**Task Roulette**

**Test Results**

**COP 4331, Spring, 2014**

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**Modification history:**

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| v1.2 | 4/20/14 | S. Lo & G. Skotnicki | Results of Individual Test Cases |
| v1.3 | 4/20/14 | S. Lo | Description of Test Environment |



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**Section 1: Description of Test Environment**

The site was built on a Linux Ubuntu v12.04 VPS. This hosted all of our files allowing the whole group to test the same version of the site. Testing involved unit testing of individual files and functions, as well as total testing of components. In particular we used browsers: Mozilla Firefox 26+, Google Chrome 30+, Safari 6+, and Internet Explorer 9+ for desktop machines with Windows 7+, Mac OSX 10.8.5+, and Linux (Ubuntu 13.10) operating systems. For mobile devices we tested with both Android 4.4 and iOS 7.0.1 on their native browser. This testing environment is nearly identical to our original idea as stated in the “Team Madness’ Phase 3 - Test Plan” document. A ‘test.js’ file was created to test storage of account information to the server, and all other testing was done manually through the live site and a web browser.

**Section 2: Results of Individual Test Cases**

*Reference our TestPlan document from Phase 3 for the Template used below.*

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| ***Test Objective:***User Input Validation - No Blank Fields |
| ***Test Description:*** Try signup with all blank fields |
| ***Test Conditions:*** All input boxes were empty. |
| ***Results: PASS*** *-*The signup button does not work. |

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| ***Test Objective:***User Input Validation - Proper Email Address |
| ***Test Description:*** Enter an arbitrary string for the email address without the “@” symbol. |
| ***Test Conditions:*** Email Field: “helloworld” and all other fields blank. |
| ***Results: PASS -*** If users do not input xxx@xxx in the email field, a pop-up that says "Please include an '@' in the email address." |

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| ***Test Objective:***User Input Validation - Valid Inputs for Sign-Up |
| ***Test Description:*** Enter input into username sign-up field with at least one character |
| ***Test Conditions:*** Email: “[liquidsnake@gmail.com](mailto:liquidsnake@gmail.com)”  Username: “a”  Password: “1234” / “1234” |
| ***Results: PASS -*** Account is successfully created and stored to database. |

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| ***Test Objective:***User Input Validation - Valid Inputs for Sign-Up |
| ***Test Description:*** Enter input into password sign-up field with at least one character |
| ***Test Conditions:*** Email: “[liquidsnake@gmail.com](mailto:liquidsnake@gmail.com)”  Username: “Revolver\_Ocelot”  Password: “o” / “o” |
| ***Results: PASS* -** Account Created Successfully and stored to database. |

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| ***Test Objective:***User Input Validation - Valid Inputs for Sign-Up |
| ***Test Description:*** Test the input character limit (100 characters) for usernames as well as valid info in each input. |
| ***Test Conditions:*** Email: “[bigdaddy@hotmail.com](mailto:bigdaddy@hotmail.com)”  Username: “omgbigdaddieshavelittlesistersthatfollowthemaroundandstealcollectadamfromsplicersandstuffsometimesok”  Password: “bioshock”/ “bioshock” |
| ***Results: PASS -*** Account successfully created and stored to database. |

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| ***Test Objective:***User Input Validation - Valid Inputs for Sign-Up |
| ***Test Description:*** Test the input character limit (100 characters) for the password as well as valid info in each input. |
| ***Test Conditions:*** Email: “[1337h4x@yahoo.com](mailto:1337h4x@yahoo.com)”  Username: “2pro4u”  Password: “omgbigdaddieshavelittlesistersthatfollowthemaroundandstealcollectadamfromsplicersandstuffsometimesok” / “omgbigdaddieshavelittlesistersthatfollowthemaroundandstealcollectadamfromsplicersandstuffsometimesok” |
| ***Results: PASS -*** Account created successfully and stored to database. |

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| ***Test Objective:***User Input Validation - Valid Inputs for Sign-Up |
| ***Test Description:*** Using symbols for the username (ex: !@#$%^&) |
| ***Test Conditions:*** Email: “[comealive@outlook.com](mailto:comealive@outlook.com)”  Username “!@#$%^&\*()”  Password: “chromeo”/ “chromeo” |
| ***Results: PASS -*** Account successfully created and stored to database. |

