Improvement ""	Auto game over by presetted captured stones' count in stone capture game. Show or hide video area by switch. Interactive kifu review window remains in desktop even it is closed in teacher app. Kifu history is not updated when game is going in student app. Auto version upgrade failed for some users. Move is outputed to kifu file while is stopping in teacher app. Add draw pen function in teacher side of lecture, p2p review windows. Batch donation and batch donation cancel. Randomly select a move for auto reply in exercise question. Update teacher properties using XML setting files.
$     \begin{array}{r}       15 \\       16 \\       17 \\       Ver6 \\       1 \\       2 \\       3 \\       4 \\       5 \\       \end{array} $	"" Bug Fix "" "" "" " 8 (2018/03/01) New Feature Improvement "" "" ""	Auto game over by presetted captured stones' count in stone capture game. Show or hide video area by switch. Interactive kifu review window remains in desktop even it is closed in teacher app. Kifu history is not updated when game is going in student app. Auto version upgrade failed for some users. Move is outputed to kifu file while is stopping in teacher app. Add draw pen function in teacher side of lecture, p2p review windows. Batch donation and batch donation cancel. Randomly select a move for auto reply in exercise question. Update teacher properties using XML setting files. Partial selection in batch question donation and Kifu code converter.
$     \begin{array}{r}       15 \\       16 \\       17 \\       Ver6 \\       1 \\       2 \\       3 \\       4 \\       5 \\       6 \\       \end{array} $	"" Bug Fix "" "" "" " 8 (2018/03/01) New Feature Improvement "" "" "" "" "" ""	Auto game over by presetted captured stones' count in stone capture game. Show or hide video area by switch. Interactive kifu review window remains in desktop even it is closed in teacher app. Kifu history is not updated when game is going in student app. Auto version upgrade failed for some users. Move is outputed to kifu file while is stopping in teacher app. Add draw pen function in teacher side of lecture, p2p review windows. Batch donation and batch donation cancel. Randomly select a move for auto reply in exercise question. Update teacher properties using XML setting files. Partial selection in batch question donation and Kifu code converter. Hidden question id and update time stamp.
$     \begin{array}{r}       15 \\       16 \\       17 \\       Ver6 \\       1 \\       2 \\       3 \\       4 \\       5 \\       6 \\       7 \\       \end{array} $	"" Bug Fix "" "" "" 8 (2018/03/01) New Feature Improvement "" "" "" "" "" "" "" "" "" ""	Auto game over by presetted captured stones' count in stone capture game. Show or hide video area by switch. Interactive kifu review window remains in desktop even it is closed in teacher app. Kifu history is not updated when game is going in student app. Auto version upgrade failed for some users. Move is outputed to kifu file while is stopping in teacher app. Add draw pen function in teacher side of lecture, p2p review windows. Batch donation and batch donation cancel. Randomly select a move for auto reply in exercise question. Update teacher properties using XML setting files. Partial selection in batch question donation and Kifu code converter. Hidden question id and update time stamp. Show icon goban in question's questionaire window.
$     \begin{array}{r}       15 \\       16 \\       17 \\       \hline       12 \\       3 \\       4 \\       5 \\       6 \\       7 \\       8     \end{array} $	"" Bug Fix "" "" "" " 8 (2018/03/01) New Feature Improvement "" "" "" "" "" "" "" "" "" "" "" "" ""	Auto game over by presetted captured stones' count in stone capture game. Show or hide video area by switch. Interactive kifu review window remains in desktop even it is closed in teacher app. Kifu history is not updated when game is going in student app. Auto version upgrade failed for some users. Move is outputed to kifu file while is stopping in teacher app. Add draw pen function in teacher side of lecture, p2p review windows. Batch donation and batch donation cancel. Randomly select a move for auto reply in exercise question. Update teacher properties using XML setting files. Partial selection in batch question donation and Kifu code converter. Hidden question id and update time stamp. Show icon goban in question's questionaire window. Set kifu title by classroom name.
