# Documentation on how to run your project

The deliverable product for our group is an executable jar file. It requires at least java6 JVM to be installed on the host computer in order to run appropriately. The product is strongly based on the traditional game minesweeper. The first screen the user sees when starting the application in the level select screen.

### To run the product, execute:

```
$ java -jar SuperSweeper.jar
```

#### Level Select Screen:

- Left-Click a level to play it [66]
- Right-Clicking anywhere should have no response [6,7,90,91]
- Levels can only be played if the level before them has been successfully completed. [1]
- Left-Clicking a level (that can be played) should bring up that level and remove the level selection screen.

#### Game Screen:

- Should initiate to a screen with:
  - 1 Label displayed number of flags placed (initially 0) [52]
  - A timer displaying how much time remains for a completed level (should begin countdown on first click) [75]
  - o The Game Grid itself, should be a rectangular set of unpressed buttons
  - 3 powerup buttons at the bottom (+1) (\\_) (^) [26,79]
- Left-Clicking on the flag label or timer should do nothing [80,92]
- Right-Clicking on the flag label or timer should do nothing [81,93]
- Left-Clicking an unpressed grid unit should expose the unit as a bomb, or a number. [12,95]
- When an unpressed unit is exposed, it should display the number of mines amongst its 8 neighbor units.
- Right-Clicking an un-pressed grid unit should plant a flag on that unit, and increment flag counter at top. [20,96]
- Left-Clicking a flagged unit should do nothing. [9,99]
- Right-Clicking a flagged unit should remove the flag, and decrement flag counter at top [8]
- Left-Clicking an exposed unit should do nothing. [23,84,85,94,98]

- Right-Clicking an exposed unit should do nothing. [34,82,83,97,100]
- Left-Clicking the (+1) power-up button should check if the player has enough score points available, and if he does then
  - Protect his next click from causing a game over. If he clicks a bomb after clicking the +1, it just flags the bomb.
  - This should also decrement his score by the value of the powerup [17,18,19,86,87,88]
- Left-Clicking the (\\_) power-up button should empower the player's next click to automatically flag all mines within a 9 grid square around the user's pointer. This should decrement the user's score by the value of the power-up
- Left-Clicking the (^) power-up button should empower the player's next click to automatically flag all mines, and expose all numbers within a 9 grid square around the user's pointer. This should decrement the user's score by the value of the power-up [74]
- Right-Clicking any of the power-up buttons should do nothing [27,32,33]
- Right-Clicking with a power-up enabled should act normally

#### MenuBar:

- There should be an Options element with subelements:
  - Level Select, Restart Level, Help, and Exit [29]
- There should be a Score element that keeps track of a user's current score during gameplay, and cannot otherwise be
- interacted with. Initialized to 0. [30,43,80]
- Level Select will redirect user to Level Selection screen, quitting any current games if they're in progress [49,67,76]
- Restart Level will literally restart whatever level they are currently playing, reshuffling the mines [50,59,60,62,64]
- Help will display a text box about some general information [10, 11]
- Exit will close the application [40]

## **GameLogic:**

- Left-Clicking a bomb should end the game with failure. [22]
- Running out of time should end the game with failure. [22,25,77,78]
- Successfully exposing all non-minefields should end the game with success and unlock the next level. [21]
- The timer should be decremented at a natural rate [15,16]
- There is no limit to the number of flags one can plant
- Flagging a non-mine still restricts the user from exposing it, even though its not a mine

Defect #	Defect	Output before seed	Output after seed	Suggested Correction	White or Black	Severity	Commit #
1	All levels can be accessed regardless of user's progress	User could only access currLevel +1	User can access any level	Add logic to read user's current progress to detect which level the user can play	В	2	a71fdb465 82f9abbba a5766eb4 aa892972 0494a9
2	Timer does not reset after restarting level	Timer resets after restarting a level	Timer does not reset after restarting a level	Call resetTimer when clicking restart level	В	2	3af96a239 663ef400f c8b48f9ac 65f541a94 8500
3	Minefield flickers on drag	Minefield does not flicker on drag	Minefield flickers on drag	On mouseDragged, make sure to only call repaint once	В	3	-
4	Minefield flickers on click	Minefield does not flicker on click	Minefield flickers on click	On mousePressed, make sure to only call repaint once	В	3	-
5	Minefield flickers on release	Minefield does not flicker on release	Minefield flickers on release	On mouseReleased, make sure to only call repaint once	В	3	-
6	Right click level select should have no effect	Right click level select has no effect	Right click level select replaces image with "normal" grid unit	Predicate the setting of an image with which mouse button is being pressed	В	3	f4379f086 a8e1ba0f2 4998c43a c7c46313 94e4a0