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| ***Test Objective:***User Input Validation - Valid Inputs for Sign-Up |
| ***Test Description:*** Using symbols for the password (ex: !@#$%^&) |
| ***Test Conditions:*** Email: “[bastille@gmail.com](mailto:bastille@gmail.com)”  Username: “pompeii”  Password: “!@#$%^&\*()” / “!@#$%^&\*()” |
| ***Results: PASS -*** Account successfully created and stored to database. |

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| ***Test Objective:***User Input Validation - Valid Inputs for Sign-Up |
| ***Test Description:*** Input two passwords that do not match. |
| ***Test Conditions:*** Email: “[gambino@bellsouth.net](mailto:gambino@bellsouth.net)”  Username: “3005”  Password: “Heartbeat” / “telegraphave” |
| ***Results: PASS -*** Pop-up states that “Passwords are wrong” |

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| ***Test Objective:***User Input Validation - Valid Inputs for Sign-Up |
| ***Test Description:*** Use a space character as the password. |
| ***Test Conditions:*** Email: “[space@gmail.com](mailto:space@gmail.com)”  Username: “Space”  Password: “ “ / “ “ |
| ***Results: PASS -***  Account created successfully and stored to the database. |

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| ***Test Objective:***User Input Validation - Valid Environment for Sign-Up |
| ***Test Description:*** Create a valid account on iOS 7 through Google Chrome Browser |
| ***Test Conditions:*** Using an iPad 2 with iOS v7.0.4  Email: “[pleasework@yahoo.com](mailto:pleasework@yahoo.com)”  Username: “Pls”  Password: “suchpassword” / “suchpassword” |
| ***Results: PASS -*** Account created successfully and stored to database. |

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| ***Test Objective:***User Input Validation - Valid Environment for Sign-Up |
| ***Test Description:*** Create a valid account on an Android Device through Google Chrome |
| ***Test Conditions:*** Using a Nexus 7 with Android 4.4.2  Email: “[test123@gmail.com](mailto:test123@gmail.com)”  Username: “Handroid”  Password: “123” / “123” |
| ***Results: PASS -*** Account created successfully and stored to database. |

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| ***Test Objective:***User Input Validation - Valid Inputs for Sign-Up |
| ***Test Description:*** Users should not be able to sign up with a username that already exists. |
| ***Test Conditions:*** Email: “[op@gmail.com](mailto:op@gmail.com)”  Username: “ranger”  Password: “1234”/”1234”  Result : Account created and stored successfully.  Repeat the sign in with the same info. |
| ***Results: FAIL -*** Account created and stored successfully for the 2nd time, it should fail. |

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| ***Test Objective:***User Input Validation - Valid Inputs for Sign-Up |
| ***Test Description:*** Valid email address but the rest of the fields are left blank |
| ***Test Conditions:*** Email “helloworld@gmail.com” |
| ***Results: PASS -***  Pop-up that says “failing signup” |

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| ***Test Objective:***User Input Validation - Valid Inputs for Sign-Up |
| ***Test Description:*** Valid email and username but no password. |
| ***Test Conditions:*** Email: “[bemani@hotmail.com](mailto:bemani@hotmail.com)”  Username: 123456doit  Passwords: blank |
| ***Results: PASS -*** Pop-up that says “failing signup” |

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| ***Test Objective:***User Input Validation - Valid Inputs for Sign-Up |
| ***Test Description:*** Input a valid email and password but no username. |
| ***Test Conditions:*** Email: “[1234007@outlook.com](mailto:1234007@outlook.com)”  Username: blank  Password: “1234”/”1234” |
| ***Results: PASS -*** Pop-up that says “failing sign-up” |

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| ***Test Objective:***User Input Validation - Valid Inputs for Sign-Up |
| ***Test Description:*** Input a space character into each input field. |
| ***Test Conditions:*** A single space character inputted into each field. |
| ***Results: PASS -*** A pop-up stating “failing signup”. |

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| ***Test Objective:***User Input Validation - Valid Inputs for Sign-Up |
| ***Test Description:*** Input valid email address with all other input fields left as a space. |
| ***Test Conditions:*** Email: “[space@gmail.com](mailto:space@gmail.com)” and all others a single space character |
| ***Results: PASS -*** Pop-up that says “failing signup” |

