SIT302 Project

Test Results

Online Book Store



GROUP 6

YOUSEF NAIF A ALHARBI

NOHA JAMALI A SALEM

FAISAL ABDULLAH M BIN GHIMLAS

AHMED AL SHAMISI

ABDULLAH ALDOKHIIL

AVIRAJ KAMBOJ

JALAB JALBANI

# Table of Contents

[Table of Contents 2](#_Toc404826916)

[1.0 Introduction 3](#_Toc404826917)

[1.1 Document Purpose 3](#_Toc404826918)

[2.0 Testing Approach 3](#_Toc404826919)

[2.0 Testing results 3](#_Toc404826920)

[4.0 Test Results 3](#_Toc404826921)

[4.0 Recommendation 9](#_Toc404826922)

[5.0 References 9](#_Toc404826923)

# 1.0 Introduction

## 1.1 Document Purpose

The purpose of this document is to provide the comprehensive testing results from the formal testing results.

# 2.0 Testing Approach

The system has been developed using agile development methodology. Therefore, the approach to testing includes all of these elements of testing (Thomas 2008).

**Unit Testing** The unit testing has been the testing of each individual unit by writing code based unit tests. The unit tests have been performed by the programmers that are writing the system.

**Bash Testing** The bash testing of the system have been performed by the programmers. This was essentially an initial system test to remove majority of the work before the work was formally tested by the testers.

**Functional (System) Testing** This was the results of the formal testing results from the testing. The results of the functional testing are presented in this document.

**User Acceptance Testing** The user acceptance testing has been in the form of product demonstrations to the users of the system (in this case, the project coordinator assigned to the team’s project) (O’Neill 1997).

# 2.0 Testing results

|  |  |
| --- | --- |
| **Parameters** | **Description** |
| Number of test cases | 79 |
| Test results passed | 72 |
| No of requirements not completed | 7 |
| No of test results failed | 0 |

# 4.0 Test Results

The below table summarizes the test cases that have been executed to perform the system testing on the functionality that was delivered using each sprint.

| **Requirement Description** | **Test Case Description** | **Expected Result** | **Test case result** |
| --- | --- | --- | --- |
| FR\_UA\_1 The users should be able to register for a normal user account | The user registers successfully (all mandatory fields are provided, the user name does not exist already) | The user is created  The user is set to active  The shopping cart is not reset. | Passed  (Note the user active/inactive functionality was descoped by the team) |
|  | The mandatory fields are not supplied. | The user gets an appropriate message that mandatory field(s) have not been supplied. | Passed |
|  | The user name (email) already exists. | The user gets an appropriate message that they should use a different user name (email address). | Passed |
| FR\_UA\_2 The user should be able to login to the account | The user supplies correct id and password, and the user is active in the database. | The user is logged in successfully and returned to the page where the user started the registration process. | Passed |
|  | The user supplies invalid id and/or password. | The user gets an appropriate error message. | Passed |
|  | The user supplies valid user id and password but the account is inactive in the database. | The user gets a message to say that the account is inactive and they should contact the administrator to have the account enabled again. | Passed |
| FR\_UA\_3 The user should be able to retrieve a forgotten password | The user enters the email address that is valid and exists in the database, and the user account is active. | The user is emailed the password. | Passed (The test was that the user is displayed the password on the screen since the team did not have access to an e-mail server) |
|  | The user account is inactive. | The user is informed that their account is inactive. | Passed  (The functionality was not delivered by the team. It was descoped) |
|  | The user account id is invalid. | The user is informed that the account does not exist. | Passed |
| FR\_UA\_4 The user should be able to change their password | The user is not logged in. | The user is informed that they must login first. | Passed |
|  | The current password is invalid. | The user is informed that the current password is invalid. | Passed |
|  | The new password and re-type password are not the same. | The user is informed that the new password and re-type password are not the same. | Passed |
|  | The new password and re-type password are the same. | The password is changed successfully. The user is still logged in. | Passed |
| FR\_UA\_5 The user should be able to delete their account | The user selects to delete the account. | The user account is deleted along with all orders and past history.  The user is sent an email confirming the deletion of an account.  The user is logged out immediately after deleting an account. | Passed  (The functionality was not delivered by the team. It was descoped) |
| FR\_UA\_6 The user should be able to update their profile information | The user supplies all the mandatory fields. | The user profile details are successfully updated. | Passed |
|  | The user does not supply all the mandatory fields. | The profile is not updated. | Passed |
| FR\_ST\_1 The user should be able to view any static content on the website. | The user selects the page. | The content is viewable. | Passed |
| FR\_PS\_1 The user should be able to search for products. | The user has not entered at least one criterion. | A message is displayed that at least one criterion must be entered. | Passed |
|  | The user has entered a combination of criteria. | All matching products are returned. | Passed |
|  | The user has entered search criteria but there are no matching products. | The user is displayed a message that there are no matching products. | Passed |
| FR\_PS\_2 The user should be able to see the product details. | The user can click a product to see the details of the product. | The product details are displayed. All calculations for the product details are correct. | Passed  Passed |
| FR\_SC\_1 Add new products to shopping cart | The product is not in stock. | The user cannot add the product into the stock. | Passed |
|  | The product is in the stock. | The product is added to the cart and the cart total is adjusted properly. | Passed |
|  | The product is in the cart already. | The quantity for the product is incremented by 1. | Passed |
| FR\_SC\_2 Delete products from shopping cart | Delete a product from the shopping cart. | The whole quantity of the product is deleted from the stock.  The cart total is updated accordingly. | Passed |
| FR\_SC\_3 View the current shopping cart | The user can view the current shopping cart’s details. | The user can view the details of the shopping cart.  The quantities are displayed that are editable.  The prices for line items are correct.  The total of the cart includes sum of the line items and the GSP. | Passed |
| FR\_SC\_4 Update quantity of products in shopping cart | The quantity is less than 0. | The quantity is not updated. | Passed |
|  | The quantity is 0. | The item is deleted from the shopping cart. | Passed |
|  | The quantity is >=1. There is not enough stock. | The shopping cart cannot be updated. | Passed |
|  | The quantity is >=1. There is enough stock. | The shopping cart totals are updated accordingly. | Passed |
| FR\_SC\_5 Empty shopping cart | The shopping cart is emptied. | The shopping cart is displayed as empty. | Passed |
| FR\_SC\_6 Checkout the shopping cart | There are no items in the shopping cart. | The user cannot proceed to the checkout page. | Passed |
|  | There are some items in the shopping cart. | The user proceeds to the checkout page. | Passed |
|  | The user does not enter all of the required information. | The appropriate information should be displayed informing the user which fields are not displayed. | Passed |
|  | The user enters all of the required information. | A checkout confirmation is displayed.  The order details are stored in the order history.  An invoice is generated and presented to the user. | Passed |
| FR\_SC\_7 Empty the shopping cart when it has been checked out | The user has checked out the shopping cart. | The shopping cart is emptied. The user can start creating a new shopping cart. | Passed |
| FR\_UM\_1 The administrator should be able to add/delete/update user accounts. | The administrator has all of the required fields to create a new user. The new user’s id doesn’t exist. | The new user is added and is marked as status of active. | Passed |
|  | The administrator has not entered all of the fields. | An appropriate message is displayed informing the user that all fields have not been entered. | Passed |
|  | The administrator deletes an account. | All details including order history for the account are deleted.  A confirmation email is sent once the account has been deleted. | Passed  (The functionality was not delivered by the team. It was descoped) |
| FR\_UM\_2 The user should be able to activate or inactive user accounts. | The administrator inactive the user account. | The user cannot login any more. | Passed  (The functionality was not delivered by the team. It was descoped) |
|  | The administrator activates the user account. | The user can login again. | Passed |
| FR\_OH\_1 The user should be able to see the history of past orders. | There are past order. View order history. | The user can view the past orders. | Passed |
| FR\_OH\_2 The user should be able to create an invoice from the past history of orders. | There are past orders. The user can generate an invoice from any past order. | The invoice is generated successfully. | Passed |
| FR\_CM\_1 The administrator should be able to add new items. | The administrator has entered all fields for a new item. The item code is unique. | The product is added successfully. | Passed |
|  | The administrator has not entered all of the required fields. | A message is displayed that the product could not be added. | Passed |
| FR\_CM\_2 The administrator should be able to delete items. | An item that has never been ordered is selected for deletion. | The item is deleted successfully. | Passed |
|  | An item that has been ordered in the past is selected for deletion. | The item is not deleted. An informative error message is displayed. | Passed |
| FR\_CM\_3 The administrator can update the details of a product. | The product details are entered correctly. | The product details are updated successfully in the database. | Passed |
|  | Mandatory product details are not supplied. | The product details are not updated. | Passed |
| FR\_SM\_1 Manage stock levels. | The stock level is entered correctly (>=0) | The stock level is updated successfully. | Passed |
|  | The stock level is incorrect (<0) | The stock level is not updated. An appropriate error message is displayed to the user. | Passed |

# 4.0 Recommendation

The project team has delivered 93% of the initial scope and there are no known bugs in the system The 7% functionality (based on number of test cases) has been descoped by the team in agreement with the product owner. Therefore, the recommendation is that the team should go ahead with the deployment.

# 5.0 References

Thomas, S (2008). Scoping in Agile Projects, viewed on 10 December 2014 at <http://itsadeliverything.com/agile-project-scope>

O’Neill, D (1997). What Happens When You Don’t Have A Test Plan? The Independent Software Testing Specialist, viewed on 24 December 2014 at <http://www.ivvaust.com.au/downloads/TestPlanning.pdf>