# Contacts Website Creator Test Plan

The application will be tested in a number of different ways:

* Unit tests will be written for individual classes where appropriate.
* An automated acceptance test will run for the whole program.
* The generated files will be tested manually in a web browser.

# Unit Testing

The following classes will be tested automatically with unit tests:

* Contact.java
* ClonedPage.java
* ContactPage.java
* IndexPage.java
* HTMLTest.java

These unit tests will ensure that the classes behave as expected and ensure that any changes made will not break the existing functionality of the classes.

All unit testing will be carried out using JUnit.

# Automated Acceptance Testing

A program wide integration/acceptance test will run covering all of the use cases and ensuring no errors occur.

This acceptance test will:

* Set the “user content” on all of the pages to an auto-generated sentence.
* Display the raw data in the console window.
* Display the generated HTML in the console window.
* Generate the files and open the folder containing the files.

# Manual Testing

The following tests should be carried out manually using the following web browsers:

## Google Chrome

|  |  |  |  |
| --- | --- | --- | --- |
| **ACTION** | **EXPECTED RESULT** | **ACTUAL RESULT** | **NOTES** |
| Open the index page. | A list of contacts should be displayed. | As expected. | Previously set user content should display as well if the previous sections tests were executed before this. |
|  | | | |
| Using the search function on the index page, enter “200”. | The contacts list should be filtered to a single contact “Jennifer Whalen”. | As expected. |  |
|  | | | |
| Click on the contact “200 Jennifer Whalen”. | A page should open displaying the contact id, full name, email address and phone number of Jennifer Whalen. | As expected. | Previously set user content should display as well if the previous sections tests were executed before this. |
|  | | | |
| Click on the “Go Back” button. | The index page should open. | As expected. |  |
|  | | | |
| Using the search function on the index page, enter “alex”. | The contacts list should be filtered to three contacts, “Alexander Hunold”, “Alexander Khoo”, and “Alexis Bull”. | As expected. |  |
|  | | | |

## Mozilla Firefox

|  |  |  |  |
| --- | --- | --- | --- |
| **ACTION** | **EXPECTED RESULT** | **ACTUAL RESULT** | **NOTES** |
| Open the index page. | A list of contacts should be displayed. | As expected. | Previously set user content should display as well if the previous sections tests were executed before this. |
|  | | | |
| Using the search function on the index page, enter “200”. | The contacts list should be filtered to a single contact “Jennifer Whalen”. | As expected. |  |
|  | | | |
| Click on the contact “200 Jennifer Whalen”. | A page should open displaying the contact id, full name, email address and phone number of Jennifer Whalen. | As expected. | Previously set user content should display as well if the previous sections tests were executed before this. |
|  | | | |
| Click on the “Go Back” button. | The index page should open. | As expected. |  |
|  | | | |
| Using the search function on the index page, enter “alex”. | The contacts list should be filtered to three contacts, “Alexander Hunold”, “Alexander Khoo”, and “Alexis Bull”. | As expected. |  |
|  | | | |

## Internet Explorer

|  |  |  |  |
| --- | --- | --- | --- |
| **ACTION** | **EXPECTED RESULT** | **ACTUAL RESULT** | **NOTES** |
| Open the index page. | A list of contacts should be displayed. | As expected. | Previously set user content should display as well if the previous sections tests were executed before this. |
|  | | | |
| Using the search function on the index page, enter “200”. | The contacts list should be filtered to a single contact “Jennifer Whalen”. | As expected. |  |
|  | | | |
| Click on the contact “200 Jennifer Whalen”. | A page should open displaying the contact id, full name, email address and phone number of Jennifer Whalen. | As expected. | Previously set user content should display as well if the previous sections tests were executed before this. |
|  | | | |
| Click on the “Go Back” button. | The index page should open. | As expected. |  |
|  | | | |
| Using the search function on the index page, enter “alex”. | The contacts list should be filtered to three contacts, “Alexander Hunold”, “Alexander Khoo”, and “Alexis Bull”. | As expected. |  |
|  | | | |