Test Case

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| Test Cases planned | Test cases executed | Test Cases passed | Test Cases failed |
| 8 | 7 (23 Test instances, see below for details) | 6 | 1 (to be implemented in the next sprint) |

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| Test Case ID | Feature | Environment | Test Case Description | Expected Result | Date(s) test was performed and Result |
| 1 | User view of homepage, with links to other available pages  (related to user story 18) | Chrome | 1. Navigate to home page (by clicking the “Home” link) | User is redirected to the home page, and presented with a description of the website’s purpose | 04/09/20: Passed  09/09/20: Passed  15/09/20: Passed  21/09/20: Passed |
| 2 | User view of homepage with sign in link  (related to user story 18) | Chrome | 1. Navigate to home page  2. Click on “Sign in” link | User is redirected to the sign in page and the “sign in” form is displayed. | 04/09/20: Passed  09/09/20: Passed  15/09/20: Passed  22/09/20: Passed |
| 3 | User sign in  (related to user story 16) | Chrome | 1. Navigate to “Sign in” page  2. User enters in username and password  3. User clicks the “Login” button | User is logged in and redirected to a dashboard. | 09/09/20: Passed  15/09/20: Passed  22/09/20: Passed |
| 4 | User sign in  (related to user story 16) | Chrome | 1. Navigate to “Sign in” page  2. User enters in an **invalid** username and password  3. User clicks the “Login” button | User is advised that their login details are incorrect, and prompted to try logging in again. | 21/09/20: **Failed**  (Bug report ID 2) |
| 5 | Add new worker/user (related to user story 6) | Chrome | 1. Navigate admin dashboard  2. Click on “Add User” button | User is presented with a form to enter new User details. Upon entry of details and clicking “submit”, details are viewable in the database | 09/09/20: **Failed**  (Bug report ID 1)  15/09/20: Passed  22/09/20: Passed |
| 6 | Browse Available Business Services  (related to user story 10) | Chrome | 1. Navigate to home page  2. Click on Services link  *Negative edge case (no services are present)*  *Precondition: with BackEnd running, and with nil services in database* | Given that nil services are present in the system, user should see an empty “list” | 16/09/20: Passed  18/09/20: Passed  21/09/20: Passed  22/09/20: Passed |
| 7 | Browse Available Business Services  (related to user story 10) | Chrome | 1. Navigate to home page  2. Click on Services link  *Precondition: Postman was used to add 2 Services (Dentist and Hairdresser) to the database, prior to test execution* | User is redirected to the Services page, and is able to see a list of 2 available services:  “Dentist” and “Hairdresser” | 16/09/20: **Failed**  (Bug report ID 2)  18/09/20: Passed  21/09/20: Passed  22/09/20: Passed |
| 8 | Unique Dashboard displayed for users, based on user type when logging in | Chrome | 1. Navigate to home page  2. Click on “Sign in” link  3. Enter in User login details  4. a. Given that User is a customer  4. b. Given that User is an Admin  4. c. Given that User is a worker | User is redirected to their dashboard, and their dashboard should be specific for their user type (Admin, Customer, Worker) | To be tested once code for unique dashboard display is implemented |

In addition to the above manual tests, a total of 40 unit tests have been written so far (with more to be written as the project requirements and code base develop further). The project has been implemented to run the unit tests on each push to the remote repository and on each merge, to comply with continuous integration principles.

Bug Reports:

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| Bug Report ID | 1 |
| Date | 09/09/20 |
| Test Case ID | 5 |
| Feature being tested | Add new worker feature |
| Expected Result | On entering Name: Test, Password: Password, User Identifier: abc123, User Type: Worker, Phone: 12345 and clicking submit;  Then the details should be visible in the database |
| Actual Result | Database was not updated with new user |
| Developer Assigned | Grace Kerr |
| Priority | 1 |
| Status | 09/09/20 Problem verified and identified   * Frontend unable to post details to backend   10/09/20 Fix applied   * Bug identified in createUser function; fixed to allow creation of user and post to api/user |

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| Bug Report ID | 2 |
| Date | 16/09/20 |
| Test Case ID | 7 |
| Feature being tested | Browse Available Business Services |
| Expected Result | List of 2 services should be visible |
| Actual Result | Empty list was displayed |
| Developer Assigned | Su-Kuen Koh |
| Priority | 2 |
| Status | 16/09/20 Problem verified and identified   * Frontend unable to get services data from backend   18/09/20 Fix applied   * Implemented code within front and backend to allow communication * Feature re-tested: passed |

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| Bug Report ID | 3 |
| Date | 21/09/20 |
| Test Case ID | 4 |
| Feature being tested | User Sign in (negative edge case) |
| Expected Result | With entry of invalid user details, user should be informed that login details were incorrect, and prompted to try again |
| Actual Result | User was redirected to dashboard |
| Developer Assigned | Grace Kerr |
| Priority | 2 |
| Status | 21/09/20 Problem verified and issue identified   * Login in functionality and security to be implemented |