Test log

Prototype 1 – PatientTrack for Patients

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| **Test No.** | **Test Description** | **Expected Outcome** | **Actual Outcome** | **Pass / Fail** | **Action Taken** |
| **Registration Page** | | | | | |
| 1 | Leave all text boxes blank on registration | User is not registered and an error message is displayed | As expected | Pass | None |
| 2 | Leave username blank | User is not registered and an error message is displayed | As expected | Pass | None |
| 3 | Leave email blank | User is not registered and an error message is displayed | As expected | Pass | None |
| 4 | Leave password blank | User is not registered and an error message is displayed | User was successfully registered with a blank password | Fail | Add check that password text is not blank before registration attempt. This was implemented by adding a ‘required’ label to each of the input boxes in the form. Then adding an ‘ng-disabled’ on the register button if the form is invalid. This will also be applied to all other forms in the project to avoid similar errors. |
| 5 | Leave address blank | User is not registered and an error message is displayed | As expected | Pass | None |
| 7 | Entering valid details | User will be registered, confirmation alert displayed and transferred to login page. Registration details cleared | As expected | Pass | None |
| **Login Page** | | | | | |
| 8 | Leaving all text boxes blank | Login button disabled so cannot be clicked | As expected | Pass | None |
| 9 | Leave email blank | Login button disabled so cannot be clicked | As expected | Pass | None |
| 10 | Leave password blank | Login button disabled so cannot be clicked | As expected | Pass | None |
| 11 | Entering valid details | User will be redirected to home page and have their name displayed | As expected | Pass | None |

Prototype 1 – PatientTrack for Carers

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| **Test No.** | **Test Description** | **Expected Outcome** | **Actual Outcome** | **Pass / Fail** | **Action Taken** |
| **Registration Page** | | | | | |
| 1 | Leave all text boxes blank on registration | User is not registered and an error message is displayed | As expected | Pass | None |
| 2 | Leave username blank | User is not registered and an error message is displayed | As expected | Pass | None |
| 3 | Leave email blank | User is not registered and an error message is displayed | As expected | Pass | None |
| 4 | Leave password blank | User is not registered and an error message is displayed | As expected | Pass | None |
| 5 | Leave address blank | User is not registered and an error message is displayed | As expected | Pass | None |
| 7 | Entering valid details | User will be registered, confirmation alert displayed and transferred to login page. Registration details cleared | As expected | Pass | None |
| **Login Page** | | | | | |
| 8 | Leaving all text boxes blank | Login button disabled so cannot be clicked | As expected | Pass | None |
| 9 | Leave email blank | Login button disabled so cannot be clicked | As expected | Pass | None |
| 10 | Leave password blank | Login button disabled so cannot be clicked | As expected | Pass | None |
| 11 | Entering valid details | User will be redirected to home page and have their name displayed | As expected | Pass | None |

Prototype 2 – PatientTrack for Patients

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| **Test No.** | **Test Description** | **Expected Outcome** | **Actual Outcome** | **Pass / Fail** | **Action Taken** |
| **Home Page** | | | | | |
| 1 | User can access settings page using settings icon in navbar | Button links to settings page | As expected | Pass | None |
| **Settings Page** | | | | | |
| 2 | User can view their unique patient code | Patient code is displayed at the top of the settings page | As expected | Pass | None |

Prototype 2 – PatientTrack for Carers

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| **Test No.** | **Test Description** | **Expected Outcome** | **Actual Outcome** | **Pass / Fail** | **Action Taken** |
| **Home Page** | | | | | |
| 1 | User can access the Add Patient alter box using a plus icon in the home page’s navbar | Clicking plus button opens the add patient dialog | As expected | Pass | None |
| 2 | Entering a code not associated with a patient | Does not add a patient and displays a ‘not found’ error message | As expected | Pass | None |
| 3 | Entering a blank code | Does not add a patient and displays a ‘not found’ error message | As expected | Pass | None |
| 4 | Entering a valid patient code | Displays a success message and patient is added to home screen | As expected | Pass | None |
| 5 | Entering a valid patient code with whom a connection already exists | Displays an error message | As expected | Pass | None |
| 6 | Home screen lists all patients on login | All patients which have connected with the carer are displayed in a list | As expected | Pass | None |