7	Right click release level select should have no effect	Right click level select has no effect	Right click release performs the level select action	Predicate the level select action with which mouse button is being pressed	В	3	2609d910f 86def5166 8ccb3fc4b 08afd4f58 7fb7
8	Right click flag increments score unnecessarily	Right clicking should only remove flag	Right click on flag increments the score	Remove the increment counter code that is incorrectly placed in right-clicking-flag logic	В	3	8fb315b3b 0c809a6a 3143641e 378510fc2 ffb416
9	Left click on flagged unit shows the number	Left-clicking flagged units should do nothing	left clicking on flag ignores the flag and exposes the unit anyway	Add logical check to see if a unit is flagged before exposing it	В	2	b1b1a84b cf31c2db9 8765c772 2fdb93fd2 3a9af9
10	Click on help opens multiple dialogs	The help menultem should bring up a single dialog	The Help menultem opens multiple dialogs	Remove the duplicate logic that caused multiple dialogs to appear	В	3	7107e6b4 20c695cd cfba5bfb0 1d3dfc32f 96c32d
11	Help dialog prints the same thing twice	Help dialog contains text describing the game	The Help dialog is prints description of the game twice	Add a immutable string to the help dialogs content field and print it once	В	3	4ba6b0b4 b5ff1f3578 aa68c4c2 184d6396 c99778
12	Exposing area exposes flagged units	Flagged units are uncheckable, even if they're empty	Flagged units get unchecked by expanding of empty units	Check to see if a unit is flagged before expanding onto it and exposing it	В	2	df3ee2acf 000164d5 6195db15 ad3c612c 43e1c18
13	Highscore saved even when user	Highscores are only saved when the	Highscores get saved on	Move the save-highscore logic from onGameEnd	W	2	41179ff47 89437a96f

	loses	game is completed successfully	gameEnd, even if it was a loss	to onGameVictory			d349ce09 50eee22b a241d7
14	Grid unit stays pressed when mouse drags off	Grid units should unpress when the cursor leaves the grid	Grid units stay pressed if the mouse is dragged out of the grid	Implement MouseDrag Listener to unclick previous units when the cursor strays out of bounds of it	В	2	c99d9ba9 5a000edc e61bc9bc 91abaf80e e4a654f
15	Timer counts down by 2	Timer counts down by 1 per interval	Timer counts down 2 per interval	Change the decrement function from -2 to -1	В	1	776ccdc4 beca18c5 ad76410d 48b51946 85ccd306
16	Timer counts down at double speed	Timer should count down one second at a time	Timer counts down at half the interval	Change the time interval to be one per second, not a shorter interval	В	1	20a6ae5c 344a154e da574775 1702a910 44b7c706
17	Using metal detector does not cost points	Metal detector should deduct 150 points from overall score	Metal detector deducts 0 points from overall score	Initialize the powerup with 150 points	В	3	a37e3658 4ffb360dff7 8520c44ff b1fbbd27f 8a1
18	Using missile does not cost points	Missile should deduct 200 points from overall score	Missile deducts 0 points from overall score	Initialize the powerup with 200 points	В	3	c5195cbef 1d9fb51d8 d197aa91 15a26cb6 d155cb
19	Using extra life does not cost points	Extra life detector should deduct 100 points from overall	Extra life deducts 0 points from overall score	Initialize the powerup with 100 points	В	3	91e3b589 a6f40f1bf0 83192536