$     \begin{array}{r}       15 \\       16 \\       17 \\       \hline       12 \\       3 \\       4 \\       5 \\       6 \\       7 \\       8 \\       9 \\       9     \end{array} $	"" Bug Fix "" "" "" " 8 (2018/03/01) New Feature Improvement "" "" "" "" "" "" "" "" "" "" "" "" ""	Auto game over by presetted captured stones' count in stone capture game. Show or hide video area by switch. Interactive kifu review window remains in desktop even it is closed in teacher app. Kifu history is not updated when game is going in student app. Auto version upgrade failed for some users. Move is outputed to kifu file while is stopping in teacher app. Add draw pen function in teacher side of lecture, p2p review windows. Batch donation and batch donation cancel. Randomly select a move for auto reply in exercise question. Update teacher properties using XML setting files. Partial selection in batch question donation and Kifu code converter. Hidden question id and update time stamp. Show icon goban in question's questionaire window. Set kifu title by classroom name. Remove priority control of auto function shift, in student app, when using one room mode.
$     \begin{array}{r}       15 \\       16 \\       17 \\       \hline       12 \\       3 \\       4 \\       5 \\       6 \\       7 \\       8 \\       9 \\       10 \\       \end{array} $	"" Bug Fix "" "" "" " 8 (2018/03/01) New Feature Improvement "" "" "" "" "" "" "" "" "" "" "" "" ""	Auto game over by presetted captured stones' count in stone capture game. Show or hide video area by switch. Interactive kifu review window remains in desktop even it is closed in teacher app. Kifu history is not updated when game is going in student app. Auto version upgrade failed for some users. Move is outputed to kifu file while is stopping in teacher app. Add draw pen function in teacher side of lecture, p2p review windows. Batch donation and batch donation cancel. Randomly select a move for auto reply in exercise question. Update teacher properties using XML setting files. Partial selection in batch question donation and Kifu code converter. Hidden question id and update time stamp. Show icon goban in question's questionaire window. Set kifu title by classroom name. Remove priority control of auto function shift, in student app, when using one room mode. Show only one P2P review window in teacher app.
$     \begin{array}{r}       15 \\       16 \\       17 \\       Ver6 \\       1 \\       2 \\       3 \\       4 \\       5 \\       6 \\       7 \\       8 \\       9 \\       10 \\       11 \\       \end{array} $	"" Bug Fix "" Bug Fix "" "" "" " **************************	Auto game over by presetted captured stones' count in stone capture game. Show or hide video area by switch. Interactive kifu review window remains in desktop even it is closed in teacher app. Kifu history is not updated when game is going in student app. Auto version upgrade failed for some users. Move is outputed to kifu file while is stopping in teacher app. Add draw pen function in teacher side of lecture, p2p review windows. Batch donation and batch donation cancel. Randomly select a move for auto reply in exercise question. Update teacher properties using XML setting files. Partial selection in batch question donation and Kifu code converter. Hidden question id and update time stamp. Show icon goban in question's questionaire window. Set kifu title by classroom name. Remove priority control of auto function shift, in student app, when using one room mode. Show only one P2P review window in teacher app. Auto move to end of a question, when do donation inspection.
$     \begin{array}{r}       15 \\       16 \\       17 \\       Ver6 \\       1 \\       2 \\       3 \\       4 \\       5 \\       6 \\       7 \\       8 \\       9 \\       10 \\       11 \\       12 \\       \end{array} $	"" Bug Fix "" Bug Fix "" " " 8 (2018/03/01) New Feature Improvement "" "" "" "" "" "" Bug Fix	Auto game over by presetted captured stones' count in stone capture game. Show or hide video area by switch. Interactive kifu review window remains in desktop even it is closed in teacher app. Kifu history is not updated when game is going in student app. Auto version upgrade failed for some users. Move is outputed to kifu file while is stopping in teacher app. Add draw pen function in teacher side of lecture, p2p review windows. Batch donation and batch donation cancel. Randomly select a move for auto reply in exercise question. Update teacher properties using XML setting files. Partial selection in batch question donation and Kifu code converter. Hidden question id and update time stamp. Show icon goban in question's questionaire window. Set kifu title by classroom name. Remove priority control of auto function shift, in student app, when using one room mode. Show only one P2P review window in teacher app. Auto move to end of a question, when do donation inspection. Kifu output collapsed, when net is unstable.
