

System and Unit Test Report

PoliTrack

PoliDev

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Sprint 1

A. User story 1 from sprint 1: As a user, I want to be able to pin the location of the police sighting so people around it can be notified.

B. User story 2 from sprint 1: As a user, I'd like to be able to report sightings to the database, so other users can be aware.

C. User story 3 from sprint 1: As a user, I'd like to be able to login to the app so that my information can be stored in the database.

D. User story 4 from sprint 1: As a user, I'd like to be able to see my indicators when I'm logged back in, so I don't have to re-enter the information.

Scenario:

1. Start PoliTrack app; select "CREATE ACCOUNT"; type
 - Name = <Username>
 - Email = <Username123@gmail.com>
 - Password = <Username12345>
 - Click on the "REGISTER" button.
 - Account should be active and the app returns to the Login page.
2. On the Login page type
 - Enter Account = <Username123@gmail.com>
 - Enter Password = <Username12345>
 - Click on the "LOGIN" button.
 - The app should log into the account and continues to the Main page.
3. On the Main page
 - Click on the "MAP" button to continue to the Map page.
 - Use the drop-down menu to choose what to report on.
 - Click on the Google Map to pin a report.
 - A report with an icon should be pinned onto the Google Map.
 - Open and log into the app with a different device and account.
 - The 2nd device should see the report icon pinned by the 1st device.
4. Make some changes and close the app

- Reopen the app.
- Enter Account = <Username123@gmail.com>
- Enter Password = <Username12345>
- Click on the “LOGIN” button.
- The app should log into the account and continues to the Main page. The changes made should be pulled from Firebase.

Sprint 2

A. User story 1 from sprint 2: As a user, I'd like to be able to choose what I'm reporting on so other users know what is coming on. (ie. police sighting or traffic)

B. User story 2 from sprint 2: As a user, I want to be notified when other users around me push a report.

C. User story 3 from sprint 2: As a user, I'd like to specify radius preference so that the notifications are relevant.

Scenario:

1. Open and log into the app
 - Click on the “MAP” button to continue to the Map page.
 - Use the drop-down menu to choose what to report on.
 - Click on the Google Map to pin a report.
 - Each option in the drop-down menu should pin a report with a unique icon.
2. On the Main page
 - Turn on the “Notification” toggle.
 - Set the “Radius” to x miles.
 - Open and log into the app with a different device and account.
 - Pin a report onto the Google Map.
 - The 1st device should receive a notification if the report made by the 2nd device is within x miles of its current location.

Sprint 3

A. User story 1 from sprint 3: As a user, I'd like to be able to choose time preferences of the sightings, so the irrelevant ones won't show up in my app.

B. User story 2 from sprint 3: As a user, I'd like to be able to use gesture like shaking to report, so I don't have to text and drive.

C. User story 3 from sprint 3: As a user, I'd like to be notified by voice notification so I can keep my eyes on the road.

D. User story 4 from sprint 3: As a user, I'd like to be able to verify the notification, so other people know the report is true.

Scenario:

1. Open and log into the app
 - Turn on the "Notification" toggle.
 - Set the "Time" to x hours.
 - Open and log into the app with a different device and account.
 - Shake the 2nd device.
 - The app should pin a report at the current location of the 2nd device onto the Google Map.
 - The 1st device should receive a voice notification if the report made by the 2nd device is within x hours of its current time.
2. On the Map page
 - Click on the report icon pinned by the 2nd device with the 1st device.
 - Click on the "Verify" button.
 - The app should continue to the Verified page and shows the verification count of the report.
 - Open and log into the app with a 3rd device.
 - Click on the report verified by the 1st device.
 - The 3rd device should show the verification count of the report and it should be the same count as the verification count shown by the 1st device.

Sprint 4

A. User story 1 from sprint 4: As a user, I'd like to be able to know which sightings are more likely to be real, so I could be more aware of them.

B. User story 2 from sprint 4: As a user, I'd like to report sightings via voice report, so I can drive safely.

Scenario:

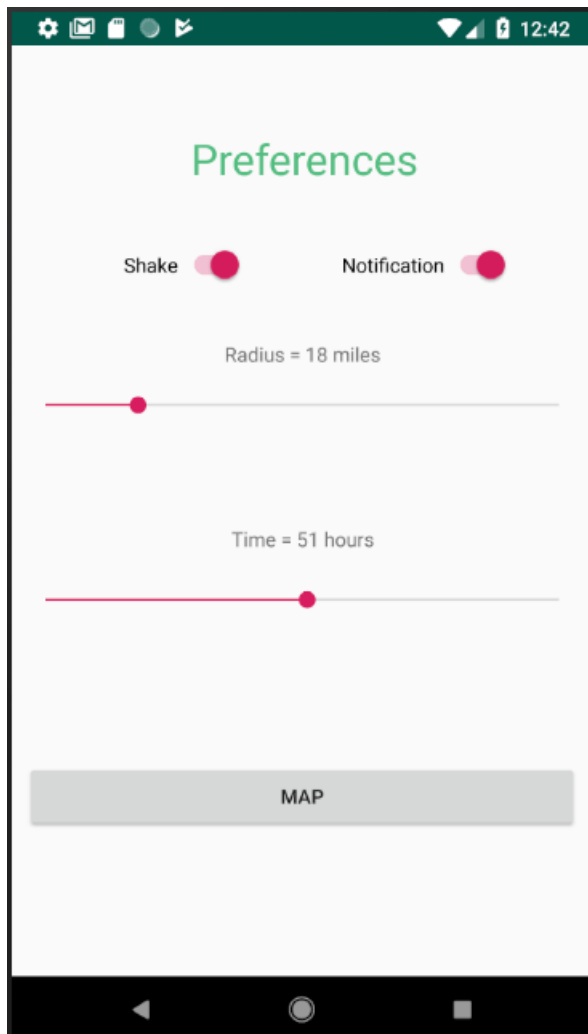
1. Open and log into the app
 - Click the "MAP" button to continue to the Map page.
 - Click on the Google Map to pin a report.
 - Click on the pinned report and the color of the report icon should be changed.
 - Click on the pinned report again and the color of the report icon should be changed again.
 - The color of the report icon indicates the tier of the report.
 - Open and log into the app with a different device and account.
 - The 2nd device should show the color changes made by the 1st device as well.

2. User story 2 not implemented.

Login page:



Main page:



Map page:

