Progress Report
Increment 2
Group #6 - TripleR

1) **Team Members**
   a) Melissa Ma
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   b) William Tsaur
      i) Github: WTsaur
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   c) Rachael Scott
      i) Github: ras16k
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   d) Orlando Lewis
      i) Github: dev-ol/alshaq
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2) **Project Title and Description**
   a) Title: TripleR by WORM
   b) Description: A police misconduct reporting platform iOS app for users to share their experiences and encounters with police by recording important details and evidence of these encounters in a secure, encrypted database. The goal of this app is to provide users a "Report" function that requests information essential to accurate local officer misconduct reports such as officer name, description, vehicle number, witness information, and event description so that a report can be filed more accurately in each community. There will also be a "Record" function that captures events like traffic stops on video. The record functionality is user dependent (user controls if and what the app is recording). There will also be a settings page that will allow users to customize some special features of the application or change the app's permissions. Finally, we aim to provide a "Rights" page that lists users' rights when they are stopped or in tense situations with police. As the scope of law changes drastically in different states, the primary focus will be national laws upheld in Florida as well as state specific law that may aid a person's speech when encountering an officer.

3) **Accomplishments and overall project status during this increment**
   a) Front-end accomplishments
      i) re-implemented/completed record feature
         (1) application asks for permission to access user's camera and microphone
         (2) user can record videos when record button is pressed

          (3) user can choose to either retake video or save the video to their photo library

          (4) application asks for permission to access user's photo library

    ii) Re-implemented report forms

          (1) scrapped dynamic cells and made everything static

          (2) added data persistence to forms

          (3) autofill button re-implemented

          (4) added button to clear forms with double confirmation alert

          (5) added a submit button with confirmation alert (yet to be fully implemented)

    iii) Rights page

          (1) added collapsible tables for question headers and details

          (2) navigation bar

          (3) table view controller with custom cell xib

b) API/ Database

    i) Delete method added

    ii) Edit functionality started in "Add Reports" method

    iii) Save method added

    iv) Query reports in the database based on user

4) **Challenges, changes in the plan and scope of the project and things that went wrong during this increment:**

a) A lot completed during the first increment, at times work for second increment was sparse

b) For the rights page, challenges were encountered with implementing the custom Table View controller programmatically and removing the Title label and Back button

    i) Solution: Add navigation controller to add uniform title and back button to top of all pages

c) Testing challenges: XCode simulators no longer work due to error requiring use of camera

    i) Solution: test on connected iPhone or iOS device

d) A challenge that came up in the API was figuring out the format of the data that would be sent with the request from the Frontend

e) There was an issue with dividing the report data into multiple parts in the database as sub entities.

5) **Team Member Contribution for this increment**

a) Progress report:

    i) William Tsaur (Project Description, Accomplishments, Plans for next increment, Contribution, Video)

    ii) Rachael Scott (Project Description, Accomplishments, Plans for next increment, Challenges, Contributions, Video)

     iii)   Melissa Ma (Project Description, Challenges, Plans for Next Increment, Contributions, Team Members, Video)

     iv)   Orlando Lewis (Project Description, Plans for Next Increment, Contributions, Accomplishments, Team Members, Video)

b) Requirements and Design Document:
- i) William Tsaur (use case textual descriptions)
- ii) Melissa Ma
- iii) Rachael Scott
- iv) Orlando Lewis

c) Implementation and Testing Document:
- i) Melissa Ma (added to Platforms, APIs, Databases, and other technologies used testing related sections of document)
- ii) William Tsaur (updated Platforms, APIs, Databases, and other technologies used, added to all testing related sections of document)
- iii) Rachael Scott (updated Platforms)
- iv) Orlando Lewis (Challenges)

d) Source code:
- i) GUI:
  - (1) Main/Settings/Report/Rights Page Design:
    - (a) William Tsaur
    - (b) Rachael Scott
    - (c) Melissa Ma
    - (d) Orlando Lewis
  - (2) Rights Page Implementation
    - (a) Melissa Ma
  - (3) Record Implementation
    - (a) William Tsaur
  - (4) Report Re-implementation
    - (a) William Tsaur
- ii) API/Database/Server (using pair programming techniques)
  - (1) Orlando Lewis
  - (2) Rachael Scott

e) Video/presentation
- i) William Tsaur
- ii) Rachael Scott
- iii) Melissa Ma
- iv) Orlando Lewis

6) Plans for the next increment
a) API/Database

        i)   Connect the app to the database / test its congruence (fluidity/seamlessness of the connection)

        ii)   Finishing working on "Edit" functionality

  b) Front-End

        i)   finish implementation of submit button

            (1) storing report form data to database

        ii)   fix bug that crashes application when user clears field and tries to submit the report again

        iii)   finish implementation of settings page

            (1) add functionality to settings switches

            (2) possibly change/add to settings

        iv)   finish filling in information text for rights page

            (1) fill in Florida Rights page

            (2) fill in Tips page

            (3) fill in Resources page

7) Link to video: https://youtu.be/XWnUMt1GMh8