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| **Test Objective:** Data Consistency |
| **Test Description:** Pull up information for a user’s tasks from the database and check the consistency across various platforms. The platforms include:  Mobile: Internet (Android 4.4 )  Safari (iOS 7.0.1)  Google Chrome 30+ (Android and iOS  Personal Computers: Mozilla Firefox 26+  Google Chrome 30+  Safari 6+  Internet Explorer 9+.  The users will consist of all group members testing their own tasks. |
| **Test Conditions:** We will check the data across Windows, Mac, and Linux Desktop Operating Systems as well as Android and iOS mobile Operating Systems. |
| **Results (Pass or Fail):**  Mobile: Internet: ***Pass***  Safari: ***Pass***  Google Chrome (Android/iOS): ***Pass/Pass***  Personal Computers:   Mozilla Firefox: ***Pass:*** 27.0.1 AND ***Fail***: 26.0, 27.0, 28.0  Chrome: ***Pass*** (all)  Safari: ***Pass*** (all)  Internet Explorer: ***Fail*** (all) |
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| **Test Objective:** Allowing Signed-in Users access to certain pages. |
| **Test Description:** Only allow users who are signed have access to the following pages:  [www.taskroulette.biz/login](http://www.taskroulette.biz/login)  [www.taskroulette.biz/home](http://www.taskroulette.biz/tasks)  [www.taskroulette.biz/list](http://www.taskroulette.biz/tasks) |
| **Test Conditions:** Sign in with a pre-existing account, such as:  username: a  password: 1234  and access the pages mentioned in the Test Description. |
| **Results: Accessing the following pages while signed in:**  [www.taskroulette.biz/login](http://www.taskroulette.biz/login) - ***Pass***  [www.taskroulette.biz/home](http://www.taskroulette.biz/tasks) - ***Pass***  [www.taskroulette.biz/list](http://www.taskroulette.biz/tasks) - ***Pass*** |

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| **Test Objective:** Redirect user to a “404” page if they try accessing a page that does not exist. |
| **Test Description:** Attempt to go to pages that do not exist. |
| **Test Conditions:** The user will sign in with a pre-existing account such as:  username: a  password: 1234  and try accessing pages that do not exist. For this test case we will use the following pages:  [www.taskroulettle.biz/thisfiledoesnotexist](http://www.taskroulettle.biz/doesthiswork)  [www.taskroulette.biz/abcd](http://www.taskroulette.biz/abcd)  [www.taskroulette.biz/donotgohere](http://www.taskroulette.biz/donotgohere)  The user should be brought to a page that says “Woah bro! What are you doing here?” with a button that redirects to the home page saying, “Go home!” |
| **Results:** [www.taskroulettle.biz/thisfiledoesnotexist](http://www.taskroulettle.biz/doesthiswork) - ***Pass***  [www.taskroulette.biz/abcd](http://www.taskroulette.biz/abcd) - ***Pass***  [www.taskroulette.biz/donotgohere](http://www.taskroulette.biz/donotgohere) - ***Pass*** |

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| **Test Objective:** Logging out |
| **Test Description:** A user who is logged in will attempt to log out of their account. When the user presses the logout button on any valid pages they will be redirected to: [www.taskroulette.biz/login](http://www.taskroulette.biz/login)  Valid pages while logged in include:  [www.taskroulette.biz/home](http://www.taskroulette.biz/tasks)  [www.taskroulette.biz/list](http://www.taskroulette.biz/tasks) |
| **Test Conditions:** The user will sign in with a pre-existing account such as:  username: a  password: 1234  The user will then press the logout button when signed in to both the home and list pages. |
| **Results:**  [www.taskroulette.biz/home - ***Pass***](http://www.taskroulette.biz/tasks)  [www.taskroulette.biz/list](http://www.taskroulette.biz/tasks) **- Pass** |

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| **Test Objective:** Add a Task |
| **Test Description:** Create a task on [www.taskroulette.biz/list](http://www.taskroulette.biz/tasks) using the “Add Task” button. |
| **Test Conditions:** The user will sign in with a pre-existing account such as:  username: a  password: 1234  The user will then add a task after clicking the “Add Task” button and use the following parameters:  Title: Create a Task  Category: School  Description: Create a Task for to test with.  Time: 3 |
| **Results:** Create a Test **- *Pass*** |

