Software Test Plan

**UMGC City Application**

Version 1.0

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**SWEN 670 Spring 2020**

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Version History

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| 1.0 | 3/13/2020 | Initial Version |
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# Introduction

This Software Test Plan (STP) describes the purpose, scope, approach, and resources of all testing activities that will be carried out for the UMGC City Application Version 1.0. The test plan will identify all the items and features to be tested, as well as the types of testing to be performed.

## Purpose

The purpose of this STP is to outline the overall approach and strategy for testing the software requirements as identified in the Software Requirements Specification (SRS) document that was approved by the stakeholders on March 13, 2020. The testing plan and procedures shall be focused on the map/web-based modules of UMGC City Application created by Team 1. The STP shall have the following objectives:

* Identify system information and the software/hardware that will be tested
* Describe the testing methods to be utilized
* Detail system requirements for the testing environment
* Identify test cases associated with the requirements in the SRS
* Discuss risks, assumptions, and constraints that may come up while testing

The main goal of testing as specified in this STP is to validate and verify that the map/web-based modules of the UMGC City Application successfully meets the customer’s stated requirements as detailed in the SRS. Various testing methods shall be utilized in accordance to a particular system to be as close to the target environment as possible. These include unit testing, integration testing, and functional testing. Heavy emphasis shall be placed on functional testing in order to demonstrate the functional capabilities of the map/web-based modules of UMGC City Application, ensuring that excellent working software is delivered at the end. In addition, to help testing stay on track, the traceability of software requirements to test cases shall be provided using the Requirements Traceability Matrix or RTM (see Section 2.3).

## Scope

## The scope of this STP is limited to specific software test cases necessary to verify that the map/web-based modules of UMGC City Application has met the software requirements as described in the project SRS. In particular, the STP serves as a technical blueprint for software developers and software testers (primary audiences), program managers, software requirements analysts, DevOps members, and other stakeholders (secondary audiences) who can carry out the test plan and procedures within this document. The goal of this STP is to generate project document artifacts like Software Test Report to show progress and ensure that the software is in accordance to the customer’s needs.

## Document Overview

This STP is organized into the four main sections as listed below. They constitute the overall testing approach for the map/web-based modules of UMGC City Application:

* Section 1. Introduction – describes and defines the overall purpose, scope, and approach of the Software Testing Plan.
* Section 2. Environment Requirements – specifies the test environment as it pertains to the test plan and procedures. Key hardware and software requirements as well as Requirements Traceability Matrix (RTM) for conducting software testing shall be defined here along with relevant risks, assumptions, and constraints.
* Section 3. Software Test Approach – explores various software testing methods, including unit testing, integration testing, and functional testing.
* Section 4. Software Test Cases – identifies all major test cases needed to ensure that all the project requirements as identified in the SRS have been met.

## Reference Material

A complete list of all documents and sources referenced in this Software Test Plan is detailed below.

* IEEE Standard for Software Project Management Plans. IEEE Std 1058.1-1987, 31 Aug. 1988. Accessed via <http://www.math.uaa.alaska.edu/~afkjm/cs401/IEEE830.pdf>
* Requirements Traceability Matrix – RTM. Accessed via https://project-management.com/requirements-traceability-matrix-rtm/
* SWEN 670 Capstone Project Guide. Accessed via https://learn.umuc.edu/d2l/le/content/444089/viewContent/16973490/View

## Definitions, Acronyms, and Abbreviations

Table 1 below gives the definitions for the acronyms and abbreviations related to this Software Test Plan of UMGC City Application.

*Table 1 – Definitions, Acronyms, and Abbreviations*

|  |  |
| --- | --- |
| Acronym/  Abbreviation | Definition |
| ChatBot | A computer program designed to simulate conversation with human users |
| CRUD | Create, Read, Update, and Delete |
| DevOps | Development Operations |
| GHz | Gigahertz |
| GUI | Graphical User Interface |
| IDE | Integrated Development Environment |
| IEEE | Institute of Electrical and Electronics Engineers |
| JDK | Java Development Kit |
| MB | Megabyte |
| OS | Operating System |
| SRS | Software Requirements Specification |
| STP | Software Test Plan |
| SWEN | Software Engineering |
| UMGC | University of Maryland Global Campus |
| RTM | Requirements Traceability Matrix |

# Environmental Requirements

This section specifies the test environment including the physical characteristics, hardware, software, and testing supplies required for conducting software testing.

## Hardware

* A desktop or laptop is required to carry out the testing of the application. The computer system should have a minimum of 4 Gb of RAM to run jUnit and Selenium IDE.
* A stable internet connection is required to connect to the web application.

## Software

The following applications are required to perform both unit and functional testing:

| **Software** | **Description** |
| --- | --- |
| Operating System | * Windows 7, Windows 8, Windows 8.1, or Windows 10 * OS X Yosemite 10.10 or later |
| Selenium IDE | Version 3.17 |
| jUnit | Version 5.5.1 |
| Java | Java 11, all releases |
| Google Chrome | Version 80 or later  Source:<https://www.google.com/chrome/?brand=CHBF&ds_kid=43700012290718061&gclid=CN6h39iEk-gCFVIAiAkdr9ULtA&gclsrc=ds> |
| JavaScript | JavaScript must be enabled on the browser. |

## Requirements Traceability Matrix

The Requirements Traceability Matrix or RTM is given here to link the software requirements described in the SRS of UMGC City Team 1 project to appropriate test cases listed in Section 4 of this STP. The goal is to help verify that all the customer’s requirements have been met. For easy reference, the RTM displays all project requirements and their associated test cases for the map/web-based modules of UMGC City Application seen in Table 2 below.

Table 2 - Requirements Matrix

| **ID** | **Requirement ID** | **Requirement Description** | **Test Case ID** | **Status/Comment** |
| --- | --- | --- | --- | --- |
| **1** | OE-1.1 | For increased accessibility, the application shall operate on a web server compatible with a common, modern browser. | TEST-DBA-001 | Pending Test |
| **2** | OE-2.1 | The application shall authenticate users using a secure validation process and Hypertext Transfer Protocol Secure (HTTPS) requests. | TEST-DBA-001, TEST-DBA-007 | Pending Test |
| **3** | OE-3.1 | The system shall be able to build, deploy and maintain a relational database to store city information | TEST-DBA-020 | Pending Test |
| **4** | REQ-1.1 | The home page of UMGC City Admin Portal system shall be accessible to the user via the following web URL: https://www.umgccity.com. | TEST-DBA-001 | Pending Test |
| **5** | REQ-1.2 | There shall be a consistent main navigation bar along the top of web pages to allow the user to quickly navigate within the application. | TEST-DBA-002, TEST-DBA-021 | Pending Test |
| **6** | REQ-1.3 | The UMGC City Admin Portal system shall provide a new user with the ability to sign up for an account by clicking on the “Sign-Up” button. | TEST-DBA-003 | Pending Test |
| **7** | REQ-1.4 | The UMGC City Admin Portal system shall allow a user to sign into his/her existing account by clicking on the “Sign-In” button. | TEST-DBA-004, TEST-DBA-005 | Pending Test |
| **8** | REQ-1.5 | The UMGC City Admin Portal system shall provide a user with a web page dedicated to providing help and support by clicking on the “Help” button. | TEST-DBA-006 | Pending Test |
| **9** | REQ-1.6 | The user shall be brought to the landing page once successfully logged into the system.  The system features of creating a new use case, editing existing use cases, and uploading a use case are now available. | TEST-DBA-007 | Pending Test |
| **10** | REQ-1.7 | The UMGC City Admin Portal system works by accepting data inputted by the user.  The user creates a use case for his/her city. The application shall map the use case to the appropriate city data. | TEST-DBA-017, TEST-DBA-020 | Pending Test |
| **11** | REQ-1.8 | The UMGC City Admin Portal system shall allow a user to manually add a new use case, edit existing use cases, and delete a use case from a list within the account.  In addition, the system shall allow the user to upload use cases from an external file using the “Upload Use Case” button. | TEST-DBA-008, TEST-DBA-009, TEST-DBA-010, TEST-DBA-011, TEST-DBA-016, TEST-DBA-018, TEST-DBA-019 | Pending Test |
| **12** | REQ-1.9 | The UMGC City Admin Portal system shall provide a user with a certain amount of memory storage space that is linked to his/her account.  The user can save the use cases and come back to them later. | TEST-DBA-020 | Pending Test |
| **13** | REQ-1.10 | The UMGC City Admin Portal system shall process the project data inputted by the user and generate proper output of static HTML page with appropriate DDL scripts using the “Generate Output” button. | TEST-DBA-012, TEST-DBA-013, TEST-DBA-014, TEST-DBA-015 | Pending Test |
| **14** | REQ-2.1 | When the user drags either scrollbar, the map image is moved within the containing window.  Scrolling is set to default Chrome settings. | TEST-MAP-001 | Pending Test |
| **15** | REQ-2.2 | When the user clicks on a zone within the map, a modal opens on top of the map to display specific information to the selected zone. The modal is designed using in-line JavaScript and custom CSS. | TEST-MAP-002 | Pending Test |
| **16** | REQ-2.3 | When the user clicks on the “Zone Information” link, the browser navigates to an external page on the Municode website that contains information that is relevant to the selected zone. | TEST-MAP-003 | Pending Test |
| **17** | REQ-2.4 | When the user clicks on any “Application” link, the browser navigates to an external page on the Municode website that contains the applications that are relevant to the selected zone. | TEST-MAP-004 | Pending Test |
| **18** | REQ-2.5 | When the user clicks on the “Quick Reference Page” link, the browser navigates to an internal page that contains information designed by the city officials.  The information on this page is retrieved from the database. | TEST-MAP-005 | Pending Test |
| **19** | REQ-2.6 | When the user clicks on the “Need Help?” icon, the ChatBot application opens on top of the map interface.  The ChatBot application is designed by UMGC City Team 2. | TEST-MAP- 006 | Pending Test |
| **20** | REQ-3.1 | The system shall direct the user to the “Quick Reference Page” | TEST-MAP-005 | Pending Test |
| **21** | REQ-4.1 | The system shall direct the user to the “Home Occupation” regulations page after the user clicks the regulation link. | TEST-SQL-001 | Pending Test |
| **22** | REQ-4.2 | The system shall direct the user to the “Home Occupation” application page after the user clicks the application link. | TEST-SQL-002 | Pending Test |
| **23** | REQ-5.1 | The system shall direct the user to the “Accessory Dwelling Unit” regulations page after the user clicks the regulations link. | TEST-SQL-003 | Pending Test |
| **24** | REQ-5.2 | The system shall direct the user to the “Accessory Dwelling Unit” application page after the user clicks the application link. | TEST-SQL-004 | Pending Test |
| **25** | REQ-6.1 | The system shall direct the user to the “Short Term Rental” regulations page after the user clicks the regulations link. | TEST-SQL-005 | Pending Test |
| **26** | REQ-6.2 | The system shall direct the user to the “Short Term Rental” application page after the user clicks the application link. | TEST-SQL-006 | Pending Test |
| **27** | REQ-7.1 | The system shall direct the user to the “Accessory Structure” regulations page after the user clicks the regulations link. | TEST-SQL-007 | Pending Test |
| **28** | REQ-7.2 | The system shall direct the user to the “Accessory Structure” application page after the user clicks the application link. | TEST-SQL-008 | Pending Test |
| **29** | REQ-8.1 | The system shall direct the user to the “Exterior Modifications in Landmark District” regulations page after the user clicks the regulations link. | TEST-SQL-009 | Pending Test |
| **30** | REQ-8.2 | The system shall direct the user to the “Exterior Modifications in Landmark District” application page after the user clicks the application link. | TEST-SQL-010 | Pending Test |
| **31** | REQ-9.1 | The system shall direct the user to the “Fence” regulations page after the user clicks the regulations link. | TEST-SQL-011 | Pending Test |
| **32** | REQ-9.2 | The system shall direct the user to the “Fence” application page after the user clicks the application link. | TEST-SQL-012 | Pending Test |
| **33** | REQ-10.1 | The system shall direct the user to the “Tree Removal (Residential)” regulations page after the user clicks the regulations link. | TEST-SQL-013 | Pending Test |
| **34** | REQ-10.2 | The system shall direct the user to the “Tree Removal (Residential)” application page after the user clicks the application link. | TEST-SQL-014 | Pending Test |
| **35** | REQ-11.1 | The system shall direct the user to the “Day-Care” regulations page after the user clicks the regulations link. | TEST-SQL-015 | Pending Test |
| **36** | REQ-11.2 | The system shall direct the user to the “Day-Care” application page after the user clicks the application link. | TEST-SQL-016 | Pending Test |
| **37** | REQ-12.1 | The system shall direct the user to the “Sober Living Facility” regulations page after the user clicks the regulations link. | TEST-SQL-017 | Pending Test |
| **38** | REQ-12.2 | The system shall direct the user to the “Sober Living Facility” application page after the user clicks the application link. | TEST-SQL-018 | Pending Test |
| **39** | SI-1.1 | The system shall interact with PostgreSQL RDBMS for all data transactions. |  | Pending Test |
| **40** | SI-2.1 | The system's server-side Java EE application shall interact with the system's client-side Angular web application. |  | Pending Test |
| **41** | SI-3.1 | The system’s client-side Angular application shall interact with the system’s server-side Java EE application. |  | Pending Test |
| **42** | SI-4.1 | The system’s client-side Angular application shall interact with the file storage system of the user’s device. |  | Pending Test |
| **43** | SI-5.1 | The system’s server-side Java EE application shall interact with a Python script to parse CSV data files. |  | Pending Test |
| **44** | SI-6.1 | The system shall interact with a Chatbot Java web application developed by UMGC City Team 2. |  | Pending Test |
| **45** | SI-7.1 | The system shall be able to build, deploy and maintain a relational database to store city information. |  | Pending Test |
| **46** | UI-1.1 | The UMGC City Admin Portal UI shall display a Home Page Screen. | TEST-DBA-001 | Pending Test |
| **47** | UI-1.2 | The UMGC City Admin Portal UI shall display a Sign-in Screen. | TEST-DBA-004, TEST-DBA-017 | Pending Test |
| **48** | UI-1.3 | The UMGC City Admin Portal UI shall display a Sign-Up for new users. | TEST-DBA-003, TEST-DBA-017 | Pending Test |
| **49** | UI-1.4 | The UMGC City Admin Portal UI shall display a Help Screen. | TEST-DBA-006, TEST-DBA-017 | Pending Test |
| **50** | UI-1.5 | The UMGC City Admin Portal UI shall display a Landing Page Screen to the user when the user inputs valid login credentials into Sign-in Screen. | TEST-DBA-007 | Pending Test |
| **51** | UI-1.6 | The UMGC City Admin Portal UI shall display the New Use Case Screen to the user when the user selects the “New Use Case” option. | TEST-DBA-008, TEST-DBA-020 | Pending Test |
| **52** | UI-1.7 | The UMGC City Admin Portal UI shall display the File Upload Screen to the user when the user selects the “File Upload” option. | TEST-DBA-009, TEST-DBA-018, TEST-DBA-019 | Pending Test |
| **53** | UI-1.8 | The UMGC City Admin Portal UI shall display the Manage Existing Use Case Screen to the user when the user selects the “Manage Existing Use Case” option.6.1.4 | TEST-DBA-010, TEST-DBA-016, TEST-DBA-020 | Pending Test |
| **54** | UI-1.9 | The UMGC City Admin Portal UI shall display the Delete Use Case Screen to the user when the user selects a use case and selects the “Delete Use Case” option. | TEST-DBA-011 | Pending Test |
| **55** | UI-1.10 | The UMGC City Admin Portal UI shall display the Export Project Screen to the user when the “Export Project” option is selected on the Manage Existing Use Case Screen. | TEST-DBA-012 | Pending Test |
| **56** | UI-1.11 | The UMGC City Admin Portal UI shall display the Generate Output Screen to the user when the “Generate output” option is selected on the Export Project Screen. | TEST-DBA-013 | Pending Test |
| **57** | UI-1.12 | The UMGC City Admin Portal UI shall display the Display Preview Screen to the user when the “Display Preview” option is selected on the Export Project Screen. | TEST-DBA-014 | Pending Test |
| **58** | UI-1.13 | The UMGC City Admin Portal UI shall display the Download Project Screen to the user when the “Download” option is selected on the Export Project Screen. | TEST-DBA-015 | Pending Test |

## 2.4 Risks, Assumptions, and Constraints

{Define risks, assumptions, and constraints as they pertain to the test plan, not the application}

# Software Test Approach

Software testing for the UMGC City Application incorporates several types of tests to verify that the software works correctly and satisfies requirements. The types of tests included in this plan are unit testing, integration testing, and functional testing.

## Unit Testing

Unit testing is a software testing methodology that evaluates the correctness of individual sub-components of the application. Unit testing helps to show that the code works as intended. The threshold level of unit testing for this project is 75% code coverage. Unit tests will be designed by the developers and will use white-box testing techniques.

