

Requirements Analysis Document: Perp Finder

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Introduction

Perp Finder is an app that is needed in society today. There is a growing population of sexual predators out in the public. This app helps those who are trying to avoid those people. There are a lot of times when people need to know who their kids are safe around. This takes the website and makes everything much more convenient for users, as well as adds on the twist of filing police reports right on your phone.

Proposed System Description

This app was designed to help families and users to identify people who are either on the sex offenders list or pedophile list. As well as, to make filling a report to the police be less obvious and hopefully less dangerous for the user.

Functional and Non-Functional Requirements

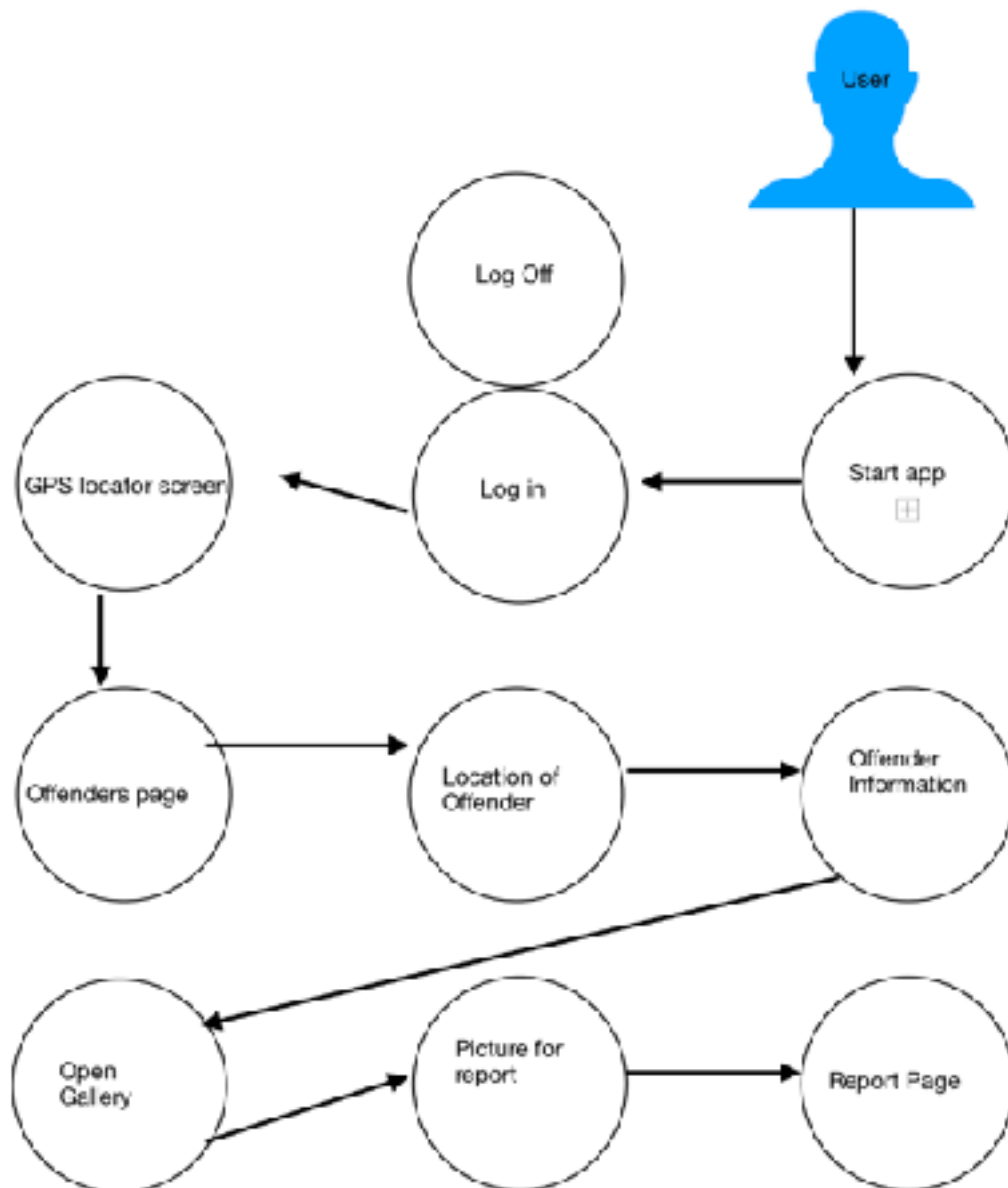
Non-Functional

- Database connected to the criminal one for all pedophiles and sex offenders
- GPS
- The email of the closest police department
- Fire based database with all users and most recent zip code