		score					b73b966ff 7895a
20	Flagging increments flag counter by 2	Every time a flag is placed, the flag count should be incremented by one	Placing a flag increments the counter by 2	Make sure one flag counts towards one tally on the count	В	3	821621f36 b4abeb6c afcacd0c7 6dc3ac42 8a3843
21	Winning does not display end game screen	A dialog should appear informing that the game is over & the user has won	No dialog appears at end of game, it appears that the game has just frozen	Add some sort of dialog at the end of game, regardless of win or loss so the user is aware it is over.	В	1	75068e1e e1b9c256 53871199 4d25d09c bc1912a7
22	Losing does not display end game screen	A dialog should appear informing that the game is over & the user has lost	No dialog appears at end of game, it appears that the game has just frozen	Add some sort of dialog at the end of game, regardless of win or loss so the user is aware it is over.	В	1	276469a9f 7bdf08264 66a5f1434 00db1e56 76988
23	Left click exposed unit replaces image with "normal" grid unit	Left-clicking exposed units does nothing	Left-clicking exposed units turns the unit back to unpressed	Don't change the bitmap of gridunits after they have been exposed under any condition	В	3	398a5933 65295352 e0db96ef7 231ed5f80 1ba4f0
24	Initial flag count nonzero	When there is a new game flag count should start at 0	Flag count does not start at 0	For every new game, initialize flag count to 0.	В	3	61e28dce 824f3210b a9c94895 763920e4 e4b6309

25	Game does not end when timer is up	A "Game Over" message should appear and game panel should be disabled	"Game Over" message does not appear. Game is still playable	Check if the timer < 0, if it is call endGame()	В	2	-
26	Only two powerups are shown on level 1	All three powerups should be displayed for every level	Only two of the powerups are displayed for level 1	Change level definition so there is enough width to display all powerups	В	1	95bab914 5dcfd25fc 3c591ecb 6a590009 4a5ace5
27	Right click extra life does give extra life	Right clicking a power up should not activate the power up	Right clicking a power up activates the powerup	Add a condition that checks if the mouse click event is the Left Mouse button	В	2	19931558 6e3570d1 a76581a5 55e10eba d3a9ff09
28	First click can be a mine	The first click should never result in an automatic loss	The first click has the potential to be a mine	Add logic to reshuffle mines if the first click is on a mine	В	1	faa25158f d759feaaa ad1ea6ce 77ddc2f61 49091
29	Extra unnecessary menu items	The Option menu should only contain 4 elements	The option menu now contains extra items that do nothing	Remove the unecessary manu elements	В	3	f988d16fa cc93ab07 191da030f d9e98b85 953245
30	Score can be negative	Score should always be greater than zero	Score can go in the negatives	Add a check if the score will be less than zero before removing points	W	2	dc0018d0 2e881dad 4df3f8ca5 c8e2e79e a8eac56
31	Checking empty	Uncovering empty	Uncovering	Check if the pressed unit	W	2	f132ee350

							,
	grid unit gives points	grid units should not add points to score	empty grid units adds points to score	is empty, if it is, do not add any points			d373b507 59e61765 1be36311 0821f8a
32	Right click missile does give extra life	Right clicking a power up should not activate the power up	Right clicking a power up activates the powerup	Add a condition that checks if the mouse click event is the Left Mouse button	В	3	19931558 6e3570d1 a76581a5 55e10eba d3a9ff09
33	Right click metal detector does give extra life	Right clicking a power up should not activate the power up	Right clicking a power up activates the powerup	Add a condition that checks if the mouse click event is the Left Mouse button	В	3	19931558 6e3570d1 a76581a5 55e10eba d3a9ff09
34	Left click flag label opens a dialog box	Left click flag label should not open a dialog box	Left click flag label opens a dialog box	Remove line of code which opens a dialog in GamePanel	В	3	7910841c 92d7b5e0 06c64eb9 bf00c1d87 0708ae3
35	The Frame icon is just the default java icon	The Frame icon should be related to the game	The Frame icon is just default java icon	Explicitly define the Frame's icon to be a mine from the game	В	3	cadc07a5 c00d5f8fc d11fd0386 295bdd6b 33e1f9
36	The Frame's title just says GameFrame	The main Frame's title should say SuperSweeper	The main Frame's title just says GameFrame	Explicitly define the Frame's title to say SuperSweeper	В	3	fda62065d 2a15edfb1 df0cf9a6c 5fbafa7c7 70a7
37	The executable jar spawns two	The executable should only spawn a single application	The executable spawns more than one	Remove the duplicate logic in the main() functino that creates	В	1	868f61a6c a784e928 96f0ccf61