Unit testing will be conducted manually by developers prior to commits being pushed to the git repository on GitHub. Unit testing will be executed before any functional and integration tests.

In this project, jUnit will be the testing framework used for unit testing. It is a Java-based testing framework that supports writing and executing unit tests for Java applications. We will be using jUnit version 5.5.1 released on July of 2019.

## Integration Testing

The purpose of integration testing is to ensure that software components work properly when used together. When making changes to the project source code, developers will execute integration tests after ensuring that all unit tests pass. Developers must ensure that integration tests pass prior to pushing commits to the GitHub repository to prevent breaking the build. Integration tests will be designed by the testers.

## Functional Testing

Functionality testing focuses on direct features of the application. The purpose of functionality testing is to ensure that each feature of the application does what it is intended to do. For this project, functional testing will utilize a black-box approach. The goal of these test cases is to determine if the actual output/action is the expected output/action.

Selenium, a free functional testing tool, will be used to test the features of the UMGC city application. The Selenium IDE is available as an add-on for Google Chrome to write and execute tests. The IDE offers recording and playback features that learn the tester’s steps and automate them for on-demand test execution.

# 4. Software Test Cases

This section documents each test case to be used in software testing. In all test cases, it is assumed that all environmental requirements identified in Section 2 have been met. Therefore, the prerequisites section of the test cases outlined below shall only identify previous test cases that must be run and passed before the current test case is executed.

## 4.1 Test Case 1

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TEST-DBA-001 | | | | **Test Module** | | Web Database Application | | |
| **Test Case Description** | | The home page of UMGC City Application is accessed via the web URL: https://www.umgccity.com | | | | **Test Priority** | | High | | |
| **Requirement ID** | | OE-1.1, OE-2.1, REQ-1.1, UI-1.1 | | | | **Test Method** | | Functional Testing | | |
| **Prerequisites** | | N/A | | | | **Assumptions/**  **Constraints** | | Internet access, working database server | | |
| **Test Execution Steps** | | | | | | | | | | |
| **Step #** | **Action** | | **Input** | **Expected Output** | **Actual Output** | | **Test Browser** | | **Test Result** | **Test Comment** |
| 1 | Launch web application. | | https://www.umgccity.com | Home page of UMGC City Application is loaded. | Pending | | Chrome | | Pending | Pending |
| 2 |  | |  |  |  | |  | |  |  |
| 3 |  | |  |  |  | |  | |  |  |

## 4.2 Test Case 2

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TEST-DBA-002 | | | | **Test Module** | | Web Database Application | | |
| **Test Case Description** | | There is a persistent navigation bar along the top of web pages within UMGC City Application. | | | | **Test Priority** | | High | | |
| **Requirement ID** | | REQ-1.2 | | | | **Test Method** | | Functional Testing | | |
| **Prerequisites** | | N/A | | | | **Assumptions/**  **Constraints** | | Internet access, working database server | | |
| **Test Execution Steps** | | | | | | | | | | |
| **Step #** | **Action** | | **Input** | **Expected Output** | **Actual Output** | | **Test Browser** | | **Test Result** | **Test Comment** |
| 1 | Navigate the web pages using the main navigation bar. | | Clicks on navigation buttons in the main navigation bar. | System brings the user to a new web page based on the selected navigation button. The main navigation bar stays persistent. | Pending | | Chrome | | Pending | Pending |
| 2 |  | |  |  |  | |  | |  |  |
| 3 |  | |  |  |  | |  | |  |  |

## 4.3 Test Case 3

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TEST-DBA-003 | | | | **Test Module** | | Web Database Application | | |
| **Test Case Description** | | There is a “Sign-Up” button that brings the user to a web page which allows new users to sign up for an account. | | | | **Test Priority** | | High | | |
| **Requirement ID** | | REQ-1.3, UI-1.3 | | | | **Test Method** | | Functional Testing | | |
| **Prerequisites** | | N/A | | | | **Assumptions/**  **Constraints** | | Internet access, working database server | | |
| **Test Execution Steps** | | | | | | | | | | |
| **Step #** | **Action** | | **Input** | **Expected Output** | **Actual Output** | | **Test Browser** | | **Test Result** | **Test Comment** |
| 1 | Navigate to the sign-up page. | | Click on the “Sign-Up” button. | System presents the user with the sign-up screen after the “Sign-Up” button is selected. | Pending | | Chrome | | Pending | Pending |
| 2 | Enter user information | | Enter the username, first name, last name, email, and password | System displays username, first name, last name, email, and password. | Pending | | Chrome | | Pending | Pending |
| 3 | Verify the email confirmation | | N/A | User receives a sign-up confirmation email | Pending | | Chrome | | Pending | Pending |

## 4.4 Test Case 4

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TEST-DBA-004 | | | | **Test Module** | | Web Database Application | | |
| **Test Case Description** | | There is a “Sign-In” button that brings the user to a web page which prompts the user to sign into the account. | | | | **Test Priority** | | High | | |
| **Requirement ID** | | REQ-1.4, UI-1.2 | | | | **Test Method** | | Functional Testing | | |
| **Prerequisites** | | N/A | | | | **Assumptions/**  **Constraints** | | Internet access, working database server | | |
| **Test Execution Steps** | | | | | | | | | | |
| **Step #** | **Action** | | **Input** | **Expected Output** | **Actual Output** | | **Test Browser** | | **Test Result** | **Test Comment** |
| 1 | Navigate to the sign-in page. | | Click on the “Sign-In” button. | System presents the user with the sign-in screen after the “Sign-In” button is selected. | Pending | | Chrome | | Pending | Pending |
| 2 |  | |  |  |  | |  | |  |  |
| 3 |  | |  |  |  | |  | |  |  |

## 4.5 Test Case 5

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TEST-DBA-005 | | | | **Test Module** | | Web Database Application | | |
| **Test Case Description** | | The “Sign-In” button is toggled to the “Sign-Out” button to let the user safely and easily log out of the system. | | | | **Test Priority** | | High | | |
| **Requirement ID** | | REQ-1.4 | | | | **Test Method** | | Functional Testing | | |
| **Prerequisites** | | TEST-DBA-007 (User must be logged in) | | | | **Assumptions/**  **Constraints** | | Internet access, working database server | | |
| **Test Execution Steps** | | | | | | | | | | |
| **Step #** | **Action** | | **Input** | **Expected Output** | **Actual Output** | | **Test Browser** | | **Test Result** | **Test Comment** |
| 1 | Successfully sign into the user account. | | Valid credentials (email address and password). | System toggles the “Sign-In” button to the “Sign-Out” button. | Pending | | Chrome | | Pending | Pending |
| 2 | Sign out of the system. | | Click on the “Sign-Out” button. | System safely logs the user out after the “Sign-Out” button is selected. | Pending | | Chrome | | Pending | Pending |
| 3 |  | |  |  |  | |  | |  |  |

## 4.6 Test Case 6

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TEST-DBA-006 | | | | **Test Module** | | Web Database Application | | |
| **Test Case Description** | | There is a “Help” button that brings the user to a web page which provides the user with help options. | | | | **Test Priority** | | High | | |
| **Requirement ID** | | REQ-1.5, UI-1.4 | | | | **Test Method** | | Functional Testing | | |
| **Prerequisites** | | N/A | | | | **Assumptions/**  **Constraints** | | Internet access, working database server | | |
| **Test Execution Steps** | | | | | | | | | | |
| **Step #** | **Action** | | **Input** | **Expected Output** | **Actual Output** | | **Test Browser** | | **Test Result** | **Test Comment** |
| 1 | Navigate to the help page. | | Click on the “Help” button. | System presents the user with the help screen after the “Help” button is selected. | Pending | | Chrome | | Pending | Pending |
| 2 |  | |  |  |  | |  | |  |  |
| 3 |  | |  |  |  | |  | |  |  |

## 4.7 Test Case 7

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TEST-DBA-007 | | | | **Test Module** | | Web Database Application | | |
| **Test Case Description** | | There is a landing page after the user successfully logged into the system. | | | | **Test Priority** | | High | | |
| **Requirement ID** | | OE-2.1, REQ-1.6, UI-1.5 | | | | **Test Method** | | Functional Testing | | |
| **Prerequisites** | | N/A | | | | **Assumptions/**  **Constraints** | | Internet access, working database server | | |
| **Test Execution Steps** | | | | | | | | | | |
| **Step #** | **Action** | | **Input** | **Expected Output** | **Actual Output** | | **Test Browser** | | **Test Result** | **Test Comment** |
| 1 | Sign into the user account. | | Valid credentials (email address and password). | System presents the user with the landing page after the log-in credentials are successfully validated. | Pending | | Chrome | | Pending | Pending |
| 2 |  | |  |  |  | |  | |  |  |
| 3 |  | |  |  |  | |  | |  |  |