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| **Test Objective:** Add Four More Tasks |
| **Test Description:** Create four more tasks on [www.taskroulette.biz/list](http://www.taskroulette.biz/tasks) using the “Add Task” button. |
| **Test Conditions:** The user will sign in with a pre-existing account such as:  username: a  password: 1234  The user will then add four tasks after clicking the “Add Task” button and use the following parameters:  Title: Test 2  Category: School  Description: Test 2  Time: 10  Title: Test 3  Category: School  Description: Test 3  Time: 25  Title: Test 4  Category: School  Description: Test 4  Time: 56  Title: Test 5  Category: School  Description: Test 5  Time: 60 |
| **Results:**  Test 2 - ***Pass***  Test 3 - ***Pass***  Test 4 - ***Pass***  Test 5 - ***Pass*** |

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| **Test Objective:** Get Tasks that Fits Valid Parameters |
| **Test Description:** Get a task on [www.taskroulette.biz/list](http://www.taskroulette.biz/tasks) using the “Get Task” button. The user should input a time of 40 minutes. |
| **Test Conditions:** The user will sign in with a pre-existing account such as:  username: a  password: 1234  When the user is clicks “Get Task” they will be given the option to input the amount of time they wish to spend for a task. In this case the user will input 40 minutes. The following tasks should be available for the random: Create a Test, Test 2, Test 3. After the first test is given to the user, get another task by clicking the “Give me another task” button and make sure it is a different task. |
| **Results:** Get Task (40 minutes) - ***Pass***: Gives Create a Task  Get another task: ***Pass:*** Gives Test 3.  Get another Task: ***Pass***: Gives Create a Task  Get another Task: ***Pass***: Gives Create a Task  Get another Task: ***Pass***: Gives Test 2 |

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| **Test Objective:** Get Tasks that Does NOT Fit Valid Parameters |
| **Test Description:** Get a task on [www.taskroulette.biz/list](http://www.taskroulette.biz/tasks) using the “Get Task” button. The user should input a time of 1 minute. |
| **Test Conditions:** The user will sign in with a pre-existing account such as:  username: a  password: 1234  When the user is clicks “Get Task” they will be given the option to input the amount of time they wish to spend for a task. In this case the user will input 1 minute. Since the lowest time given from any of the tasks is “Create a Task” at 5 minutes a pop up that says “There are no tasks for that time bro” |
| **Results:** Get Task (1 minute): ***Pass -*** When the user clicks on the “Get Task” button the site issues a pop up that says, “There are no tasks for that time bro” |

**Section 3: Conclusion**

After testing extensively we’ve found that we were able to make a site that is a durable product that will not crash with ease. Our site handles all of the specification that we originally wanted from the site as specified in the Concepts Of Operations from Phase 1. We have each page functioning and believe that we have a product that is ready to be delivered. Because of this no further testing remains. Right now we have a functional system for: Sign-Up, Logging In, Adding a Task, Getting a Task, Viewing Your List of Tasks, Deleting a Task, and Logging Out. For the Sign-Up, you enter your account info including your email, username, and password; this will create an account in the database. Once created, you can log in with that account. For the tasks you are able to add a task to your list with information such as title, description, category, and estimated time to complete. Once added, it is stored in the database. The getting of a task takes in user input to specify the time they have available, and the site will check the database to see what tasks fit that have a required time less than or equal to that given. If there is such a task, the site randomly assigns one. The user also has the ability to view all of their tasks through the list page, where they can delete as task as well. A user can also log out on any page.

Moving forward there are functionalities of the site that we wanted to incorporate from the beginning which we would like to add in the future. One component would be to create a “smart” system. This system would learn how long you typically take on individual tasks or task categories and help you assign time better for that. An example of this would be if you have POOS homework and initially you say it takes you 30 minutes to complete but every time it actually takes you 60 minutes to complete, the system would ask you if you wanted to increase the task time. This would require us to have the user input how long that task took them to complete. Currently we have a category field in the tasks’ category we currently do not do anything with that and we would like to add some functionality with this such as being able to pull tasks from only that category. As we add those components we will continue testing even on portions of the site that were not directly changed.