## System Test Report

## Overview

*Explore the website under test (*[*https://ecommerce-playground.lambdatest.io/index.php?route=common/home*](https://ecommerce-playground.lambdatest.io/index.php?route=common/home)*), and on that basis, provide a brief summary of the website, e.g., high-level business goals, user roles, and features.*

## System Functions

*List the functions that you decide to test, with descriptions and Web locations (URL). The table below shows some examples for your reference.*

|  |  |  |
| --- | --- | --- |
| **Function ID** | **Function Name** | **Description and location** |
| *F1* | *User Login* | *A returning user can log in to the website using the registered email address and password via the login page.*  [*https://ecommerce-playground.lambdatest.io/index.php?route=account/login*](https://ecommerce-playground.lambdatest.io/index.php?route=account/login) |
| *F2* | *User Registration* | *User can register an account with a new email (which has not been registered in the website) and more personal details (full name, telephone) and password.*  [*https://ecommerce-playground.lambdatest.io/index.php?route=account/register*](https://ecommerce-playground.lambdatest.io/index.php?route=account/register) |
| *F3* |  |  |
| *F4* |  |  |
|  |  |  |
|  |  |  |

*Explain the dependencies between the functions that you decide to test. You may use a graph to illustrate the dependence relations between the functions under test if you want.*

## Test Team

*Provide the full names, email addresses, subject and tutorial codes of all your team members.*

*Describe roles and responsibilities of your group members. Make sure to cover all the functions listed in Section 2.*

*The table below shows an example for your reference.*

|  |  |  |  |
| --- | --- | --- | --- |
| **Student ID** | **Member Name** | **Role** | **Responsibilities (in terms of Function IDs/Names)** |
| *12345678* | *Jane Doe* | *Team Leader* | * *F1 User Login* * *F2 XXXX* * *F6 XXXXXXX* |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

*Indicate whether your group have already done (or wishes to do) an in-class presentation or submit a recorded presentation.*

* *For in-class presentation, please indicate which tutorial your group attended (or wishes to attend).*
* *For recorded presentation, please provide a Web link via which your marker can access your recording.*

## Task Schedule

*Describe the order in which you test different functions that you decide to test in Section 2 – either for the whole group, or for each member separately. Here, each function to be test is considered to be a* ***testing task****. This may be presented using a Gantt Chart.*

*Do your ordering of testing tasks support parallel testing among team members? If so, why? Otherwise, how can you improve the schedule to allow members conduct their testing tasks in parallel?*

*Make sure you test a function first before you proceed to test any function that is dependent on it. For example, you need to first the “User Registration” function and make sure it is working before you can test the “user login” function.*

*Make sure to cover all team members (see Section 3) and all functions (see Section 2).*

## Test Environments and Tools

*Describe your computing platforms (Arm, x86), operation systems (macOS, Linux, Windows), and how you set up your testing environments (programming languages, automation testing tools, libraries, code editors, IDEs) step by step.*

*If your group members used different environmental setups or tools, please introduce the different environments and tools separately for each member.*

## Test Cases

*Each group member should complete three test cases – each corresponding to a function to be tested (in Section 2).*

*The table below shows a sample template for a test case. You need one table for each test case.*

*If your tests have any source code, please provide the source code; if you used any prompts, describe them as well.*

*Examples of test scenarios/steps can be found on Page#20 or Page#25 of Tutorial 9 Slides, or features files (if you use the Gherkin language, e.g., Page#10 of Tutorial 10 slides).*

|  |  |
| --- | --- |
| **Test Case ID** | *Define a unique id for the test case (e.g., T001)* |
| **Function IDs/Names** | *Refer to the table in Section 2* |
| **Tester** | *Name of the team member who completed this test* |
| **Test Scenario / Steps** | | ***Step #*** | ***Test Action*** | | --- | --- | | *1* | *The action to be taken including user behaviour, the data to be entered and the URL.* | | *2* |  | | *3* |  | | *4* |  | | *5* |  | | *6* |  | | *7* |  | | *8* |  | | *9* |  | |  |  | |  |  | |  |  | |  |  | |  | *Add or reduce steps as you need.* | |
| **Test Results** | *Describe your test results and use screenshots (wherever possible) to demonstrate how your tests went and the results you got (pass, fail, error).* |

## Analysis and Reflections

*Provide some basic statistics of the tests conducted by your whole group: how many passed, failed, or errored. And list the defects have you identified from the website (if any).*

*Reflect on the tests you have conducted and identify the successes and failures in your group’s efforts.*

*Any lessons learned? How you do it differently on the system testing tasks if given a second chance?*