Prototype 3 – PatientTrack for Patients

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| **Test No.** | **Test Description** | **Expected Outcome** | **Actual Outcome** | **Pass / Fail** | **Action Taken** |
| 1 | Patient’s app sends location to DB every 30 seconds | Location is uploaded to DB along with current time | As expected | Pass | None |
| 2 | Patient is not affected by location uploading | When uploading location: No delay in using app, no change of display | As expected | Pass | None |
| 3 | If patient has location disabled | No location is uploaded, and the patient is shown a message asking them to enable it, with the option to transfer to the location settings page | No alert box displayed | Fail | Created an alert which uses the Cordova diagnostic plugin to check the location and switch user to location options |
| 4 | If patient has no internet connection | No location is uploaded, and the patient is shown a message asking them to enable their wifi or data, with the option to transfer to the relevant settings page | No alert box displayed | Fail | Created an alert which uses the Cordova network information plugin to check the connection and switch user to Wifi or Data options |
| 5 | If patient has no internet connection and location disabled | No location is uploaded. Patient is shown two messages, one to request location enabled, and one to request data or WiFi to be enabled | As expected | Pass | None |
| 6 | Navigation | Upon clicking the large ‘Home’ button on the home page, the user is redirected to Google Maps, and is shown options for their route to their stored address | As expected | Pass | None |
| 7 | Navigation with an invalid address | If the user’s address is invalid, and cannot be found by Google Maps, they are not displayed a route, however do have the option to re-enter the target location. | As expected | Pass | None |

Prototype 3 – PatientTrack for Carers

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| **Test No.** | **Test Description** | **Expected Outcome** | **Actual Outcome** | **Pass / Fail** | **Action Taken** |
| **Home page** | | | | | |
| 1 | Viewing a patient’s details | Clicking on a patient from the list of patients opens the patient’s details page. | As expected | Pass | None |
| **Patient Details Page** | | | | | |
| 2 | Viewing patient’s most recent details | Upon opening a patient’s details page, the user is displayed the most recent location of the patient on a Google Map widget, along with the time of the location. The user is also displayed the patient’s name, home address, and email address. | As expected | Pass | None |
| 3 | The map is interactive | The user can zoom in/out on the map, can drag the map, and can use Google Street View to better understand the location of the patient. | As expected | Pass | None |
| 4 | The details are updated each time the page is viewed | Each time the user loads the patient details page it should be updated to ensure the location displayed is the most recent | As expected | Pass | None |
| 5 | The patient has no recorded locations | If the patient has no recorded locations, the map is not displayed | As expected | Pass | None |

Prototype 4 – PatientTrack for Patients

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| **Test No.** | **Test Description** | **Expected Outcome** | **Actual Outcome** | **Pass / Fail** | **Action Taken** |
| **Settings Page** | | | | | |
| 1 | Updating Username with valid text | The user can update their username | As expected | Pass | None |
| 2 | Updating username with empty text | The update button is not enabled, so the username is not updated | As expected | Pass | None |
| 4 | Viewing the privacy policy | The user can click the ‘View Privacy Policy’ button to navigate to the privacy policy page. | As expected | Pass | None |
| 5 | Viewing the help page | The user can click the ‘Help’ button to navigate to the help page. | As expected | Pass | None |
| 6 | Viewing the change password page | The user can go to the change password page by clicking on the appropriate button | As expected | Pass | None |
| 7 | Attempting to delete account with the wrong password | User is shown an ‘incorrect password’ error message | As expected | Pass | None |
| 8 | Attempting to delete account with no password entered | User is shown an ‘incorrect password’ error message | As expected | Pass | None |
| 9 | Attempting to delete account using correct password, when patient’s account is connected with carers | Account is not deleted, user is shown an error message stating that they cannot delete their account whilst connected with carers, along with a list of their current carers | User is shown an ‘incorrect password’ error message | Fail | Add functionality to display carers if patient has one or more carers associated. |
| 10 | User leaves the ‘delete account’ alert box open for more than 10 seconds | The box automatically closes to avoid accidental deletion | As expected | Pass | None |
| 11 | User clicks on sign out | User is signed out, login details are removed from local storage, and user is redirected to the login page | As expected | Pass | None |
| 12 | User is signed in, closes the app, and clears the cache, then reopens the app | The app should retrieve their details from local storage, and automatically log them in. | As expected | Pass | None |
| **Change Password Page** | | | | | |
| 13 | The user enters their current password incorrectly | The user is shown a ‘current password incorrect’ error message | As expected | Pass | None |
| 14 | The new password entries do not match | The user is shown a ‘New password entries do not match’ error message | As expected | Pass | None |
| 15 | The user leaves the form blank | The form is not valid so the save button is not enabled | As expected | Pass | None |
| 16 | The user enters the correct current password, but leaves the new password boxes blank | The form is not valid so the save button is not enabled | As expected | Pass | None |
| 17 | The user enters their correct current password, and two matching valid entries for their new password | The user’s password is changed, including in local storage – so that closing the app and reopening signs them in automatically | As expected | Pass | None |

Prototype 4 – PatientTrack for Carers

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| **Test No.** | **Test Description** | **Expected Outcome** | **Actual Outcome** | **Pass / Fail** | **Action Taken** |
| **Settings Page** | | | | | |
| 1 | Updating Username with valid text | The user can update their username | As expected | Pass | None |
| 2 | Updating username with empty text | The update button is not enabled, so the username is not updated | As expected | Pass | None |
| 3 | Viewing the privacy policy | The user can click the ‘View Privacy Policy’ button to navigate to the privacy policy page. | As expected | Pass | None |
| 4 | Viewing the help page | The user can click the ‘Help’ button to navigate to the help page. | As expected | Pass | None |
| 5 | Viewing the change password page | The user can go to the change password page by clicking on the appropriate button | As expected | Pass | None |
| 6 | Attempting to delete account with the wrong password | User is shown an ‘incorrect password’ error message | As expected | Pass | None |
| 7 | Attempting to delete account with no password entered | User is shown an ‘incorrect password’ error message | As expected | Pass | None |
| 8 | User leaves the ‘delete account’ alert box open for more than 10 seconds | The box automatically closes to avoid accidental deletion | As expected | Pass | None |
| 9 | User enters correct password on delete account | Account is deleted and user is redirected to the Registration page | As expected | Pass | None |
| 10 | User clicks on sign out | User is signed out, login details are removed from local storage, and user is redirected to the login page | As expected | Pass | None |
| 11 | User is signed in, closes the app, and clears the cache, then reopens the app | The app should retrieve their details from local storage, and automatically log them in. | As expected | Pass | None |
| **Change Password Page** | | | | | |
| 12 | The user enters their current password incorrectly | The user is shown a ‘current password incorrect’ error message | As expected | Pass | None |
| 13 | The new password entries do not match | The user is shown a ‘New password entries do not match’ error message | As expected | Pass | None |
| 14 | The user leaves the form blank | The form is not valid so the save button is not enabled | As expected | Pass | None |
| 15 | The user enters the correct current password, but leaves the new password boxes blank | The form is not valid so the save button is not enabled | As expected | Pass | None |
| 16 | The user enters their correct current password, and two matching valid entries for their new password | The user’s password is changed, including in local storage – so that closing the app and reopening signs them in automatically | As expected | Pass | None |
| **Patient Settings Page** | | | | | |
| 17 | User enters a valid address for the patient’s address | Patient’s address is updated, the carer is asked to confirm that the patient’s app sends them to the correct address | As expected | Pass | None |
| 18 | User enters an invalid address for the patient’s address | The patient’s address is not updated | The patient’s address is updated | Fail | This falls under future development, validation of address |
| 19 | User leaves the address box blank | The save button is disabled | As expected | Pass | None |
| 20 | User clicks on Delete patient button and then on Cancel | The carer-patient connection is not altered | As expected | Pass | None |
| 21 | User clicks on Delete patient and then on ‘OK’ | Patient connection is deleted, user is notified of this and returned to updated patient list | As expected | Pass | None |