	application windows	window	application window	multiple frames			1acb6f779 cdf1a
38	Not the entire gridPanel is drawn due to lack of space	The entire grid should be visiable at any given time during gameplay	Some of the grid is cut off because there is not enough room	Make sure the defineMinSize() definitions for the subpanels are large enough to give everything room to be displayed	В	2	f302327ffdf 02471a93 7c8f412f9 79269cf39 723
39	There is empty space along one side of the GamePanel	The GamePanel should be centered in the frame	The frame is larger than necessary and exposes empty space	Make sure the gamePanel's prefered width is the right size	В	3	f302327ffdf 02471a93 7c8f412f9 79269cf39 723
40	Options → Exit menu item does not exit the application	Exit menu item should terminate the application	Exit menu item just shrinks the screen	Implement exit logic when the exit menu item is pressed	В	1	e944bdbd 28a19666 481cb6bc be888916 ee8f0784
41	The timer label is drawn incorrectly	The timer label has no extra 0s in it	The timer label has preceding extra 0s	Ensure the timer is formatted to now show extra 0s	В	2	995196c9 20933a4c 09937b17 0bfa6d724 687729b
42	The default [X] button on the JFrame does not exit the application	When the user presses the [X] the application should terminate	Application does not terminal when the user presses [X]	Change the ON_CLOSE operation of the Game Frame	В	1	1cb237c4 82267217 31d51765 b77e6225 e19f01c5

43	The score label of the menu bar is spelled scare	Score should be spelled correctly	Score is spelled scare, which is incorrect	Change the string scare to score	В	3	9127bee1 8d5a17f67 35a32802 68880927 3e4afb3
44	Encapsulation of GamePanel is not maintained	Variables should not be visible directly from other classes	Variables are publicly accessible, so may be improperly manipulated	Change variable scope to private, and if they're needed elsewhere implement getters and setters	W	2	8f5131c13 5729079d b56f088dc e30230b7 895ec2
45	Encapsulation of LevelSelectionPa nel is not maintained	Variables should not be visible directly from other classes	Variables are publicly accessible, so may be improperly manipulated	Change variable scope to private, and if they're needed elsewhere implement getters and setters	W	2	bb8da5bf4 94b9463b 9136f258a 4711505d e84f05
46	Encapsulation of GameState is not maintained	Variables should not be visible directly from other classes	Variables are publicly accessible, so may be improperly manipulated	Change variable scope to private, and if they're needed elsewhere implement getters and setters	W	2	a8deff291 6431af225 04b66ed9 9ecdf0578 45682
47	Encapsulation of GridPanel is not maintained	Variables should not be visible directly from other classes	Variables are publicly accessible, so may be improperly manipulated	Change variable scope to private, and if they're needed elsewhere implement getters and setters	W	2	23ab51a9 9822ed38 b4a4f2325 93566a9a a9e0d12
48	Utility class	Utility class is final	The Utility class	Make the class final, and	W	3	-

	should not be instantiable or inheritable	and cannot be instantiated	could be instantiated	create a private constructor			
49	The Options → Level Select menu item resets the level	The Options → Level Select menu item takes the user back to the level select screen	The Options → Level Select menu item resets the level	Implement the menu item's action listener to change the screen to the level selection panel	В	1	9ece19aa 77c32115 8c016bad 9e4af67c1 527b760
50	The Options → Restart Level menu item takes the user back to the level select screen	The Options → Restart Level menu item should restart the current level	The Options → Restart Level menu item takes the user back to the level select screen	Implement the menu item's action listener to reset the level to its original state	В	2	9ece19aa 77c32115 8c016bad 9e4af67c1 527b760
51	Dragging a GridUnit on level select changes its state to flagged.	Dragging a GridUnit on level select should do nothing	Dragging a GridUnit on level select changes its state to flagged.	Override dragging action listener to do nothing.	В	2	bf0f3dbc7 2792cfd1b a164f6267 411d1c57 529d4
52	Game initializes with game units already flagged	Game should start with all units in their "normal" state	Game starts with some of the units already flagged	When creating the initial game, populate the game with only mines and "normal" grid unit bitmaps	В	2	1571b50c 447f6eb44 a3a611e1 cc689da9 da2850b
53	Many classes contain unused imports	All imports are utilized somewhere in the code	Some imports are not used anywhere in the code, and are therefore	Remove unused imports	W	3	-