$     \begin{array}{r}       15 \\       16 \\       17 \\       \hline       Ver6 \\       1 \\       2 \\       3 \\       4 \\       5 \\       6 \\       7 \\       8 \\       9 \\       10 \\       11 \\       12 \\       \end{array} $	"" Bug Fix "" Bug Fix "" " " " 8 (2018/03/01) New Feature Improvement "" "" "" "" "" "" Bug Fix ""	Auto game over by presetted captured stones' count in stone capture game. Show or hide video area by switch. Interactive kifu review window remains in desktop even it is closed in teacher app. Kifu history is not updated when game is going in student app. Auto version upgrade failed for some users. Move is outputed to kifu file while is stopping in teacher app. Add draw pen function in teacher side of lecture, p2p review windows. Batch donation and batch donation cancel. Randomly select a move for auto reply in exercise question. Update teacher properties using XML setting files. Partial selection in batch question donation and Kifu code converter. Hidden question id and update time stamp. Show icon goban in question's questionaire window. Set kifu title by classroom name. Remove priority control of auto function shift, in student app, when using one room mode. Show only one P2P review window in teacher app. Auto move to end of a question, when do donation inspection. Kifu output collapsed, when net is unstable. Connection & disconnection often occurred when net is unstable.
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	Improvement	Remove teacher ID mode function when using local server.
8	""	Change kifu character code from UTF8 (N-BOM) to UTF8(BOM).
9		Remove temporary folder when app is exited.
10	""	Adjustment of button style or button text.
11	""	Fobidden auto window shift in student app, when received interactive review during game or lecture.
12	""	Remove lecture and p2p review from teacher main window when using congress mode.
13	Bug Fix	Exception occurred when start lesson using IP mode.
14	111 Bug F1X	Textual chat does not work when using IP mode.
15		Voice is out of control when net state is unstable.
16		Lecture opponent is out of control after student is replaced.
17		Nigiri button still show in game set window, even handicap stones is set.
18		Item duplicated of login teacher id history, in student login window.
19		Stone no showing is incorrect when placed stones exist.
Ver6	.6 (2018/01/14)	
		Use room no to classify sub-teacher IDs.
	Bug Fix	Goban can not show time setted game under Chinese WinXP system.
3		The time information of a game between students is not shown in observer app.
Ver6	.5 (2018/01/07)	
1	Improvement	Interactive group kifu review with 2 students and teacher.
2	""	Add clean voice, clean lecture buttons for all students in teacher main window.
3	""	Extend user define rank to 50 grades.
4		Edition of user define student types.
		Drag and drop open for SGF kifu file.
5		
6		Textual chat function between students with text color classication.
7		Show classmates' online states in student app.
8	""	Prompt game begin window for stone capture game & life or death game.
9	""	Disable the kifu open button in game viewer.
10	""	Show local IP, public IP, used ports in teacher app, when using IP login mode.
11	""	Show speak or mute state in student app.
12	""	Remove video recording function in teacher app.
13		Set the member id of each student in audio/video room by seat no.
_		
	Bug Fix	Rank info is not updated in student or observer app, when it is changed by teacher.
15		Potential exception of win refresh in student/observer app, after teacher logout in ip mode.
16	""	The coordination info of last move is not showing in P2P review windows of teacher app.
17		Point calc or stone number ctrl buttons disappeared occationally in game win of student app.
Ver6	.4 (2017/12/15)	
1		Stone capture game & Life or death game.
2	""	Parent/children teacher ID management, for a school opening several classes simultaneously.
3		Tsumego editor in Goban Tool App.
4		Kifu auto replay in Goban Tool App. Speed adjustable by setting.
5	""	Adjusting student's rank while classroom keeps in opening.
6		Changing student while classroom keeps in opening.
7	Improvement	Discard local server option, when using teacher ID login mode.
8		Add rank display in class edit window.
9	""	Move email contact button control to email send window.
	""	Prompt kifu saving dialog, before exiting Goban Tool App.