Functional

- User can look through the surrounding area for pedophiles and sex offenders
- User can search through all pictures and people that pop up as well as be able to read exactly why they got charged
- User can report a crime to the police department with picture evidence

Use Case Diagram



Use Case: Start app

Name of the Project: Perp Finder

Primary actor: User

Goal in context: Allow a user to access the functions of the App

Preconditions: Data usage or internet connectivity

Trigger: App is loaded

Scenario:

1. The database is checked to see if there are any new information to be added
2. User is shown the main screen, as well as, the button to search a zip code
3. User decides to either search their area or report a crime or suspicious person (see GPS Locator Screen, Report Screen)

Exception: User is not logged in: User is sent to login screen(see Log in use case)

Priority: High priority

When Available: WK 1

Frequency: High

Use Case: Log in

Name of the Project: Perp Finder

Primary actor: User

Goal in context: To be able to log into the user's account

Preconditions: The user must be able to use data or internet connectivity

Trigger: The app takes the user to the login screen when not logged in on start activity.

Scenario:

1. A text box pops up asking if you already have an account, if yes then a form is displayed with the password and username text field and a "Login" button
2. If the user does not already have an account then another form is displayed asking your First and Last name, phone number, and asks to access GPS

Exception: If they type the wrong password: fields are cleared and user is told their information is incorrect, given another attempt

Priority: High Priority

When Available: WK 2

Frequency: Very Low

Use Case: Log out

Name of the Project: Perp Finder

Primary actor: User

Goal in context: to be able to Logout of the app

Preconditions: The user has to be Logged in, in order to Log out

Trigger: The user clicks the Logout button

Scenario:

1. User is prompted to confirm or decline their choice
2. User presses the “Yes” button, is logged out, and returned to the Login Screen (see Log in use case)

Exception: The user selects “No” box when they are prompted: User stays logged in

Priority: Medium Priority

When Available: WK 3

Frequency: Very low

Use Case: GPS Locator Screen

Name of the Project: Perp finder

Primary actor: User

Goal in context: To show the user where sex offenders/pedophiles are relative to their location

Preconditions: Must have an updated database, and GPS access

Trigger: Pressing the locate button and typing in their zip code on the main screen

Scenario:

1. The app searches the database for sex offenders/pedophiles that have the same zip code as them
2. The app shows them on a map where those people live around the area

Exception: If the app is not able to find anyone around living in the same zip code then a screen pops up stating that there are no sex offenders/pedophiles live in the area

Priority: High Priority

When Available: WK 5

Frequency: High

Open issues:

Use Case: Offenders Page

Name of the Project: Perp finder

Primary actor: User

Goal in context: To show a list of offenders in your area instead of a map

Preconditions: You must already have looked up a zip code

Trigger: User presses the view list button

Scenario:

1. The app loads up a list with the picture and name of all offenders in the area
2. The user can click on these pictures to go to a full description of why they are in the database and on the list (see offender information)

Exception: if there are no offenders in the area then you will not be able to get to this function

Priority: High Priority

When Available: WK 6

Frequency: high

Open issues:

Use Case: Offender information

Name of the Project: Perp Finder

Primary actor: User

Goal in context: to be able to determine whether these people are still a threat or not

Preconditions: must have already looked up the zip code, and looked through the list

Trigger: Pressing the picture in the list(see Offenders Page)

Scenario:

1. The app shows the persons information (Where they live, Why they are on the list, Their charge)
2. The user can then go back to the list of offenders(see Offenders Page)

