### Website Blackbox Testing

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| # | Action | Expected Result | Actual Result | Notes |
| 1 | User enters URL | Home page | As expected | URL: localhost:8080/home |
| 2 | User fills Sign Up form and submit | New account and customer created on database | As expected |  |
| 3 | User access control: before log-in | Error page: not logged in | As expected |  |
| 4 | User fills login form and submit | Rerouted to user map page | As expected |  |
| 5 | User map receives updates | Markers on map updating | As expected |  |
| 6 | User logs out | User redirected to home page and logged out of session | As expected |  |
| 7 | User incompletely fills Sign Up form and submit | Login Page with error message to fill in expected values that were empty. |  | Not yet implemented |
| 8 | User incompletely fills Login form and submit | Routed to login page with error message to fill in expected values that were empty. | As expected |  |
| 9 | User gives username that does not exist | Routed to login page with error message that an account with that user name does not exist | As expected |  |
| 10 | User gives a password that doesn’t accompany the given username | Routed to login page with error message that incorrect password for that user name was given | As expected |  |
| 11 | User fills out signup form and gives and invalid email address | Routed to login page with error message that the email address is invalid | As expected |  |
| 12 | User fills out sign up form and gives an email address that is already linked to an account | Routed to login page with error message that the email address already exists in the system | . | Not yet implemented. |
| 13 | User fills out sign up form and gives a phone number that is already linked to an account | Routed to login page with error message that the phone number already exists in the system | . | Not yet implemented. |
| 14 | User fills out sign up form and gives a phone number that is too long or too short | Routed to login page with error message that the phone number is invalid | . | Not yet implemented. |
| 15 | User fills out sign up form and password and confirm password don’t match. | Routed to login page with error message that password and confirm password don’t match | . | Not yet implemented. |
| 16 | User is rerouted to Home Page | Home page shows up displaying the location of all the users registered devices on the map | As expected |  |
| 17 | User selects a specific device | User map page displaying the location of the specific device, time last updated, and additional view options | As expected |  |
| 18 | User changes laptop device status to stolen and hits submit | Device status updated in database. Service beings tracking device, and logging keys in database. | . | Not fully implemented |
| 19 | User changes geogram device status to stolen and hits submit | Device status updated in database. Service beings tracking device. | . | Not fully implemented |
| 20 | User changes laptop device status to not-tracking | Device status updated in the database. Service discontinues tracking the devices, and stops logging the keys. | . | Not fully implemented |
| 21 | User changes geogram device status to not-tracking | Device status updated in the database. Service discontinues tracking the devices. | . | Not fully implemented |
| 22 | User selects keylogger. | Keylogger is pulled from the database and displayed over the specific device page. | As expected\*\* |  |
| 23 | User selects clear keylogger | User prompted to confirm or cancel delete keylogger | . | Not fully implemented |
| 24 | User selects confirm clear keylogger | Keylogger information cleared in the database. User rerouted to specific device page | . | Not fully implemented |
| 25 | User selects keylogger close | Keylogger closes and the display returns to just the specific device page. | As expected\*\* |  |
| 26 | User selects rename | User is prompted for a new name. | . | Not fully implemented |
| 27 | User enters new name and hits submit. | Device name is changed in the database and user is returned to specific device page | . | Not yet implemented. |
| 28 | User selects delete | User is prompted whether they would like to delete the specific device | . | Not fully implemented |
| 29 | User selects confirms device delete | Device information is removed from the database. Rerouted back to home. | . | Not fully implemented |
| 30 | User selects toggle previous location | Previous device location information is displayed on the map. | As expected\* |  |
| 31 | User deselects toggle previous location | Previous device location information is removed from the map | As expected\* |  |
| 32 | User selects update location | Device is relocated, new information is entered into the database, and updated location is displayed on the map | As expected\* |  |
| 33 | User selects all devices | Home page displays all the locations of every device associated with the account |  | Not fully implemented. |
| 34 | User selects add new device | UserMap page to add new device form made visible. | As expected |  |
| 35 | User fills out new device form validly and completely for a geogram device | New device added to database. UserMap page displayed with new device as viewing option in devices dropdown. | As expected |  |
| 36 | User fills out new device form and uses a name already used for one of their devices. | User routed to new device form with message indicating device name already exists with this account |  | Not yet implemented. |
| 37 | User fills out new device form and selects geogram device. Enters phone number that already exists as a geogram device. | User routed to new device form with message indicating device phone number already exists for a different geogram device |  | Not yet implemented. |
| 39 | User fills out new device form validly and completely for a laptop device | New device added to database. UserMap page displayed with new device as viewing option in devices dropdown. | As expected |  |
| 40 | User selects account | User rerouted to account information page. |  | Not yet implemented. |
| 41 | User selects edit account info. | User rerouted to edit account information form |  | Not yet implemented. |
| 42 | User makes valid changes to their user info. Selects save | User information updated in database. User rerouted to account information page. |  | Not yet implemented. |
| 43 | User makes invalid changes to their user info. Selects save. | Appropriate error message displayed on edit account information form page. User information not updated. |  | Not yet implemented. |