**Regression Tests:**

As a part of the regression testing, each major iteration of the project will be tested. A major iteration will be defined as when a set of 2-3 features have been implemented. Once all ongoing features have been implemented (no features currently in development), each of the user stories that have been implemented so far from sprint 1 and 2 will be tested to see if they still function as intended. An output will be recorded as whether the story passed the test or whether it failed and will state where it failed in the process and why. The development team will continue to test each major iteration for the rest of the development lifecycle of the project.

**Initial Tests:**

Date Performed:12/10/2017

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| **Story ID:** | **Test Description:** | **Result** | **Output:** |
| Story 4 - Compulsory Registration Information | Register and store compulsory data for each user such as Email, Username, First/Last Name, Password. | Passed | Test case completed |
| Story 3 - Three Unique Accounts | Allow users to register as one of three specific user types, business, tourist and student users. | Passed | Test case completed |
| Story 11 - Login/Register | Users are able to register themselves within the system by filling out a form with their personal details. | Passed | Test case completed |
| Using there registered information they are able to login to their account. | Passed | Test case completed |
| Story 30 - User Profile Settings | User are able to change their personal details and these changes get updated to the database | Passed | Test case completed |
| Story 15 - User City Information | All users should be able to view general location data on the map. | Student- Pass  Businessman- Pass  Tourist- Pass  Admin- Fail | Test case completed |
| Map should be functional. | Student- Pass  Businessman- Pass  Tourist- Pass  Admin- Fail | Test case completed |
| Story 8 - Secure Website | Website should have server side/client side validation and restrictions on input fields. Should also give feedback on incorrect inputs. | Failed (no client-side feedback) | Unable to be tested |
| Story 13 - Ability to Expand | Unable to Test | | |
| Story 6 - Store Optional Data | Register and store optional data for each user such as address and phone number. | Failed | Not fully implemented yet |
| Story 7 - Admin Create Map data | Admin users can input location data on to the map. | Pass | Test case completed |
| Story 14 - Hotel for Tourists Users | Tourist Users should be able to view hotel locations on the map. | pass | Test case completed |
| Story 35 - Hotel for Business Users | Business Users should be able to view hotel locations on the map. | pass | Test case completed |
| Story 16 - Libraries, colleges, and universities for Student Users | Student Users should be able to view library locations on the map. | pass | Test case completed |
| Story 17 - Organisations for Business Users | Business Users should be able to view organisation data | pass | Test case completed |
| Admin create business data | Should be able to use the website’s interface to create business data | Pass | Test case completed |
| Story 1 - Targeted Information | Unable to Test | | |
| Story 12 - Admins create Accounts | Admin users can create other admin users in the system. | Pass | Test case completed |
| Story 19 - Support System | Users should be able to send an email to an admin to provide feedback or issues. | Pass | Test case completed |
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| Story 34 - Password Recovery | Users should be able to recover their password via a recovery process. | Pass and fail | Users can recover their passwords, however, the test fails as the test requires a link that is not unique and not a one time use. The link in the email sent are all unique and one time use only with a limited time before it expires, therefore, the test will fail |
| Story ID 26 - Social Media Integration | Able to register a account with Facebook Credentials. | Passed | Test case completed (only for Bryce’s Facebook profile) |

**Final Testing:**

Date Performed: 22/10/2017

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| **Story ID:** | **Test Description:** | **Result** | **Output:** |
| Story 4 - Compulsory Registration Information | Register and store compulsory data for each user such as Email, Username, First/Last Name, Password. | Passed | Stores compulsory information such as username, password, first/last name, email and the user type. |
| Story 3 - Three Unique Accounts | Allow users to register as one of three specific user types, business, tourist and student users. | Passed | Users are registered as either a tourist, business or student user. |
| Story 11 - Login/Register | Users are able to register themselves within the system by filling out a form with their personal details. | Passed | Details that are filled out in the registration form create a user profile using those details. |
| Using there registered information they are able to login to their account. | Passed | Once registered users are able to login to there account using their user details. |
| Story 30 - User Profile Settings | User are able to change their personal details and these changes get updated to the database | Passed (with bugs) | Users are able to update their user details on their user profile page.  Note: users aren’t able to update optional data due to implementation difficulties. |
| Story 15 - User City Information | All users should be able to view general location data on the map. | Passed | All user types are able to view general location data on the map. |
| Map should be functional. | Passed | Map works without any errors. |
| Story 8 - Secure Website | Website should have server side/client side validation and restrictions on input fields. Should also give feedback on incorrect inputs. | Not Passed (Not Implemented) | Shows when a required field is not filled out.  Note: Client side validation was not implemented. |
| Story 13 - Ability to Expand | Unable to Test | | |
| Story 6 - Store Optional Data | Register and store optional data for each user such as address and phone number. | Passed | Users can register optional data such as phone number and address. |
| Story 7 - Admin Create Map data | Admin users can input location data on to the map. | Passed | Admin users are able input specific details about various types of businesses. |
| Story 14 - Hotel for Tourists Users | Tourist Users should be able to view hotel locations on the map. | Passed | Tourist users are able to view hotel location data as well as general location data. |
| Story 35 - Hotel for Business Users | Business Users should be able to view hotel locations on the map. | Passed | Business users are able to view general map location data and hotel map data. There is a link to other organisation location data. |
| Story 16 - Libraries, colleges, and universities for Student Users | Student Users should be able to view library locations on the map. | Passed | Students are able to view general map location data as well as location data for universities, colleges and libraries. |
| Story 17 - Organisations for Business Users | Business Users should be able to view organisation data | Passed (with bugs) | Able to view various types of business locations on the map.  Note: The function doesn’t work well when multiple businesses are inputted. |
| Admin create business data | Should be able to use the website’s interface to create business data | Passed | Admin users are able to add basic organisation location data to the system with business users are able to view it. |
| Story 1 - Targeted Information | Unable to Test | | |
| Story 12 - Admins create Accounts | Admin users can create other admin users in the system. | Passed | Admin users can fill out a form in order to create other admin users. |
| Story 19 - Support System | Users should be able to send an email to an admin to provide feedback or issues. | Passed | An email was sent to a dedicated administrator email. |
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| Story 34 - Password Recovery | Users should be able to recover their password via a recovery process. | Passed | Users are able to recover and change their password in order to regain access to their account. |
| Story ID 26 - Social Media Integration | Able to register a account with Facebook Credentials. | Passed (with bugs) | Users are able to login to the system by using there Facebook login.  Note: they are not given a user type when login in this way. |