

Working Prototype Known Problems Report

PoliTrack

PoliDev

12/2/18

List of functions not working correctly:

Problem 1:

We only had one user story that we couldn't implement. This was the voice report function that we were trying to integrate in sprint 4. It was split up into two tasks so we lost a total of 4 story points.

Input: Tried to implement the google voice API.

Action: Tried to invoke a certain command when you ask: "Okay Google report sighting".

Location of fault: After further research on the google voice API we realized that there are third party limitations.

Possible action for removal of fault: A possible action we could take to remove this fault would be to wait for the google voice developers to implement third party features. This would be outside the scope of this project so it would essentially be impossible for us to finish this by sprint 4.

Problem 2:

The notification system is glitchy. When it works 100% correctly, users are supposed to receive a text and voice notification when someone else reports a sighting within your area.

Input: Tried to report a sighting and see if other devices react.

Action: Sometimes the phone would receive a text notification without the voice notification. Or when we tried to test when the app is running in the background, it worked for one phone but not the other.

Location of fault: there is a function called `NotifySighting()` that we wrote and this takes care of the text and voice part of the notification. The problem might stem from here but we couldn't find a solution.

Possible action for removal of fault: Further actions we could have taken is to debug it further by using the debug tool or printing into the terminal. There might be inconsistencies in how `onResume()` works so we should research that further and make changes accordingly.

