Computer Information Systems

***CIS Digital Media Store***

**Test Document**

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**Date Submitted: June 25, 2014**

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# 1. INTRODUCTION

This document includes testing for 3 main parts of the Digital Media Store Web Application. The functions being tested are very important for the website to run. The first test is very basic, it just ensures that the program is launching correctly. The next two tests deal with more specific functions of the program. Here a user would create a new account and order which would test if the account and order are created successfully along with any database changes.

## 1.1 Purpose

The purpose of this Unit Test Document is to give users a way to test certain functionality of the Digital Media Store application. This just ensures that data is being stored and used correctly and that there are no major errors with the project.

## 1.2 Assumptions/Constraints

There are no real constraints or assumptions, the only assumptions would be that the proper environment is in place (ie. XAMPP, NetBeans, internet connection, etc.).

# 2. TEST CASE SUMMARY

| # | **Test Cases** | **Passed (Yes/No)** | **Decision on Failed Test Cases** |
| --- | --- | --- | --- |
| 1 | Launching application | Yes |  |
| 2 | Creating a new user | Yes |  |
| 3 | Creating a new order | Yes |  |
|  |  |  |  |

**Total Test Cases: 3 Total Failed: 0**

# APPENDIX A - TEST CASES

**TEST CASE #** 1

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Description:** The first test is to launch the application and hopefully be greeted with the welcome screen to ensure basic functioning. | | | | | | |
| **Requirements Tested:** This ensures that the program is at a functioning state. | | | | | | |
| **Test Case Setup:** There is no real set up for this particular test, basically launch the application, and hopefully see some text. | | | | | | |
| **Acceptance Criteria:** If you are greeted with the welcome screen, we have a pass. | | | | | | |
| **State:** (Pass) | | | | | | |
| **Issues/Comments:** No issues as the test worked, but if there was, there would need to be an examination of the code and see where the error exactly lies. | | | | | | |
| **Tested By: Ian Mori** | | **Date Tested:** June 25, 2014 | | |  | |
| **Test Case Details** | | | | | | |
| **Screen/ Field/Form** | **Action** | | **Data Value** | **Expected Result** | | **Actual Result** |
| Welcome page | The main page will try and display itself when the user starts the app. | | No data values needed at this point. | The welcome page should show up. | | The welcome page showed up as expected. |
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**TEST CASE #** 2

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| --- | --- | --- | --- | --- | --- | --- |
| **Description:** The next test is to create a user successfully. | | | | | | |
| **Requirements Tested:** This ensures that the program is at a functioning state and that a user is added correctly. | | | | | | |
| **Test Case Setup:** The set up here is just to submit a form with data to be processed. | | | | | | |
| **Acceptance Criteria:** If the account is created and you can sign in with the new account, the test is good. You would also want to check the database and ensure the customer table has a new entry. | | | | | | |
| **State:** (Pass) | | | | | | |
| **Issues/Comments:** No issues as the test worked, but if there was, there would need to be an examination of the code and see where the error exactly lies. With this test, you would want to start with the form fields and database. | | | | | | |
| **Tested By: Ian Mori** | | **Date Tested:** June 25, 2014 | | |  | |
| **Test Case Details** | | | | | | |
| **Screen/ Field/Form** | **Action** | | **Data Value** | **Expected Result** | | **Actual Result** |
| Create new account page | User enters form fields and submits them. | | Mainly string values that are being gathered and sent to the database. | The user should be able to create an account then login with it. | | The creating a new account function worked no problem. |
| Database | The customer table should be updated with a new user. | | This would use mainly strings for storing data. | The customer table should have one more entry in the database. | | The customer table has one more entry in the database. |
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**TEST CASE #** 3

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| --- | --- | --- | --- | --- | --- | --- |
| **Description:** The next test is to create an order successfully. | | | | | | |
| **Requirements Tested:** This ensures that the program is at a functioning state and that a user order is added correctly. This is very important as it would need to calculate the proper order totals/amounts, reduce quantity, and add to the customer balance. | | | | | | |
| **Test Case Setup:** The set up here is just to submit a form with data to be processed. Load the project, login, and create a new order. | | | | | | |
| **Acceptance Criteria:** If the order is created and you can view it in the account, the order is good. You would also want to check the database and ensure that the product table, customer table, order, and order line tables have all been updated by the order. | | | | | | |
| **State:** (Pass) | | | | | | |
| **Issues/Comments:** No issues as the test worked, but if there was, there would need to be an examination of the code and see where the error exactly lies. With this test, you would want to start with the form fields and database to look for errors. | | | | | | |
| **Tested By: Ian Mori** | | **Date Tested:** June 25, 2014 | | |  | |
| **Test Case Details** | | | | | | |
| **Screen/ Field/Form** | **Action** | | **Data Value** | **Expected Result** | | **Actual Result** |
| Create new order page | User enters form fields and submits them. | | Mainly string values that are being gathered and sent to the database. | The user should be able to create a new order and view it. | | The creating a new order function worked no problem. |
| Database | This takes the form fields entered and submits them to the database. | | This will take Strings and numerical data to submit to the database. | This should update the order, order line, customer, and product tables. | | The tables were updated properly with the data used in the form fields. |
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