			unecessary				
54	Bonus level time is negative	Time is always non-negative in the level properties file	Time for the bonus level appears negative	Change the level definition for the bonus level to be positive	W	1	7c8058b2 33fe4b0c5 c03b4632f 28489bf70 99f6f
55	Bonus level time is not an integer	Time should always be an integer in the level properties file	Time for the bonus level is defined as a float	Change the level definition for the bonus level to be a positive integer	W	1	7c8058b2 33fe4b0c5 c03b4632f 28489bf70 99f6f
56	Bonus level number of mines is greater than the number of units	There should always be less mines than available grid units in the level properties file	There are more mines than spaces, so the user can't win (infinite loop)	Change the level definition for the bonus level to have fewer mines than grid units	W	1	7c8058b2 33fe4b0c5 c03b4632f 28489bf70 99f6f
57	Bonus level grid height is not an integer	There grid height should always be a positive integer in the level properties file	The grid-height is not an integer so the level can't load	Change the bonus level properties file to have an integer value grid height	W	1	7c8058b2 33fe4b0c5 c03b4632f 28489bf70 99f6f
58	Bonus level grid width is not an integer	There grid width should always be a positive integer in the level properties file	The grid width is not an integer so the level can't load	Change the bonus level properties file to have an integer value grid width	W	1	7c8058b2 33fe4b0c5 c03b4632f 28489bf70 99f6f
59	Clicking Reset Level does not reshuffle the mines	Reset level function should shuffle around the mines so they are not always at the same spot	Pressing Reset Level does initiate shuffling of mines	Use a random mine generator to generate the mines in different locations	В	2	6ceb2be0 24aa0478 14c3c90b 8276414c 7ccfb40e

60	Clicking Boost	Reset Level should	Reset level	Reset all units to	В	2	4de9ff307
60	Clicking Reset Level does not remove flags	reset Level should reset all units to "normal" state	changes all units to "normal" state except flagged units	"normal" state disregarding their current state	Б	2	c932411d c27615a3 48ef92cf2 d0687e
61	Winning a game does not give bonus points	Each level should have a bonus point associated with it in the level properties file, that the user receives for success	The user does not receive the bonus points from winning	Add the level's bonus score to the user's score if he completes the level	В	2	41706921 50a7e60b 6251eb07 3b81e3c6 7d3ae0cc
62	Clicking Reset Level does not reset the score	Reseting the level should set the score back to 0	Resetting the level does not change the score from what it was	Add the logic to reset call to also change the score back to 0	В	2	-
63	Right clicking on powerup displays empty dialog box	Right clicking on a powerup should not do anything	Right clicking on a powerup display an empty dialog box	Remove mouselistener from powerup buttons	В	2	19931558 6e3570d1 a76581a5 55e10eba d3a9ff09
64	Clicking ResetLevel changes the object's states, but not their images	Restarting a level changes all the images back to unpressed	Restarting a level changes what the units states are, but all their images are mines	Reset the image to unpressed, not mines if the level is restarted	B & W	1	314d4c61f 30c24e9f1 3ea5db76 ceb48fb91 5802a
65	There is an unused class	Unused Classes should be removed	There is an unused Class	Remove the unecessary class definition	W	3	862a3f7ba 10bcffe3fd

	Called Sprite, that is never implemented						8737fe792 b86c88ce 0654
66	Clicking a level on level select actualy starts the next level	Clicking level x started level x	clicking level x started level x+1	Remove the faulty preincrement logic when selecting a level	W	1	a2b18065 b9b75244 692d68f35 d5ed231a db77ea3
67	Exiting a game to level select sets the score menu item to a non-zero value	Score label is always set to zero when not in game	Score label is some random number when not in game	Change the faulty number back from 481516234 to 0	В	3	8ac6cbb1 d29590e1 d4b523de 04e772db 5fe29113
68	There exists unused images in the package	Only images that are necessary are shipped to the client to preserve space	There exists unused resources in the jar that make the package unecessarily larger	Remove unused Images	W	3	78027aa1 e139f7495 20b84539 905b70a0 dcc14b2
69	There exists outdated powerup definitions and logic	Only current code should be in the deliverable	There exists old/outdated code poluting the powerup class	Remove unused/outdated code from powerup class	W	3	99eae84b 68051165 e7619848f 7ac9dfd40 39097c
70	There exists unused level definitions	Only implemented level definitions should be included in the deliverable	There exists level definitions that had been used for debugging purposes in the	Removed the unused debugging level definitions	W	3	355b23e0 1f513ba14 ed8e418b 80661d2e 8cbba42

