

## ClickersAnonymousCU

Team:

Thomas Langsfield

Justin Yun

Christian Soto

Graham Harper

Benjamin Morris

Story Kiser

## CSCI-3308 Milestone 5

Create a document that describes how at least three features within your finished product will be tested. The test plan should include specific test cases (user acceptance test cases) that describe the data and the user activity that will be executed in order to verify proper functionality of the feature.

1. Test signup page- test whether username is unique, new names are added, success message given.  
Test cases: signup with existing username, sign up with new username.
2. Test score update process- updated on logout, message to warn of unsaved data trying to exit before logout. Check database after logout, after window close without logout
3. Test leaderboard accuracy- check ordering, set new highscore to verify update.

Provide a link to the tool you use to automate testing, or explain how to run the automated test cases or schedule time with the TAs to demonstrate your automated tests. Provide a copy of the output showing the results of the automated test cases running.

Automation tool: <https://www.katalon.com/>

Screenshots of automation testing output:

### General Test:

The screenshot displays the Katalon Studio interface during a test execution. The main window shows a table of test steps:

Item	Object	Input	Output	Description
1	Open Browser			
2	Navigate To Url			
3	Click	a_Signup		
4	Set Text	input_username	"test"	
5	Set Text	input_password	"test"	
6	Click	button_Signup		
7	Click	a_home		
8	Click	a_Signup		
9	Click	a_Login		
10	Set Text	input_username	"test"	
11	Set Text	input_password	"test"	
12	Click	button_Login		
13	Click	button_Leaderboard		
14	Click	button_Go Home		
15	Click	button_Learn More		
16	Click	button_Go Home		
17	Click	button_Logout		

The right sidebar shows the 'Job Progress' section with a list of test cases and their status:

- Test Cases/Test 1 - Chrome - 20180419\_181827: 0/1
- Test Cases/Test 1 - Chrome - 20180419\_181714: 0/1
- Test Cases/Test 1 - Chrome - 20180419\_181556: 1/1

The bottom status bar shows 'Runs: 0/1', 'Passes: 0', 'Failures: 0', and 'Errors: 0'.

Test signup with existing username:

The screenshot shows the Katalon Automation Recorder interface on the left and a web browser on the right. The browser displays a 'Signup' page with a red error message: 'That username is already taken.' The Katalon interface shows a test suite with the following commands:

Test Suites	Command	Target	Value
Untitled Test Suite*	open	https://mysterious-fjord-58157.h.erokuapp.com/	
Bad signup *	click	link=Signup	
good signup*	click	//form[@action='/signup']	
Untitled Test Case *	click	name=username	
test score*	type	name=username	test
Untitled Test Case *	type	name=password	test
Test Leaderboard	click	//button[@type='submit']	

The log shows the following execution steps:

```
[info] Executing: | click | link=Signup | |
[info] Executing: | click | //form[@action='/signup'] | |
[info] Executing: | click | name=username | |
[info] Executing: | type | name=username | test |
[info] Executing: | type | name=password | test |
[info] Executing: | click | //button[@type='submit'] | |
[info] Time: Thu Apr 19 2018 20:14:34 GMT-0600 (MDT) Timestamp: 1524198474627
[info] Test case passed
```

Signup with new username:

The screenshot shows the Katalon Automation Recorder interface on the left and a web browser on the right. The browser displays a game page titled 'APPLES' with a large red apple icon and a score of 0. The Katalon interface shows a test suite with the following commands:

Test Suites	Command	Target	Value
Untitled Test Suite*	open	https://mysterious-fjord-58157.h.erokuapp.com/	
Bad signup *	click	link=Signup	
good signup*	click	name=username	
Untitled Test Case *	type	name=username	testcase3
test score*	type	name=password	testcase
Untitled Test Case *	click	//button[@type='submit']	

The log shows the following execution steps:

```
[info] Executing: | open | https://mysterious-fjord-58157.h.erokuapp.com/ | |
[info] Executing: | click | link=Signup | |
[info] Executing: | click | name=username | |
[info] Executing: | type | name=username | testcase3 |
[info] Executing: | type | name=password | testcase |
[info] Executing: | click | //button[@type='submit'] | |
[info] Time: Thu Apr 19 2018 20:16:21 GMT-0600 (MDT) Timestamp: 1524198581465
[info] Test case passed
```

## Testing score update process:

The screenshot shows the Katalon Automation Recorder interface on the left and a web browser on the right. The browser displays the 'Civilization Clicker' login/signup page with buttons for 'Login' and 'Signup'.

**Katalon Automation Recorder Test Suite:**

Test Suites	Command	Target	Value
Untitled Test Suite*	open	7.herokuapp.com/	
Bad signup *	click	link=Login	
good signup*	click	name=username	
Untitled Test Case *	type	name=username	testcase3
	type	name=password	testcase
Test Leaderboard	sendKeys	name=password	\$(KEY_ENTER)
Test Score*	click	xpath=//canvas[@id='canvas']	
Untitled Test Case *	click	//div[@id='buttons']/a[2]/button	
	click	//button	
	click	//div[@id='buttons']/a/button	

**Log:**

```
[info] Playing test case test score / Untitled Test Case  
[info] Time: Thu Apr 19 2018 20:20:42 GMT-0600 (MDT) Timestamp: 1524198842565  
[info] OS: macOS Version: 10.13.3  
[info] Browser: Chrome Version: 64.0  
[info] If the test cannot start, please refresh the active browser tab  
[info] Executing: | open | https://mysterious-fjord-58157.herokuapp.com/ | |  
[info] Time: Thu Apr 19 2018 20:20:42 GMT-0600 (MDT) Timestamp: 1524198842566  
[info] Test case passed
```

## Testing Leaderboard update:

The screenshot shows the Katalon Automation Recorder interface on the left and a web browser on the right. The browser displays the 'Civilization Clicker' leaderboard page with the heading 'Here's the leaderboard!' and a table of player rankings.

**Katalon Automation Recorder Test Suite:**

Test Suites	Command	Target	Value
Untitled Test Suite*	open	https://mysterious-fjord-58157.herokuapp.com/profile	
Bad signup *	click	xpath=//canvas[@id='canvas']	
good signup*	click	//div[@id='buttons']/a[2]/button	
Untitled Test Case *	click	//button	
Test Leaderboard*	click	xpath=//canvas[@id='canvas']	
Untitled Test Case *	click	//div[@id='buttons']/a[2]/button	

**Log:**

```
[info] Playing test case test score / Untitled Test Case  
[info] Time: Thu Apr 19 2018 20:20:42 GMT-0600 (MDT) Timestamp: 1524198842565  
[info] OS: macOS Version: 10.13.3  
[info] Browser: Chrome Version: 64.0  
[info] If the test cannot start, please refresh the active browser tab  
[info] Executing: | open | https://mysterious-fjord-58157.herokuapp.com/ | |  
[info] Time: Thu Apr 19 2018 20:20:42 GMT-0600 (MDT) Timestamp: 1524198842566  
[info] Test case passed
```

**Leaderboard Table:**

Rank	Username	Score
1	e	15
2	benji	10
3	clickersanonymouscu@	
4	Quinn	
5	story	
6	grha4536@colorado.ed	
7	christiansoto	
8	Justin	
9	test	
10	testcase	
11	testcase2	
12	testcase3	