## 4.8 Test Case 8

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TEST-DBA-008 | | | | **Test Module** | | Web Database Application | | |
| **Test Case Description** | | There is a “New Use Case” button that brings the user to a web page which allows the user to manually add a new use case. | | | | **Test Priority** | | High | | |
| **Requirement ID** | | REQ-1.8, UI-1.6 | | | | **Test Method** | | Functional Testing | | |
| **Prerequisites** | | TEST-DBA-007 (User must be logged in) | | | | **Assumptions/**  **Constraints** | | Internet access, working database server | | |
| **Test Execution Steps** | | | | | | | | | | |
| **Step #** | **Action** | | **Input** | **Expected Output** | **Actual Output** | | **Test Browser** | | **Test Result** | **Test Comment** |
| 1 | Navigate to the New Use Case screen. | | Click on the “New Use Case” button. | System presents the user with the New Use Case screen after the “New Use Case” button is selected. | Pending | | Chrome | | Pending | Pending |
| 2 |  | |  |  |  | |  | |  |  |
| 3 |  | |  |  |  | |  | |  |  |

## 4.9 Test Case 9

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TEST-DBA-009 | | | | **Test Module** | | Web Database Application | | |
| **Test Case Description** | | There is an “Upload Use Case” button that brings the user to a web page which allows the user to upload use cases from an external file. | | | | **Test Priority** | | High | | |
| **Requirement ID** | | REQ-1.8, UI-1.7 | | | | **Test Method** | | Functional Testing | | |
| **Prerequisites** | | TEST-DBA-007 (User must be logged in) | | | | **Assumptions/**  **Constraints** | | Internet access, working database server | | |
| **Test Execution Steps** | | | | | | | | | | |
| **Step #** | **Action** | | **Input** | **Expected Output** | **Actual Output** | | **Test Browser** | | **Test Result** | **Test Comment** |
| 1 | Navigate to the Upload Use Case screen. | | Click on the “Upload Use Case” button. | System presents the user with the Upload Use Case screen after the “Upload Use Case” button is selected. | Pending | | Chrome | | Pending | Pending |
| 2 |  | |  |  |  | |  | |  |  |
| 3 |  | |  |  |  | |  | |  |  |

## 4.10 Test Case 10

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TEST-DBA-010 | | | | **Test Module** | | Web Database Application | | |
| **Test Case Description** | | There is an “Existing Use Case” button that brings the user to a web page which allows the user to manage existing use cases. | | | | **Test Priority** | | High | | |
| **Requirement ID** | | REQ-1.8, UI-1.8 | | | | **Test Method** | | Functional Testing | | |
| **Prerequisites** | | TEST-DBA-007 (User must be logged in) | | | | **Assumptions/**  **Constraints** | | Internet access, working database server | | |
| **Test Execution Steps** | | | | | | | | | | |
| **Step #** | **Action** | | **Input** | **Expected Output** | **Actual Output** | | **Test Browser** | | **Test Result** | **Test Comment** |
| 1 | Navigate to the Existing Use Case screen. | | Click on the “Existing Use Case” button. | System presents the user with the Existing Use Case screen after the “Existing Use Case” button is selected. | Pending | | Chrome | | Pending | Pending |
| 2 |  | |  |  |  | |  | |  |  |
| 3 |  | |  |  |  | |  | |  |  |

## 4.11 Test Case 11

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TEST-DBA-011 | | | | **Test Module** | | Web Database Application | | |
| **Test Case Description** | | There is a “Delete” button that allows the user to delete a selected use case from a list after a confirmation. | | | | **Test Priority** | | High | | |
| **Requirement ID** | | REQ-1.8, UI-1.9 | | | | **Test Method** | | Functional Testing | | |
| **Prerequisites** | | TEST-DBA-007 (User must be logged in)  TEST-DBA-010 (User is on Existing Use Case screen) | | | | **Assumptions/**  **Constraints** | | Internet access, working database server | | |
| **Test Execution Steps** | | | | | | | | | | |
| **Step #** | **Action** | | **Input** | **Expected Output** | **Actual Output** | | **Test Browser** | | **Test Result** | **Test Comment** |
| 1 | Select a use case from the list. | | Click on a use case. | System highlights the user selection of the use case. | Pending | | Chrome | | Pending | Pending |
| 2 | Delete the use case. | | Click on the “Delete” button. | System shall prompt the user to confirm the deletion of the selected use case from the list. | Pending | | Chrome | | Pending | Pending |
| 3 |  | |  |  |  | |  | |  |  |

## 4.12 Test Case 12

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TEST-DBA-012 | | | | **Test Module** | | Web Database Application | | |
| **Test Case Description** | | There is a “Project Export” button that brings the user to a web page which allows the user to export the current project. | | | | **Test Priority** | | High | | |
| **Requirement ID** | | REQ-1.10, UI-1.10 | | | | **Test Method** | | Functional Testing | | |
| **Prerequisites** | | TEST-DBA-007 (User must be logged in)  TEST-DBA-010 (User is on Existing Use Case screen) | | | | **Assumptions/**  **Constraints** | | Internet access, working database server | | |
| **Test Execution Steps** | | | | | | | | | | |
| **Step #** | **Action** | | **Input** | **Expected Output** | **Actual Output** | | **Test Browser** | | **Test Result** | **Test Comment** |
| 1 | Navigate to Project Export screen. | | Click on the “Project Export” button. | System presents the user with the Project Export screen after the “Project Export” button is selected. | Pending | | Chrome | | Pending | Pending |
| 2 |  | |  |  |  | |  | |  |  |
| 3 |  | |  |  |  | |  | |  |  |

## 4.13 Test Case 13

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TEST-DBA-013 | | | | **Test Module** | | Web Database Application | | |
| **Test Case Description** | | There is a “Generate Output” button that the user can select to generate system output to export the project file. | | | | **Test Priority** | | High | | |
| **Requirement ID** | | REQ-1.10, UI-1.11 | | | | **Test Method** | | Functional Testing | | |
| **Prerequisites** | | TEST-DBA-007 (User must be logged in)  TEST-DBA-012 (User is on Project Export screen) | | | | **Assumptions/**  **Constraints** | | Internet access, working database server | | |
| **Test Execution Steps** | | | | | | | | | | |
| **Step #** | **Action** | | **Input** | **Expected Output** | **Actual Output** | | **Test Browser** | | **Test Result** | **Test Comment** |
| 1 | Generate new system output. | | Click on the “Generate Output” button. | System shall generate output of exporting the project file after the “Generate Output” button is selected. | Pending | | Chrome | | Pending | Pending |
| 2 | Observe the output progress. | | None | System shall display real-time progress of generating output. Once 100%, the system shall inform the user that the output is completed. | Pending | | Chrome | | Pending | Pending |
| 3 |  | |  |  |  | |  | |  |  |

## 4.14 Test Case 14

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TEST-DBA-014 | | | | **Test Module** | | Web Database Application | | |
| **Test Case Description** | | There is a “Preview” button that the user can select to generate system output to export the project file. | | | | **Test Priority** | | High | | |
| **Requirement ID** | | REQ-1.10, UI-1.12 | | | | **Test Method** | | Functional Testing | | |
| **Prerequisites** | | TEST-DBA-007 (User must be logged in)  TEST-DBA-012 (User is on Project Export screen)  TEST-DBA-013 (Output is generated) | | | | **Assumptions/**  **Constraints** | | Internet access, working database server | | |
| **Test Execution Steps** | | | | | | | | | | |
| **Step #** | **Action** | | **Input** | **Expected Output** | **Actual Output** | | **Test Browser** | | **Test Result** | **Test Comment** |
| 1 | Preview the system output. | | Click on the “Preview” button. | System shall open up a new window that contains a display preview of project output after the “Preview” button is selected. | Pending | | Chrome | | Pending | Pending |
| 2 |  | |  |  |  | |  | |  |  |
| 3 |  | |  |  |  | |  | |  |  |