			deliverable				
71	There are unused label definitions in GameFrame	GameFrame should only contain labels that are used within the deliverable	GameFrame contains unused labels that cause clutter in the class	Remove unused label definitions and logic	W	3	1e4c7763f e80d3fd34 301b2ebd 11fa728da 46c73
72	There exists unused GridUnit state variables	GridUnit should only contain state variables that are used within the deliverable	GridUnit contains variables that are no longer being used or accessed	Remove unused state variables from GridUnit class	W	3	88468ea9 2ea6147e a48cb63a b43397fec 42d786e
73	GridUnit has getters for global variables (redundant)	Since all of the variables within GridUnit are public, getters are redundant	GridUnit contains redundant code	Remove getters from GridUnit class	W	3	a0680d5c 46d55e00 696425be 89935652 db44ce19
74	Missile powerup initially set to true. Game starts with a powerup	When the game starts, all powerups should be set to false and are only obtained with points	Game starts with the Missile powerup as active	Set all powerups to false initially	В	2	909a15cb 2ca93480 d5a70589 14e60f2c3 76e28e8
75	Timer does not start on first click	Timer should only start counting down when the user first clicks	Timer starts when the level has loaded	Implement logic to stall the timer until first click	В	1	69022026 75784bd6 87302cbf9 e0a1af80c a1d142
76	Pressing Options  → Level Select does not remove	Pressing on Level Select should switch the user to a new	Pressing Level Select appends the Level Select	Kill the current panel and open the Level Selection Panel	В	2	30e241e0 9037e60e 033be387

	the current game from the grame	screen	panel to the right of the screen				5f49cbf00 ba374ad
77	When time runs up, the timer label displays strange text	Timer should just display 00:00 when time runs out	Timer displays strange character when time runs out	Change the timeLabel.setText("asfl;jk asdf"); to timeLabel.setText("0:00");	В	2	824ba235 9de07ec7 d3b11ec3 4fb9708ab 4bcea13
78	Timer is not stopped, even if game is over	Timer should stop counting down when the game ends	The timer keeps counting down, even if a mine is pressed	Stop the timer counting down if hte game has finished	В	1	824ba235 9de07ec7 d3b11ec3 4fb9708ab 4bcea13
79	There is an extra powerup button that does nothing	There should only be three powerup buttons	Theres a fourth button that says help, that does nothing	Remove the extra button definitions	В	2	50ebe81e bfc886e79 a126605d e6e8db0a 6d1fe50
80	Left releasing the score resets the score to zero	Left releasing the score label should do nothing	Left releasing on the score label resets the user's score to zero	Remove actionlistener from label	В	2	e5e9320b 21bdde7fb 82a60286 7aaf4766b 7153b8
81	Pressing on flag label resets the flag count to zero	Pressing the flag label should do nothing	Pressing on the flag label resets the user's score to zero	Remove actionlistener from label	В	2	58d05c7d 07d73501 e4f586a02 535cbc4a 941aed1
82	Mouse click event on score label resets it to 0	Mouse click event on score label should do nothing	Mouse click event on score label resets it to 0	Remove logic which resets the score in GamePanel	W	2	39c56e76f e65f0f889 3a25e8bc 0a94c339

							245733
83	Right click release an empty grid unit in the game panel increments the score	Right click release an empty grid unit should do nothing	Right click release an empty grid unit adds 1 to the score	Add logic in GameState to check that if the unit is exposed do nothing	В	2	978dd205 8eee9c44 ccd7efca8 f45024114 19374a
84	Left pressing the score resets the score to zero	Left pressing the score label should do nothing	Left pressing on the score label resets the user's score to zero	Remove actionlistener from label	В	2	09dbd957 6e8de204 501498dd def96f77a 8484a32
85	Right pressing the score resets the score to zero	Right pressing the score label should do nothing	Right pressing on the score label resets the user's score to zero	Remove actionlistener from label			e5e9320b 21bdde7fb 82a60286 7aaf4766b 7153b8
86	Missile power up opens help dialog on click	Missile powerup should enable the corresponding powerup without a popup dialog	Popup help dialog appears on powerup click	Remove call to help dialog on press of powerup	В	3	4a04b0e7 02d40e7b d4d78eed 9917e436 a04bdb86
87	Mine detector opens up help dialog on click	Mine detector powerup should enable the corresponding powerup without a popup dialog	Popup help dialog appears on powerup click	Remove call to help dialog on press of powerup	В	3	4a04b0e7 02d40e7b d4d78eed 9917e436 a04bdb86
88	Extra Life opens up help dialog on	Extra life powerup should enable the	Popup help dialog appears	Remove call to help dialog on press of	В	3	4a04b0e7 02d40e7b

