ICS4U – Grid Game Rubric 2022

Coder:					Theme: Lines o			of Code:		
User Interface (Knowledge, Communication)										
Level 1		Level 2		Lev	el 3	Le	vel 4	Le	evel 4+	
Own pictures on Tic Tac Toe board Title comments filled in		Bacl colo colo colo char Instru Spla	ur, button urs, text urs nged. ruction page sh screen		Instruction screen has picture of game. Splash screen is appealing, has game name and coder name. Comments added to global variables	0	Consistent image choice Colour scheme used. Screens have unity: same colours/ theme/ image type used on each. Comments added at start of every method		Visually appealing Complex & detailed instructions Multiple pictures on instructions page.	
Functionality (Application, Thinking)										
	Level 1 & 2		Level 3	Level 4					Level 4++	
Fifteen Puzzle	in all four directions		☐ Can win ☐ At least 5 levels ☐ Can reset in all levels ☐ Can play again		10 levels, can reset in each 10 Only swaps with blank 1 Moves Counter 1 Easier complexity is added:		Parameters and Return used well. Complexity added independently.	Complex arrays or methods		
Peg Game	in all four directions		☐ Diagonal swaps			Return used well. Complexity added independently. Choose pieces Entry of name		Complex arrays or nethods 3D Array for undo High scores list Own game addition that adapts board Save/Open old game		
Mine- sweeper	-		☐ Neighbors works		Open works Flags work		Win Works Lose Works Reset Works Can play again	0	xtra functionality: 3D Array for undo High scores list Own game addition	

☐ Score

Othello

☐ Can swap

left

right and

☐ Can swap

up and

down

☐ Reset

□ Scoring

☐ Turns flip back

and forth

☐ Can unflag square☐ Can swap on all 4

diagonals

that adapts board

o Save/Open old game

☐ No errors on all 8

□ Extra functionality:

3D Array for undo
Can predict moves
Own game addition that adapts board
Save/Open old game

directions

Grid Game Final Submission – Checklist

Comments			Game Functionality			
	Title comments are filled in		Code runs			
	Other template comments filled in		Can move in all directions			
	Init: //TO DO: Bring back in when you are ready to work		Moves counter displayed on screen			
	on other screens		5 levels, progress thoughtfully			
	Opening: //TO DO: Fill this comment in		10 levels, progress thoughtfully			
	Instructions: //TO DO: Fill this comment in		Can win			
	Settings: //TO DO: Fill this comment in		Can reset			
	Game Screen Top: //TO DO: Fill this comment in		Methods used for organization			
	Game Screen Middle: //TO DO: Fill this comment in		Methods used for reusability, testing			
	Game Screen Bottom: //TO DO: Fill this comment in		and extensibility			
	ActionPerformed Top: //TO DO: Fill this comment in		Own return type, coded independently			
	ActionPerformed Middle: //TO DO: Fill this comment in		Own parameter, coded independently			
	ActionPerformed Bottom: //TO DO: Fill this comment in					
	Comments added before all methods (win and reset)	Extra F	eatures			
	Comments added before important ifs and loops		JTextArea			
			OptionPanes			
Forma	tting		JPasswordField			
	Own pictures on board		Sound			
			JProgressBar			
	Button colour changed		Complex OptionPanes (input or using			
	Title text colour changed		cancel button)			
	Consistent image types used throughout (including		Use of settings page			
	splash).		Allow entry of name, update on game			
	Consistent colours used throughout	_	screen			
			Updated messages or prompts on game			
Splash		_	screen			
	Splash screen has theme of game named		Multiple choices of game pieces			
_	(eg Pokemon Fifteen Puzzle or MineFlower)					
Ц	Splash screen has coder's name – or this appears in	-	igh Level of Complexity			
_	credits somewhere		3D array used for redo or undo			
	Splash screen has game title (eg Fifteen Puzzle)		High scores list			
Ц	Splash screen has picture to fill space well		Own pieces/functionality added to game			
			Advise/predict positions			
Instruction page			Al functionality			
	Instruction page has instructions		Save/Open old games			
	Instruction page has a snapshot of game					
	Instruction page has multiple snapshots					
	Instruction page has detailed instructions					