## 4.15 Test Case 15

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TEST-DBA-015 | | | | **Test Module** | | Web Database Application | | |
| **Test Case Description** | | There is a “Download” button that the user can select to download the project output to a desired file directory. | | | | **Test Priority** | | High | | |
| **Requirement ID** | | REQ-1.10, UI-1.13 | | | | **Test Method** | | Functional Testing | | |
| **Prerequisites** | | TEST-DBA-007 (User must be logged in)  TEST-DBA-012 (User is on Project Export screen)  TEST-DBA-013 (Output is generated) | | | | **Assumptions/**  **Constraints** | | Internet access, working database server | | |
| **Test Execution Steps** | | | | | | | | | | |
| **Step #** | **Action** | | **Input** | **Expected Output** | **Actual Output** | | **Test Browser** | | **Test Result** | **Test Comment** |
| 1 | Download the project output. | | Click on the “Download” button. | System shall open up a file directory window after the “Download” button is selected. | Pending | | Chrome | | Pending | Pending |
| 2 | Confirm the file location and download. | | Specify the file directory. | Project output is successfully exported to the chosen file directory. | Pending | | Chrome | | Pending | Pending |
| 3 |  | |  |  |  | |  | |  |  |

## 4.16 Test Case 16

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TEST-DBA-016 | | | | **Test Module** | | Web Database Application | | |
| **Test Case Description** | | There is a “Edit” button that allows the user to edit a selected use case from a list within the account. | | | | **Test Priority** | | High | | |
| **Requirement ID** | | REQ-1.8, UI-1.8 | | | | **Test Method** | | Functional Testing | | |
| **Prerequisites** | | TEST-DBA-007 (User must be logged in)  TEST-DBA-010 (User is on Existing Use Case screen) | | | | **Assumptions/**  **Constraints** | | Internet access, working database server | | |
| **Test Execution Steps** | | | | | | | | | | |
| **Step #** | **Action** | | **Input** | **Expected Output** | **Actual Output** | | **Test Browser** | | **Test Result** | **Test Comment** |
| 1 | Select a use case from the list. | | Click on a use case. | System highlights the user selection of the use case. | Pending | | Chrome | | Pending | Pending |
| 2 | Edit the use case. | | Click on the “Edit” button. | System presents the user with the Edit Use Case screen after the “Edit” button is selected. | Pending | | Chrome | | Pending | Pending |
| 3 |  | |  |  |  | |  | |  |  |

## 4.17 Test Case 17

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TEST-DBA-017 | | | | **Test Module** | | Web Database Application | | |
| **Test Case Description** | | There is a “Submit” button that allows the user data input to be submitted to the system for processing. | | | | **Test Priority** | | High | | |
| **Requirement ID** | | REQ-1.7, UI-1.2, UI-1.3, UI-1.4 | | | | **Test Method** | | Functional Testing | | |
| **Prerequisites** | | N/A | | | | **Assumptions/**  **Constraints** | | Internet access, working database server | | |
| **Test Execution Steps** | | | | | | | | | | |
| **Step #** | **Action** | | **Input** | **Expected Output** | **Actual Output** | | **Test Browser** | | **Test Result** | **Test Comment** |
| 1 | Submit data to the system. | | Click on the “Submit” button. | System accepts the user data input, processes it, and returns appropriate response. | Pending | | Chrome | | Pending | Pending |
| 2 |  | |  |  |  | |  | |  |  |
| 3 |  | |  |  |  | |  | |  |  |

## 4.18 Test Case 18

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TEST-DBA-018 | | | | **Test Module** | | Web Database Application | | |
| **Test Case Description** | | There is a “Browse” button that the user can select to browse the file directory for an external file to be uploaded. | | | | **Test Priority** | | High | | |
| **Requirement ID** | | REQ-1.8, UI-1.7 | | | | **Test Method** | | Functional Testing | | |
| **Prerequisites** | | TEST-DBA-007 (User must be logged in)  TEST-DBA-009 (User is on Upload Use Case screen) | | | | **Assumptions/**  **Constraints** | | Internet access, working database server | | |
| **Test Execution Steps** | | | | | | | | | | |
| **Step #** | **Action** | | **Input** | **Expected Output** | **Actual Output** | | **Test Browser** | | **Test Result** | **Test Comment** |
| 1 | Browse for an external file to be uploaded. | | Click on the “Browse” button. | System shall open up a file directory window after the “Browse” button is selected. | Pending | | Chrome | | Pending | Pending |
| 2 | Confirm the file location. | | Specify the file directory. | An external file is located within the file directory to be uploaded. | Pending | | Chrome | | Pending | Pending |
| 3 |  | |  |  |  | |  | |  |  |

## 4.19 Test Case 19

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TEST-DBA-019 | | | | **Test Module** | | Web Database Application | | |
| **Test Case Description** | | There is an “Upload” button that the user can select to upload use cases via the external file. | | | | **Test Priority** | | High | | |
| **Requirement ID** | | REQ-1.8, UI-1.7 | | | | **Test Method** | | Functional Testing | | |
| **Prerequisites** | | TEST-DBA-007 (User must be logged in)  TEST-DBA-009 (User is on Upload Use Case screen)  TEST-DBA-018 (External file is located) | | | | **Assumptions/**  **Constraints** | | Internet access, working database server | | |
| **Test Execution Steps** | | | | | | | | | | |
| **Step #** | **Action** | | **Input** | **Expected Output** | **Actual Output** | | **Test Browser** | | **Test Result** | **Test Comment** |
| 1 | Upload use cases from the external file. | | Click on the “Upload” button. | Once the “Upload” button is selected, the system shall verify the external file to see whether or not use cases can be extracted for use. | Pending | | Chrome | | Pending | Pending |
| 2 |  | |  |  |  | |  | |  |  |
| 3 |  | |  |  |  | |  | |  |  |

## 4.20 Test Case 20

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TEST-DBA-020 | | | | **Test Module** | | Web Database Application | | |
| **Test Case Description** | | There is a “Save” button that the user can select to save the current use case data to the system using relational database. | | | | **Test Priority** | | High | | |
| **Requirement ID** | | OE-3.1, REQ-1.7, REQ-1.9, UI-1.6, UI-1.8 | | | | **Test Method** | | Functional Testing | | |
| **Prerequisites** | | TEST-DBA-007 (User must be logged in)  [TEST-DBA-008 (User is on New Use Case screen) OR  TEST-DBA-016 (User is on Edit Use Case screen)] | | | | **Assumptions/**  **Constraints** | | Internet access, working database server | | |
| **Test Execution Steps** | | | | | | | | | | |
| **Step #** | **Action** | | **Input** | **Expected Output** | **Actual Output** | | **Test Browser** | | **Test Result** | **Test Comment** |
| 1 | Save the current progress on a use case. | | Click on the “Save” button. | System shall save the current use case data to the user account after the “Save” button is selected. | Pending | | Chrome | | Pending | Pending |
| 2 |  | |  |  |  | |  | |  |  |
| 3 |  | |  |  |  | |  | |  |  |

## 4.21 Test Case 21

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TEST-DBA-021 | | | | **Test Module** | | Web Database Application | | |
| **Test Case Description** | | There is a “Back” button that the user can select to go back to the previous screen the user is on. | | | | **Test Priority** | | High | | |
| **Requirement ID** | | REQ-1.2 | | | | **Test Method** | | Functional Testing | | |
| **Prerequisites** | | TEST-DBA-007 (User must be logged in) | | | | **Assumptions/**  **Constraints** | | Internet access, working database server | | |
| **Test Execution Steps** | | | | | | | | | | |
| **Step #** | **Action** | | **Input** | **Expected Output** | **Actual Output** | | **Test Browser** | | **Test Result** | **Test Comment** |
| 1 | Navigate back to the previous screen | | Click on the “Back” button. | Once the “Back” button is selected, the system shall bring the user back to the previous screen. | Pending | | Chrome | | Pending | Pending |
| 2 |  | |  |  |  | |  | |  |  |
| 3 |  | |  |  |  | |  | |  |  |

## 4.22 Test Case 22

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TEST-MAP-001 | | | | **Test Module** | | Interactive Map | | |
| **Test Case Description** | | There are window scrollbars that the user can use to scroll and adjust the location of the map image. | | | | **Test Priority** | | High | | |
| **Requirement ID** | | REQ-2.1 | | | | **Test Method** | | Functional Testing | | |
| **Prerequisites** | | N/A | | | | **Assumptions/**  **Constraints** | | Working Chrome browser | | |
| **Test Execution Steps** | | | | | | | | | | |
| **Step #** | **Action** | | **Input** | **Expected Output** | **Actual Output** | | **Test Browser** | | **Test Result** | **Test Comment** |
| 1 | Navigate the map image using the scrollbars. | | Scrollbar adjustments using mouse or keyboard actions. | When the user drags the scrollbars up, down, left, or right, the map image is moved within the containing window accordingly. | Pending | | Chrome | | Pending | Pending |
| 2 |  | |  |  |  | |  | |  |  |
| 3 |  | |  |  |  | |  | |  |  |

## 4.23 Test Case 23

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TEST-MAP-002 | | | | **Test Module** | | Interactive Map | | |
| **Test Case Description** | | There are zones within the map image that the user can click on to open up an informational modal. | | | | **Test Priority** | | High | | |
| **Requirement ID** | | REQ-2.2 | | | | **Test Method** | | Functional Testing | | |
| **Prerequisites** | | N/A | | | | **Assumptions/**  **Constraints** | | Internet access, responsive map image, working database server | | |
| **Test Execution Steps** | | | | | | | | | | |
| **Step #** | **Action** | | **Input** | **Expected Output** | **Actual Output** | | **Test Browser** | | **Test Result** | **Test Comment** |
| 1 | Select a zone within the map image. | | Mouse click on an area within the map. | Once the user clicks on a zone, a modal opens on top of the map to display specific information to the selected zone. | Pending | | Chrome | | Pending | Pending |
| 2 |  | |  |  |  | |  | |  |  |
| 3 |  | |  |  |  | |  | |  |  |

## 4.24 Test Case 24

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TEST-MAP-003 | | | | **Test Module** | | Interactive Map/Database Query | | |
| **Test Case Description** | | There is a “Zone Information” link that the user can click on to navigate to an external page that contains information about the current selected zone. | | | | **Test Priority** | | High | | |
| **Requirement ID** | | REQ-2.3 | | | | **Test Method** | | Functional Testing | | |
| **Prerequisites** | | TEST-MAP-002 (User is on the informational modal) | | | | **Assumptions/**  **Constraints** | | Internet access, responsive map image, working database server | | |
| **Test Execution Steps** | | | | | | | | | | |
| **Step #** | **Action** | | **Input** | **Expected Output** | **Actual Output** | | **Test Browser** | | **Test Result** | **Test Comment** |
| 1 | Obtain more information about the selected zone. | | Click on the “Zone Information” link. | Once the user clicks on the “Zone Information” link, the browser navigates to an external page that contains information relevant to the selected zone. | Pending | | Chrome | | Pending | Pending |
| 2 |  | |  |  |  | |  | |  |  |
| 3 |  | |  |  |  | |  | |  |  |

## 4.25 Test Case 25

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TEST-MAP-004 | | | | **Test Module** | | Interactive Map/Database Query | | |
| **Test Case Description** | | There is an “Application” link that the user can click on to navigate to an external page that contains applications relevant to the selected zone. | | | | **Test Priority** | | High | | |
| **Requirement ID** | | REQ-2.4 | | | | **Test Method** | | Functional Testing | | |
| **Prerequisites** | | TEST-MAP-002 (User is on the informational modal) | | | | **Assumptions/**  **Constraints** | | Internet access, responsive map image, working database server | | |
| **Test Execution Steps** | | | | | | | | | | |
| **Step #** | **Action** | | **Input** | **Expected Output** | **Actual Output** | | **Test Browser** | | **Test Result** | **Test Comment** |
| 1 | Navigate to the applications relevant to the selected zone. | | Click on the “Application” link. | Once the user clicks on the “Application” link, the browser navigates to an external page that contains applications relevant to the selected zone. | Pending | | Chrome | | Pending | Pending |
| 2 |  | |  |  |  | |  | |  |  |
| 3 |  | |  |  |  | |  | |  |  |

## 4.26 Test Case 26

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TEST-MAP-005 | | | | **Test Module** | | Interactive Map/Database Query | | |
| **Test Case Description** | | There is a “Quick Reference Page” link that the user can click on to navigate to an internal page that contains information designed by the city officials. | | | | **Test Priority** | | High | | |
| **Requirement ID** | | REQ-2.5, REQ-3.1 | | | | **Test Method** | | Functional Testing | | |
| **Prerequisites** | | TEST-MAP-002 (User is on the informational modal) | | | | **Assumptions/**  **Constraints** | | Internet access, responsive map image, working database server | | |
| **Test Execution Steps** | | | | | | | | | | |
| **Step #** | **Action** | | **Input** | **Expected Output** | **Actual Output** | | **Test Browser** | | **Test Result** | **Test Comment** |
| 1 | Navigate to the “Quick Reference Page.” | | Click on the “Quick Reference Page” link. | Once the user clicks on the “Quick Reference Page” link, the browser navigates to an internal page that contains information designed by the city officials. | Pending | | Chrome | | Pending | Pending |
| 2 |  | |  |  |  | |  | |  |  |
| 3 |  | |  |  |  | |  | |  |  |

## 4.27 Test Case 27

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TEST-MAP- 006 | | | | **Test Module** | | Interactive Map/ChatBot | | |
| **Test Case Description** | | There is a “Need Help?” icon that the user can select to open up the ChatBot application. | | | | **Test Priority** | | High | | |
| **Requirement ID** | | REQ-2.6 | | | | **Test Method** | | Functional Testing | | |
| **Prerequisites** | | N/A | | | | **Assumptions/**  **Constraints** | | Internet access, responsive map image, integrated ChatBot | | |
| **Test Execution Steps** | | | | | | | | | | |
| **Step #** | **Action** | | **Input** | **Expected Output** | **Actual Output** | | **Test Browser** | | **Test Result** | **Test Comment** |
| 1 | Launch ChatBot. | | Click on the “Need Help?” icon. | When the user clicks on the “Need Help?” icon, the ChatBot application opens on top of the map interface. | Pending | | Chrome | | Pending | Pending |
| 2 |  | |  |  |  | |  | |  |  |
| 3 |  | |  |  |  | |  | |  |  |

## 4.28 Test Case 28

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TEST-SQL-001 | | | | **Test Module** | | Database Query | | |
| **Test Case Description** | | There is a “Home Occupation” link that the user can click on to navigate to an external page containing relevant regulations for home occupation use case. | | | | **Test Priority** | | High | | |
| **Requirement ID** | | REQ-4.1 | | | | **Test Method** | | Functional Testing | | |
| **Prerequisites** | | TEST-MAP-005 (User is on the Quick Reference Page) | | | | **Assumptions/**  **Constraints** | | Internet access, working database server | | |
| **Test Execution Steps** | | | | | | | | | | |
| **Step #** | **Action** | | **Input** | **Expected Output** | **Actual Output** | | **Test Browser** | | **Test Result** | **Test Comment** |
| 1 | Navigate to the “Home Occupation” regulation page. | | Click on the “Home Occupation” regulation link. | The system shall direct the user to the “Home Occupation” regulation page after the user clicks the regulation link. | Pending | | Chrome | | Pending | Pending |
| 2 |  | |  |  |  | |  | |  |  |
| 3 |  | |  |  |  | |  | |  |  |

## 4.29 Test Case 29

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TEST-SQL-002 | | | | **Test Module** | | Database Query | | |
| **Test Case Description** | | There is a “Home Occupation” link that the user can click on to navigate to an external page containing relevant applications for home occupation use case. | | | | **Test Priority** | | High | | |
| **Requirement ID** | | REQ-4.2 | | | | **Test Method** | | Functional Testing | | |
| **Prerequisites** | | TEST-MAP-005 (User is on the Quick Reference Page) | | | | **Assumptions/**  **Constraints** | | Internet access, working database server | | |
| **Test Execution Steps** | | | | | | | | | | |
| **Step #** | **Action** | | **Input** | **Expected Output** | **Actual Output** | | **Test Browser** | | **Test Result** | **Test Comment** |
| 1 | Navigate to the “Home Occupation” application page. | | Click on the “Home Occupation” application link. | The system shall direct the user to the “Home Occupation” application page after the user clicks the application link. | Pending | | Chrome | | Pending | Pending |
| 2 |  | |  |  |  | |  | |  |  |
| 3 |  | |  |  |  | |  | |  |  |

## 4.30 Test Case 30

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TEST-SQL-003 | | | | **Test Module** | | Database Query | | |
| **Test Case Description** | | There is an “Accessory Dwelling Unit” link that the user can click on to navigate to an external page containing relevant regulations for accessory dwelling unit use case. | | | | **Test Priority** | | High | | |
| **Requirement ID** | | REQ-5.1 | | | | **Test Method** | | Functional Testing | | |
| **Prerequisites** | | TEST-MAP-005 (User is on the Quick Reference Page) | | | | **Assumptions/**  **Constraints** | | Internet access, working database server | | |
| **Test Execution Steps** | | | | | | | | | | |
| **Step #** | **Action** | | **Input** | **Expected Output** | **Actual Output** | | **Test Browser** | | **Test Result** | **Test Comment** |
| 1 | Navigate to the “Accessory Dwelling Unit” regulation page. | | Click on the “Accessory Dwelling” regulation link. | The system shall direct the user to the “Accessory Dwelling Unit” regulation page after the user clicks the regulation link. | Pending | | Chrome | | Pending | Pending |
| 2 |  | |  |  |  | |  | |  |  |
| 3 |  | |  |  |  | |  | |  |  |