	click	corresponding powerup without a popup dialog	on powerup click	powerup			d4d78eed 9917e436 a04bdb86
89	Application is positioned off-center	GameFrame should be positioned in the center of the screen	GameFrame is positioned off-center	Remove the +20 on positioning the GameFrame	В	2	cd791745 1465d829 3b96a194 62ce0e8a 9e14a109
90	Right mouse click release on timer label resets timer to 2:00	Releasing the right mouse button on the timer label should do anything	Releasing the right mouse button on the timer label resets the time to 2:00	Remove logic to reset timer in GamePanel mouse listener	В	2	3c000cffa b65f5dabf 2d98713d acfb0a746 e8b87
91	Left mouse click release on timer label resets timer to 2:00	Releasing the left mouse button on the timer label should do anything	Releasing the left mouse button on the timer label resets the time to 2:00	Remove logic to reset timer in GamePanel mouse listener	В	2	3c000cffa b65f5dabf 2d98713d acfb0a746 e8b87
92	Left mouse click on timer label resets timer to 2:00	Clicking on the timer label should do anything	Clicking on the timer label resets the time to 2:00	Remove logic to reset timer in GamePanel mouse listener	В	2	72faed9a9 39914c77 41f6fd194 33de6073 ba261a
93	Right mouse click on timer label resets timer to 2:00	Right clicking on the timer label should do anything	Right clicking on the timer label resets the time to 2:00	Remove logic to reset timer in GamePanel mouse listener	В	2	72faed9a9 39914c77 41f6fd194 33de6073 ba261a
94	On left mouse button release	On left mouse button release action on a	On left mouse button release	Remove adding points logic from grid unit if it	В	2	520eb852 8090e9b9

	action on a numbered grid unit in the game panel increments the score	numbered grid unit in the game panel should not do anything since it has already been exposed	action on a numbered grid unit in the game panel adds points to the score	has already been revealed			5f2aff4fcef df9563861 fb7f
95	Left release score label resets score to 0	Left release score label should do nothing	Left release score label resets score to 0	Remove actionlistener from score label in GamePanel	W	2	09dbd957 6e8de204 501498dd def96f77a 8484a32
96	Right mouse click on unchecked GridUnit resets timer to 2:00	Right clicking on an unchecked grid unit should only flag the GridUnit	Right mouse click on unchecked GridUnit resets timer to 2:00	Remove logic to set time to 2:00 in GameState	В	2	3d8be5ec 92979df63 7874d848 1658e34a 309dc58
97	Right mouse button press a numbered grid unit in the game panel increments the score	On right mouse button press action on a numbered grid unit in the game panel should not do anything since it has already been exposed	On right mouse button press action on a numbered grid unit in the game panel adds points to the score	Remove adding points logic from grid unit if it has already been revealed	В	2	8fb315b3b 0c809a6a 3143641e 378510fc2 ffb416
98	Left clicking on an exposed grid unit increments the timer	Left clicking on an exposed GridUnit should not do anything	Left clicking on an exposed grid unit increments the timer by 30 seconds	Remove incrementation of timer logic from actionlisteners implementation	В	2	f31a1cdc9 781b3dca 2d78bb1c 2508c798f c9c1d5
99	Left mouse button	On left mouse button	On left mouse	Remove incrementing	В	2	667a0a4d

	press a flagged grid unit in the game panel increments the timer	press action on a flagged grid unit in the game panel should do nothing	button press action on a flagged grid unit in the game panel increments the timer	the timer logic from clicking on a flagged GridUnit			e37f2f847 b20a4211 9105f9668 f82b62
100	Right clicking on an exposed grid unit increments the timer	Right clicking on an exposed GridUnit should not do anything	Right clicking on an exposed grid unit increments the timer by 30 seconds	Remove incrementation of timer logic from actionlisteners implementation	В	2	f62467698 92c37fc5f efaea3f62 1532fd0f4 5f8b