Exception: if there is no offenders in the area then you will not be able to get to this screen

Priority: High Priority

When Available: WK 7

Frequency: High

Open issues:

Use Case: Report Page

Name of the Project: Perp Finder

Primary actor: User

Goal in context: To let the user report a crime or suspicious person to the proper authorities

Preconditions: The user must be able to use internet connectivity or data

Trigger: Pressing the Report button

Scenario:

1. The app opens the phones camera and the user snaps a pic of the suspected person (see Open Gallery)
2. The user is then given a file to fill out about the encounter
3. The file and the picture is sent to the closest police department

Exception:

Priority: High Priority

When Available: WK 8

Frequency: Middle

Open issues: This could cause people to just report on people that might just be annoying them or messing with them.

Use Case: Open Camera

Name of the Project: Perp Finder

Primary actor: User

Goal in context: To allow your phone to take a picture of the person you want to report

Preconditions: The user must have a camera phone

Trigger: pressing the report button

Scenario:

1. After pressing the report button the camera opens so they can snap a picture of the person they want to report
2. The picture is saved to the picture for report screen
3. The user is then moved to the picture for report screen(see Picture for Report)

Exception: When the camera pops up and the user does not take a pic the app resets to the GPS Locator Screen (see GPS Locator Screen)

Priority: Middle priority

When Available: WK10

Frequency: Low

Open issues:

Use Case: Picture for Report

Name of the Project: Perp Finder

Primary actor: User

Goal in context: To make sure that the picture taken is clear enough, and the person that the user wants to report

Preconditions: User must allow the app to access their camera before hand

Trigger: User takes picture

Scenario:

1. The user is shown this page and is asked if they are sure they want to report this person
2. If yes then they go to the report page to fill out the form (see Report page)

Exception: If the user presses no then they are taken back to the camera to take another picture (see open Camera)

Priority: High

When Available: WK11

Frequency: low

Open issues:

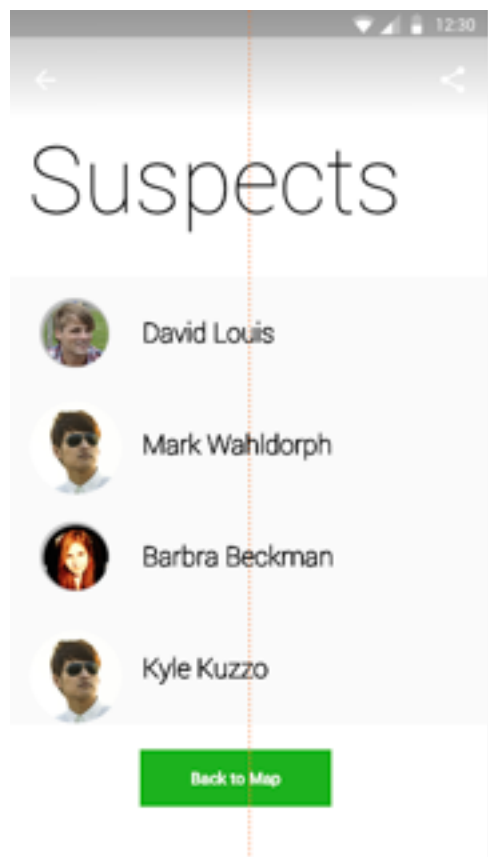
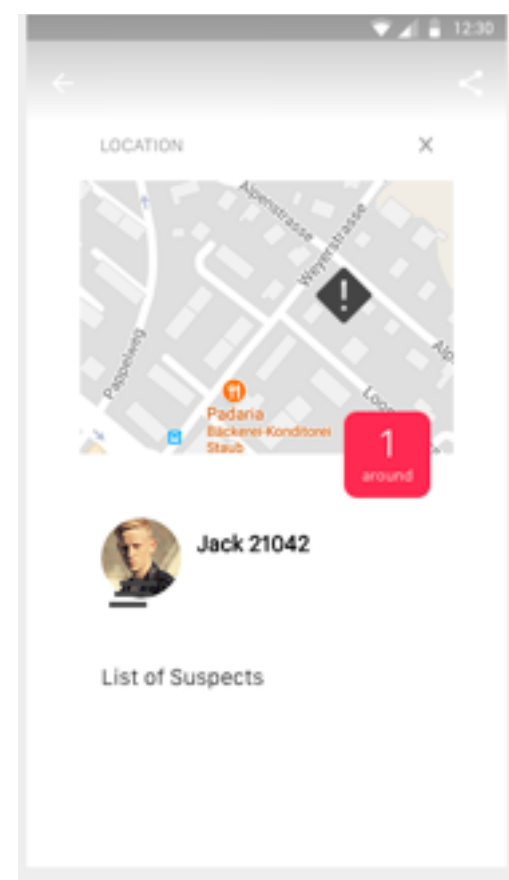
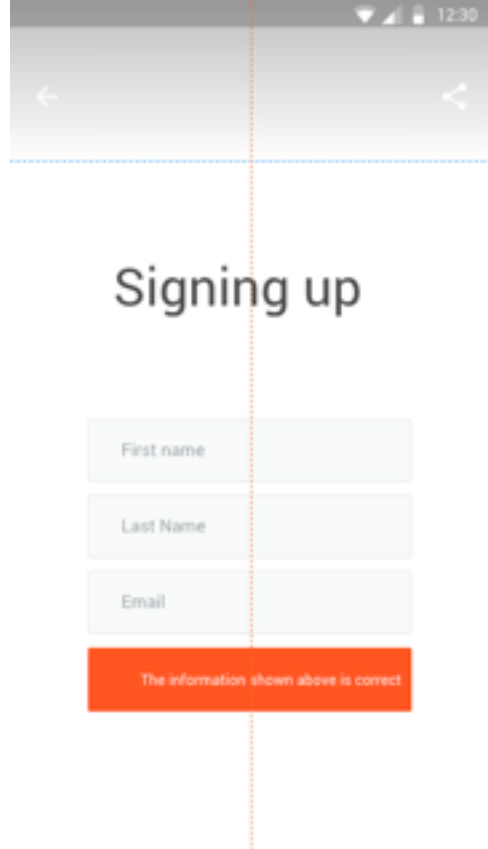
Database tables

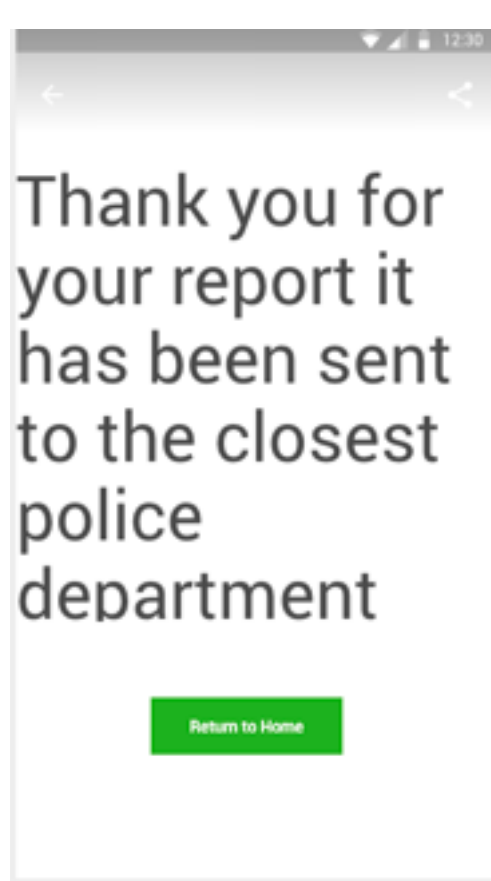
User table:

User Name	User preferred Zip Code	Users last searched Zip Code
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Suspect table:

Suspect Name	Suspect Address	Suspect picture	Suspects Report
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Glossary

- Suspect-person on either the sex offender list or pedophile list
- Report- a file sent to the police office about what you have just witnessed to be later investigated
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