## 4.31 Test Case 31

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TEST-SQL-004 | | | | **Test Module** | | Database Query | | |
| **Test Case Description** | | There is an “Accessory Dwelling Unit” link that the user can click on to navigate to an external page containing relevant applications for accessory dwelling unit use case. | | | | **Test Priority** | | High | | |
| **Requirement ID** | | REQ-5.2 | | | | **Test Method** | | Functional Testing | | |
| **Prerequisites** | | TEST-MAP-005 (User is on the Quick Reference Page) | | | | **Assumptions/**  **Constraints** | | Internet access, working database server | | |
| **Test Execution Steps** | | | | | | | | | | |
| **Step #** | **Action** | | **Input** | **Expected Output** | **Actual Output** | | **Test Browser** | | **Test Result** | **Test Comment** |
| 1 | Navigate to the “Accessory Dwelling Unit” application page. | | Click on the “Accessory Dwelling Unit” application link. | The system shall direct the user to the “Accessory Dwelling Unit” application page after the user clicks the application link. | Pending | | Chrome | | Pending | Pending |
| 2 |  | |  |  |  | |  | |  |  |
| 3 |  | |  |  |  | |  | |  |  |

## 4.32 Test Case 32

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TEST-SQL-005 | | | | **Test Module** | | Database Query | | |
| **Test Case Description** | | There is a “Short Term Rental” link that the user can click on to navigate to an external page containing relevant regulations for short term rental use case. | | | | **Test Priority** | | High | | |
| **Requirement ID** | | REQ-6.1 | | | | **Test Method** | | Functional Testing | | |
| **Prerequisites** | | TEST-MAP-005 (User is on the Quick Reference Page) | | | | **Assumptions/**  **Constraints** | | Internet access, working database server | | |
| **Test Execution Steps** | | | | | | | | | | |
| **Step #** | **Action** | | **Input** | **Expected Output** | **Actual Output** | | **Test Browser** | | **Test Result** | **Test Comment** |
| 1 | Navigate to the “Short Term Rental” regulation page. | | Click on the “Short Term Rental” regulation link. | The system shall direct the user to the “Short Term Rental” regulation page after the user clicks the regulation link. | Pending | | Chrome | | Pending | Pending |
| 2 |  | |  |  |  | |  | |  |  |
| 3 |  | |  |  |  | |  | |  |  |

## 4.33 Test Case 33

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TEST-SQL-006 | | | | **Test Module** | | Database Query | | |
| **Test Case Description** | | There is a “Short Term Rental” link that the user can click on to navigate to an external page containing relevant applications for short term rental use case. | | | | **Test Priority** | | High | | |
| **Requirement ID** | | REQ-6.2 | | | | **Test Method** | | Functional Testing | | |
| **Prerequisites** | | TEST-MAP-005 (User is on the Quick Reference Page) | | | | **Assumptions/**  **Constraints** | | Internet access, working database server | | |
| **Test Execution Steps** | | | | | | | | | | |
| **Step #** | **Action** | | **Input** | **Expected Output** | **Actual Output** | | **Test Browser** | | **Test Result** | **Test Comment** |
| 1 | Navigate to the “Short Term Rental” application page. | | Click on the “Short Term Rental” application link. | The system shall direct the user to the “Short Term Rental” application page after the user clicks the application link. | Pending | | Chrome | | Pending | Pending |
| 2 |  | |  |  |  | |  | |  |  |
| 3 |  | |  |  |  | |  | |  |  |

## 4.34 Test Case 34

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TEST-SQL-007 | | | | **Test Module** | | Database Query | | |
| **Test Case Description** | | There is an “Accessory Structure” link that the user can click on to navigate to an external page containing relevant regulations for accessory structure use case. | | | | **Test Priority** | | High | | |
| **Requirement ID** | | REQ-7.1 | | | | **Test Method** | | Functional Testing | | |
| **Prerequisites** | | TEST-MAP-005 (User is on the Quick Reference Page) | | | | **Assumptions/**  **Constraints** | | Internet access, working database server | | |
| **Test Execution Steps** | | | | | | | | | | |
| **Step #** | **Action** | | **Input** | **Expected Output** | **Actual Output** | | **Test Browser** | | **Test Result** | **Test Comment** |
| 1 | Navigate to the “Accessory Structure” regulation page. | | Click on the “Accessory Structure” regulation link. | The system shall direct the user to the “Accessory Structure” regulation page after the user clicks the regulation link. | Pending | | Chrome | | Pending | Pending |
| 2 |  | |  |  |  | |  | |  |  |
| 3 |  | |  |  |  | |  | |  |  |

## 4.35 Test Case 35

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TEST-SQL-008 | | | | **Test Module** | | Database Query | | |
| **Test Case Description** | | There is an “Accessory Structure” link that the user can click on to navigate to an external page containing relevant applications for accessory structure use case. | | | | **Test Priority** | | High | | |
| **Requirement ID** | | REQ-7.2 | | | | **Test Method** | | Functional Testing | | |
| **Prerequisites** | | TEST-MAP-005 (User is on the Quick Reference Page) | | | | **Assumptions/**  **Constraints** | | Internet access, working database server | | |
| **Test Execution Steps** | | | | | | | | | | |
| **Step #** | **Action** | | **Input** | **Expected Output** | **Actual Output** | | **Test Browser** | | **Test Result** | **Test Comment** |
| 1 | Navigate to the “Accessory Structure” application page. | | Click on the “Accessory Structure” application link. | The system shall direct the user to the “Accessory Structure” application page after the user clicks the application link. | Pending | | Chrome | | Pending | Pending |
| 2 |  | |  |  |  | |  | |  |  |
| 3 |  | |  |  |  | |  | |  |  |

## 4.36 Test Case 36

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TEST-SQL-009 | | | | **Test Module** | | Database Query | | |
| **Test Case Description** | | There is an “Exterior Modifications in Landmark District” link that the user can click on to navigate to an external page containing relevant regulations for exterior modifications in landmark district use case. | | | | **Test Priority** | | High | | |
| **Requirement ID** | | REQ-8.1 | | | | **Test Method** | | Functional Testing | | |
| **Prerequisites** | | TEST-MAP-005 (User is on the Quick Reference Page) | | | | **Assumptions/**  **Constraints** | | Internet access, working database server | | |
| **Test Execution Steps** | | | | | | | | | | |
| **Step #** | **Action** | | **Input** | **Expected Output** | **Actual Output** | | **Test Browser** | | **Test Result** | **Test Comment** |
| 1 | Navigate to the “Exterior Modifications in Landmark District” regulation page. | | Click on the “Exterior Modifications in Landmark District” regulation link. | The system shall direct the user to the “Exterior Modifications in Landmark District” regulation page after the user clicks the regulation link. | Pending | | Chrome | | Pending | Pending |
| 2 |  | |  |  |  | |  | |  |  |
| 3 |  | |  |  |  | |  | |  |  |

## 4.37 Test Case 37

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TEST-SQL-010 | | | | **Test Module** | | Database Query | | |
| **Test Case Description** | | There is an “Exterior Modifications in Landmark District” link that the user can click on to navigate to an external page containing relevant applications for exterior modifications in landmark district use case. | | | | **Test Priority** | | High | | |
| **Requirement ID** | | REQ-8.2 | | | | **Test Method** | | Functional Testing | | |
| **Prerequisites** | | TEST-MAP-005 (User is on the Quick Reference Page) | | | | **Assumptions/**  **Constraints** | | Internet access, working database server | | |
| **Test Execution Steps** | | | | | | | | | | |
| **Step #** | **Action** | | **Input** | **Expected Output** | **Actual Output** | | **Test Browser** | | **Test Result** | **Test Comment** |
| 1 | Navigate to the “Exterior Modifications in Landmark District” application page. | | Click on the “Exterior Modifications in Landmark District” application link. | The system shall direct the user to the “Exterior Modifications in Landmark District” application page after the user clicks the application link. | Pending | | Chrome | | Pending | Pending |
| 2 |  | |  |  |  | |  | |  |  |
| 3 |  | |  |  |  | |  | |  |  |