11		Add teacher id show in teacher main window.
12		Auto shift to point calculation window when game players both pressing pass button.
13		Time resetting for time out game.
-	Bug Fix	Mute failed for some PC, by case of audio device.
15		Kifu output abnormal, when network is unstable.
16	""	Rank showing error in Observer App for games between students.
17	""	Fixed area not showing when point calculation window is first loaded.
18	""	Interactive kifu review between students does not work, when using IP login mode.
	.3 (2017/11/05)	
		Hall Mada (for school alub)
		Hall Mode (for school club).
2		Lecture function of tsume go.
3		Game, tsumego, lecture for go board 4×4 .
4		Recall teacher id and password by registered email address.
5	""	Show Nigiri window in both players.
6	""	Anonymous observer function.
7	""	Video folder open and view.
	Improvement	Revision coping with Chinese firewall.
9	""	Character check for password.
10		Multi-language auto reply email of account registration.
11		Use half size alphanumeric character in windows or messages.
12	""	Expand goban show area by decreasing kifu description area in bottom.
13	""	[P2P -> Bi-direction review ] expression changes except English version.
14	""	Promotion video resolution according to teacher id.
15	""	Hide mail contact button when no students' email addresses are input.
16	""	Show next position in goban by default except tsumego.
17		
		Auto relogin when network back to normal.
	Bug Fix	Exeption occurred when click first column in teacher's main window.
19		Fail to read KGS kifu messing with chat, territory calculation, remain time.
20		Observer id does not work when it is newly changed one.
20		

21		Kifu print position deviated for small size goban.
22		P2P button does not blink in teacher side when student submit P2P review at first time.
Ver6	.2 (2017/10/07)	
1		Maximum 100 members of Go congress mode.
2		Add complimentary time when byo-yomi to 1 second, to ease internet time lag.
3	""	Save video / textual chat tab selection in app of both teacher and student. Optional white first / black first, convinent for Tsume Go lecture.
$\frac{4}{5}$		Optional showing of label indicating next step position.
6		Use domain name and special ports coping with school security management.
7		Disable entrance of lesson when no students are asigned to class.
8	Bug Fix	Components not resized when main window resizing.
	.1 (2017/09/05)	
		Share interactive review(between teacher&student or student&student) to all members.
	Improvement Bug Fix	Revise some of windows on showing. Kifu can't be correctly loaded when press SELF REVIEW button speedly&continuesly.
4	Bug F1X	Kifu info in the bottom area is not updated when new kifu opened in P2P review window.
5		In WindowsXP, clock alarm sound and remain second showing does not work.
Ver6	.0 (2017/08/26)	
1		Delete kifu from kifu history window.
2		Edit student ID in teacher app.
3	""	Start up P2P review from kifu list in student app.
4 5	Improvement	Embed P2P Review, Observer window into student's main window. Change product name to [Net Igo Campus System], for system extension in future.
6		Some notation revisions in some of windows.
7	""	Show game information in goban icon in observer or teacher main window .
8	""	Add two sides byo-yomi alert in between-student game, in teacher's game viewer.
	Bug Fix	Fix bug of Goban clear of labels, in interactive review window when kifu is loaded.
10		Create kifu folder for new student ID when teacher app started.
	.9 (2017/08/05)	Add for the firm of the second for the
1 2	New Feature	Add function of inner rank management for dojyo. Add function of clock stop when playing game.
3	Improvement	Continue show kifu even when net is disconnected, In observer app.
4	""	Avoid restarting app when audio/video device is changed.
5	-	Some expressions revision for Japanese.
6	Bug Fix	Fix bug of kifu is not saved in sometimes.
7	""	Fix bug of unabling adjust volume in Goban app.
	.8 (2017/07/17)	
$\frac{1}{2}$	Improvement	Add usage for standard user . Update recording components.
3		Hide stone adding button in P2P review window.
4	Bug Fix	Unable adding stone in lecture window when firstly start it.
5		Button display mistake in P2P review window when firstly start it.
	.7 (2017/06/19)	
1	New Feature	Add traditional Chinese version.
23		Add Kifu print (whole, separate, partial printing), multi-code, and ink saving mode. Video recording function in Goban application, for teachers making education video.
0		Auto change goban for teacher playing muli-faced instruction Go games (optional).
5	""	Saving class name for game name in kifu (optional).
6		Load sample class information (optional).
7	""	Form layout improvements.
	.6 (2017/04/19)	
	Improvement Bug Fix	Promote speed in upgrade package downloading, for China mainland. Fix bug in Ver5.4 of net abnormal.
23	Bug Fix	Fix bug in vero.4 of net abnormal. Fix bug of video flickering when new user login.
4	""	Fix bug of kifu review between students, when not using proxy server.
5		Fix bug of kifu step error caused by net disconnect.
6	""	Remove prompt message box, when recontinue a game that was stopped by net disconnect.
	.4 (2017/04/13)	
	New Feature	Kifu review between students, and kifu review while in game.
23	"" Improvement	Add interactive review goban, can move in each side simultaneously. Show game start message box, with non-handicap game.
4	""	Version upgrade with audio/video, recording components.
	Bug Fix	Add timeout treatment for low net speed circumstance.
Ver5	.3 (2017/03/19)	
		Provide proxy server, allow everyone setup his Go classes freely.
2	Improvement	Student startup observer application from lesson main dialog.
3		Allow teacher continuing a timeover game, considering net conditions.
4 5		Display remaining seconds on stone, when it is less than 15 seconds in a game. Add and delete attachment in Goban.
6		Hide symbol of last stone, when saving kifu image.
7		Set and edit observer id by teacher.
8	""	Random or manual set who goes black in game creation.
9		Set maximum input length of login dialog.
10	"" Bug Fix	Check ip input format when use ip login mode.
11	Dug FIX	Rollback time when undo is accepted.

12	""	Refresh all Gobans when it is customized.
13		Clear pre-message when switch login mode of teacher id / ip in teacher login dialog.
14		Hide stone sound button in observer application.
15		Refresh observer goban line color when game is over.
16		Clear all observer gobans when net is disconnected.
	.2 (2016/12/08)	
		Time setting for game.
2	""	Emergency reset.
	Improvement	Adjust font to MS Gothic, for all windows.
	Bug Fix	Exception occurred when starts up both teacher&student app using same camera.
5	""	Banner window popup in goban app.
Ver5	.1 (2016/11/19)	
	Bug Fix	Application could not exit normaly, when audio device is not prepared.
2	""	Transfer blocked when forward/backward moving is too quickly in lecture.
Ver5	.0 (2016/11/12)	
		Add games between students.
2	""	Auto online version update.
3		Add goban with size of 5,7.
4		Add teacher id mode.
	Improvement	Improve audio quality.
	.1 (2016/08/24)	
	(	Improve some functions according to low net speed.
2	""	Improve data transfer functions when teacher use mouse scroller in his letcure.
3		Reserve observation rights, for class students, regardless of observation seats count.
4	""	Some expressions revision.
5	Bug Fix	Runtime error some cases of pressing VD.RESET or START VD.REC button.
	.0 (2016/08/04)	
		Add lecture recording function for student review.
		Prompt move position on goban in realtime, for mouse move.
3	""	Show fixed camera phote, even though camera device does not exist.
4	""	Make stone move sound in default.
5	Bug Fix	Runtime error occured pressing VD.RESET button of teacher app.
6	""	Camera no showing of teacher app.
7		Login information local save.
Ver3	.1 (2016/07/13)	
1	New Feature	Startup teacher, student, observer app, in one window.
2	""	Show observer information in real time of teacher's app.
3	Improvement	Fix audio echo problem.
4	""	Show student name, in move back request messagebox of teacher's app.
5	Bug Fix	Fix display flicker bug in observer app.
	.0 (2016/06/25)	
1	New Feature	Add watcher application.
2	""	Add version check between teacher & student.
3		Add video adjustment settings for various net speed.
4	""	Save login history in local.
Ver2	.0 (2016/06/04)	
		Improve audio/video qualites for low net speed.
2	""	Send video by default for student.
3	""	Popup language selection window for first time startup.
4		Omit install folder selection.
	.0 (2016/05/10)	
	New Feature	
		Audio/Video compounded, multi-faced instruction game & lecture education system.
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