Progress Report
Increment 3
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
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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) Finished Implementation of Submit button: implemented data upload
      ii) Re-Implemented Settings Page
      iii) Finished Implementation of Rights page and Rights sub-pages
      iv) Added a way for users to view their previously submitted reports
      v) Added a way for users to attach a video to a report

b) API/ Database
    i) Successfully connected the API to the Triple R App
    ii) Fixed JSON data format to reflect updates values

4) Challenges, changes in the plan and scope of the project and things that went wrong during this increment:
   a) Rights Page
      i) collapsible table view controller was obscuring navigation controller back buttons for Tips and Florida Rights Pages
         (1) solution: went into the code for the cocoapod and adjusted the drawing of the collapsible table view controller to be low enough to allow visibility of the navigation controller
      ii) Discovered a bug with Xcode in which UISwitches do not work within TableViewCells
         (1) solution: due to time constraints, it was easier to simply hard code the settings page via storyboard elements
   b) Due to a lack of time, we were unable to accomplish everything that we wanted with this app, namely the medium and low priority functionalities. There were also other issues such as the fact that we were unable to implement a special settings feature in which the phone would lock itself after recording a video due to Apple's restriction on an application's access to the device's features.
   c) We were unable to get a unique identifier for an individual's device due to Apple's restriction on an application's access to a device's personal information. However, we were able to find a way to use the personal vendor id as a means of personally identifying an individual for the purpose of enabling them to view their previously submitted reports. The issue with this, however, is that the vendor id is created when the app is installed onto the device for the first time. So, if a user were to remove the app from their device and later download it again, they would no longer have access to their previously submitted reports.
   d) On the API end of things, apart from connecting the API to the Triple R app, there was a stall finding work to do due to the majority of the API functionality being complete in Increment 2. Due to the lack of time however, this was not necessarily a complete negative.
   e) Change in API: Due to GET, DELETE & POST working correctly and effectively, there was no need to create an Edit function

5) Team Member Contribution for this increment
   a) Progress report:
      i) William Tsaur (Project Description, Accomplishments, Contribution, Challenges, Video)
      ii) Rachael Scott (Project Description, Accomplishments, Challenges, Contributions, Video)

iii) Melissa Ma (Project Description, Challenges, Accomplishments, Team Members, Video)

iv) Orlando Lewis (Project Description, Accomplishments, Team Members, Video)

b) Requirements and Design Document:

   i) William Tsaur (Overview, Functional Requirements, Non-Functional Requirements, Use Case Diagrams, Class Diagram/Sequence Diagram, Operating Environment, Assumptions/Dependencies)

   ii) Melissa Ma (Overview, Functional Requirements, Non-Functional Requirements, Assumptions/Dependencies)

   iii) Rachael Scott (Overview, Functional Requirements, Non-Functional Requirements)

   iv) Orlando Lewis (Overview, Functional Requirements, Non-Functional Requirements)

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 & Non Executed Based Testing)

   iv) Orlando Lewis (Challenges)

d) README.md

   i) Added images and made slight changes to instructions and made a note that the Silicon M1 chip (arm64) is not supported

      (1) William Tsaur

e) Source code:

   i) GUI:

      (1) Added "attach a video" option to Report page

         (a) William Tsaur

      (2) Re-implemented settings page due to unforeseen difficulties

         (a) William Tsaur

      (3) View Previous Reports: data retrieval from database

         (a) William Tsaur

         (b) Orlando Lewis

      (4) Finished Implementation of Tips Page

         (a) Melissa Ma

      (5) Implemented Resource Page hyperlinks

         (a) William Tsaur

         (b) Melissa Ma

    (6) Fixed issue with back buttons not being visible for certain Rights sub-pages
     (a) William Tsaur
    (7) Updated Settings page
     (a) William Tsaur
    (8) Implemented data upload for report submission
     (a) William Tsaur
  ii) API/Database/Server
    (1) Updated JSON data format
     (a) Orlando Lewis
     (b) Rachael Scott (observed/verified this update)
 f) Video/presentation
  i) William Tsaur
  ii) Rachael Scott
  iii) Melissa Ma
  iv) Orlando Lewis

6) Link to video:
https://youtu.be/ss43M08dq5E