## 4.38 Test Case 38

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TEST-SQL-011 | | | | **Test Module** | | Database Query | | |
| **Test Case Description** | | There is a “Fence” link that the user can click on to navigate to an external page containing relevant regulations for fence use case. | | | | **Test Priority** | | High | | |
| **Requirement ID** | | REQ-9.1 | | | | **Test Method** | | Functional Testing | | |
| **Prerequisites** | | TEST-MAP-005 (User is on the Quick Reference Page) | | | | **Assumptions/**  **Constraints** | | Internet access, working database server | | |
| **Test Execution Steps** | | | | | | | | | | |
| **Step #** | **Action** | | **Input** | **Expected Output** | **Actual Output** | | **Test Browser** | | **Test Result** | **Test Comment** |
| 1 | Navigate to the “Fence” regulation page. | | Click on the “Fence” regulation link. | The system shall direct the user to the “Fence” regulation page after the user clicks the regulation link. | Pending | | Chrome | | Pending | Pending |
| 2 |  | |  |  |  | |  | |  |  |
| 3 |  | |  |  |  | |  | |  |  |

## 4.39 Test Case 39

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TEST-SQL-012 | | | | **Test Module** | | Database Query | | |
| **Test Case Description** | | There is a “Fence” link that the user can click on to navigate to an external page containing relevant applications for fence use case. | | | | **Test Priority** | | High | | |
| **Requirement ID** | | REQ-9.2 | | | | **Test Method** | | Functional Testing | | |
| **Prerequisites** | | TEST-MAP-005 (User is on the Quick Reference Page) | | | | **Assumptions/**  **Constraints** | | Internet access, working database server | | |
| **Test Execution Steps** | | | | | | | | | | |
| **Step #** | **Action** | | **Input** | **Expected Output** | **Actual Output** | | **Test Browser** | | **Test Result** | **Test Comment** |
| 1 | Navigate to the “Fence” application page. | | Click on the “Fence” application link. | The system shall direct the user to the “Fence” application page after the user clicks the application link. | Pending | | Chrome | | Pending | Pending |
| 2 |  | |  |  |  | |  | |  |  |
| 3 |  | |  |  |  | |  | |  |  |

## 4.40 Test Case 40

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TEST-SQL-013 | | | | **Test Module** | | Database Query | | |
| **Test Case Description** | | There is a “Tree Removal (Residential)” link that the user can click on to navigate to an external page containing relevant regulations for tree removal (residential) use case. | | | | **Test Priority** | | High | | |
| **Requirement ID** | | REQ-10.1 | | | | **Test Method** | | Functional Testing | | |
| **Prerequisites** | | TEST-MAP-005 (User is on the Quick Reference Page) | | | | **Assumptions/**  **Constraints** | | Internet access, working database server | | |
| **Test Execution Steps** | | | | | | | | | | |
| **Step #** | **Action** | | **Input** | **Expected Output** | **Actual Output** | | **Test Browser** | | **Test Result** | **Test Comment** |
| 1 | Navigate to the “Tree Removal (Residential)” regulation page. | | Click on the “Tree Removal (Residential)” regulation link. | The system shall direct the user to the “Tree Removal (Residential)” regulation page after the user clicks the regulation link. | Pending | | Chrome | | Pending | Pending |
| 2 |  | |  |  |  | |  | |  |  |
| 3 |  | |  |  |  | |  | |  |  |

## 4.41 Test Case 41

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TEST-SQL-014 | | | | **Test Module** | | Database Query | | |
| **Test Case Description** | | There is a “Tree Removal (Residential)” link that the user can click on to navigate to an external page containing relevant applications for tree removal (residential) use case. | | | | **Test Priority** | | High | | |
| **Requirement ID** | | REQ-10.2 | | | | **Test Method** | | Functional Testing | | |
| **Prerequisites** | | TEST-MAP-005 (User is on the Quick Reference Page) | | | | **Assumptions/**  **Constraints** | | Internet access, working database server | | |
| **Test Execution Steps** | | | | | | | | | | |
| **Step #** | **Action** | | **Input** | **Expected Output** | **Actual Output** | | **Test Browser** | | **Test Result** | **Test Comment** |
| 1 | Navigate to the “Tree Removal (Residential)” application page. | | Click on the “Tree Removal (Residential)” application link. | The system shall direct the user to the “Tree Removal (Residential)” application page after the user clicks the application link. | Pending | | Chrome | | Pending | Pending |
| 2 |  | |  |  |  | |  | |  |  |
| 3 |  | |  |  |  | |  | |  |  |

## 4.42 Test Case 42

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TEST-SQL-015 | | | | **Test Module** | | Database Query | | |
| **Test Case Description** | | There is a “Day-Care” link that the user can click on to navigate to an external page containing relevant regulations for day-care use case. | | | | **Test Priority** | | High | | |
| **Requirement ID** | | REQ-11.1 | | | | **Test Method** | | Functional Testing | | |
| **Prerequisites** | | TEST-MAP-005 (User is on the Quick Reference Page) | | | | **Assumptions/**  **Constraints** | | Internet access, working database server | | |
| **Test Execution Steps** | | | | | | | | | | |
| **Step #** | **Action** | | **Input** | **Expected Output** | **Actual Output** | | **Test Browser** | | **Test Result** | **Test Comment** |
| 1 | Navigate to the “Day-Care” regulation page. | | Click on the “Day-Care” regulation link. | The system shall direct the user to the “Day-Care” regulation page after the user clicks the regulation link. | Pending | | Chrome | | Pending | Pending |
| 2 |  | |  |  |  | |  | |  |  |
| 3 |  | |  |  |  | |  | |  |  |

## 4.43 Test Case 43

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TEST-SQL-016 | | | | **Test Module** | | Database Query | | |
| **Test Case Description** | | There is a “Day-Care” link that the user can click on to navigate to an external page containing relevant applications for day-care use case. | | | | **Test Priority** | | High | | |
| **Requirement ID** | | REQ-11.2 | | | | **Test Method** | | Functional Testing | | |
| **Prerequisites** | | TEST-MAP-005 (User is on the Quick Reference Page) | | | | **Assumptions/**  **Constraints** | | Internet access, working database server | | |
| **Test Execution Steps** | | | | | | | | | | |
| **Step #** | **Action** | | **Input** | **Expected Output** | **Actual Output** | | **Test Browser** | | **Test Result** | **Test Comment** |
| 1 | Navigate to the “Day-Care” application page. | | Click on the “Day-Care” application link. | The system shall direct the user to the “Day-Care” application page after the user clicks the application link. | Pending | | Chrome | | Pending | Pending |
| 2 |  | |  |  |  | |  | |  |  |
| 3 |  | |  |  |  | |  | |  |  |

## 4.44 Test Case 44

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TEST-SQL-017 | | | | **Test Module** | | Database Query | | |
| **Test Case Description** | | There is a “Sober Living Facility” link that the user can click on to navigate to an external page containing relevant regulations for sober living facility use case. | | | | **Test Priority** | | High | | |
| **Requirement ID** | | REQ-12.1 | | | | **Test Method** | | Functional Testing | | |
| **Prerequisites** | | TEST-MAP-005 (User is on the Quick Reference Page) | | | | **Assumptions/**  **Constraints** | | Internet access, working database server | | |
| **Test Execution Steps** | | | | | | | | | | |
| **Step #** | **Action** | | **Input** | **Expected Output** | **Actual Output** | | **Test Browser** | | **Test Result** | **Test Comment** |
| 1 | Navigate to the “Sober Living Facility” regulation page. | | Click on the “Sober Living Facility” regulation link. | The system shall direct the user to the “Sober Living Facility” regulation page after the user clicks the regulation link. | Pending | | Chrome | | Pending | Pending |
| 2 |  | |  |  |  | |  | |  |  |
| 3 |  | |  |  |  | |  | |  |  |

## 4.45 Test Case 45

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TEST-SQL-018 | | | | **Test Module** | | Database Query | | |
| **Test Case Description** | | There is a “Sober Living Facility” link that the user can click on to navigate to an external page containing relevant applications for sober living facility use case. | | | | **Test Priority** | | High | | |
| **Requirement ID** | | REQ-12.2 | | | | **Test Method** | | Functional Testing | | |
| **Prerequisites** | | TEST-MAP-005 (User is on the Quick Reference Page) | | | | **Assumptions/**  **Constraints** | | Internet access, working database server | | |
| **Test Execution Steps** | | | | | | | | | | |
| **Step #** | **Action** | | **Input** | **Expected Output** | **Actual Output** | | **Test Browser** | | **Test Result** | **Test Comment** |
| 1 | Navigate to the “Sober Living Facility” application page. | | Click on the “Sober Living Facility” application link. | The system shall direct the user to the “Sober Living Facility” application page after the user clicks the application link. | Pending | | Chrome | | Pending | Pending |
| 2 |  | |  |  |  | |  | |  |  |
| 3 |  | |  |  |  | |  | |  |  |