**Progress Report**

**Increment 1**

**Group #6 - TripleR**

1. **Team Members**
   1. Melissa Ma
      1. Github: mm16bn
      2. FSUID: mm16bn
   2. William Tsaur
      1. Github: WTsaur
      2. FSUID: wt18
   3. Rachael Scott
      1. Github: ras16k
      2. FSUID: ras16k
   4. Orlando Lewis
      1. Github: dev-ol/alshaq
      2. FSUID: ol18d
2. **Project Title and Description**
   1. Title: TripleR by WORM
   2. 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**
   1. Application Logo created as well as other art
   2. Application underwent a few design overhauls of the main page
   3. Prototyped designs for Report, Rights, and Settings pages; Settings and Report pages have been partially implemented
   4. Successfully using pair programming techniques to learn & develop new ideas in API source code
   5. Found legal resources and documents to supplement in our Rights page; we decided to hard-code the significant rights and laws exclusive to Florida.
   6. GUI
      1. Created a main page with a settings, record, report, and rights button, and an app name button
      2. App name button
         1. currently just sends user to a page with a neat graphic
         2. working home button in the top left corner to redirect user back to the main page
      3. Record button
         1. currently asks user for camera and microphone permissions
         2. can take video but use video button has no functionality
         3. there is a bug with the retake button where it doesn't respond to touch interaction after taking a video
      4. Rights button
         1. Directs user to an empty page with a working home button in the top left corner
      5. Report Button (current organization is tentative)
         1. directs user to a list of categories
         2. each category can be interacted with to direct user to a page with several fields to be filled out
            1. fields currently do not have labels and a few fields have yet to be properly sized or completed (besides labeling)
            2. this page also has a back button to redirect user back to the categories
            3. Data currently does not persist. Any entered data will be lost after leaving the page
            4. Autofill button is disabled for every page except the "Description of Incident" page because there is no need for auto filling for those pages; autofill button for the page that uses it has yet to be fully implemented (currently just asks user for location permission)
            5. bug with autofill button, if clicked and user does not answer whether or not they wish to allow permissions for some time, the alert seemingly times out and the application will close itself
         3. report page also has a home button in the top left corner
      6. Settings Button
         1. created a list with sections of settings, each cell contains a label and a switch indicating whether or not the setting is off or on
         2. no data persist implemented yet
         3. switches currently have no other functionality besides flipping on and off
         4. working home button in top left corner
   7. API/Database
      1. The API is now live on a server via Azure Devops and is accessible using an url.
      2. There is continuous integration added to the API repository in GitHub to update the server with new code pushed to the branch called deploy.
      3. The Database has recently been updated to store information on reports which is also accessible through the API url.
   8. Overall Status:
      1. GUI is a bit more than a quarter completed.
      2. Database and API functional.
      3. In comparison to the initial scope, the team is on track.
4. **Challenges, changes in the plan and scope of the project and things that went wrong during this increment:**
   1. Did not anticipate end of sprint approaching as quickly as it did (did not set concrete goals to accomplish in a specified amount of time-- although sufficient work was done regardless)
      1. We dealt with this by holding group meetings on Zoom to update each other on our work through screen sharing and demonstrations of the code.
   2. Adapting to a new learning curve and becoming comfortable with new technologies
      1. Group members shared learning resources and personal past projects to share their expertise in certain areas.
   3. Changes in Assignment:
      1. Rachael Scott, originally assigned FrontEnd iOS and Database roles > now primary focus is the API and database development roles.
         1. Reason : Backend needed more support than front
      2. Melissa Ma, originally assigned FrontEnd in XCode & Swift and Database roles > now primary focus is FrontEnd in Xcode & Swift
         1. Reason: Backend now has balanced support (2 front end, 2 back end)
   4. Did not create reminders for end of sprint
      1. Had to cram documentation writing in an untimely manner (successfully accomplished however)
      2. Some source code being privately worked on may not have recent commits pushed to the Github to reflect 100% progress
5. **Team Member Contribution for this increment** 
   1. Progress report:
      1. William Tsaur (Project Description, Accomplishments, Plans for next increment, Contribution, Video)
      2. Rachael Scott (Project Description, Accomplishments, Challenges, Contributions, Video)
      3. Melissa Ma (Project Description, Challenges, Plans for Next Increment, Contributions, Team Members, Video)
      4. Orlando Lewis (Project Description, Plans for Next Increment, Contributions, Accomplishments, Team Members, Video)
   2. Requirements and Design Document:
      1. William Tsaur (Overview, Functional/Non-functional Requirements, Use-case/Sequence diagram, operating environment, assumptions and dependencies)
      2. Melissa Ma (Overview, Nonfunctional Requirements, Functional Requirements)
      3. Rachael Scott (Overview, Nonfunctional Requirements)
      4. Orlando Lewis (Overview)
   3. Implementation and Testing Document:
      1. Melissa Ma (Programming Languages, Platforms, APIs, Databases, and other technologies used)
      2. William Tsaur (Platforms, APIs, Databases, and other technologies used)
      3. Rachael Scott (Programming Languages)
      4. Orlando Lewis (Platforms, APIs, Databases, and other technologies)
   4. Source code:
      1. GUI:
         1. Main/Settings/Report/Rights Page Design:
            1. William Tsaur
            2. Rachael Scott
            3. Melissa Ma
            4. Orlando Lewis
         2. Application logo/art
            1. Rachael Scott
         3. Main Page Implementation
            1. William Tsaur
         4. Settings Page Implementation
            1. William Tsaur
         5. Report Implementation
            1. William Tsaur
            2. Melissa Ma
         6. Rights Page Implementation
            1. William Tsaur
         7. Record Implementation
            1. William Tsaur
      2. API/Database/Server (using pair programming techniques)
         1. Orlando Lewis (primary programmer, “driver”, main source code contributor \*as reflected in GitHub\*)
         2. Rachael Scott (secondary programmer, “navigator”)
            1. \*will implement swapping between roles next iteration
   5. Video/presentation
      1. William Tsaur
      2. Rachael Scott
      3. Melissa Ma
      4. Orlando Lewis
6. **Plans for the next increment**
   1. Finish Report page
      1. have labels, have persisting data, finish implementing autofill button
      2. Link the report data with the databases that have been implemented.
   2. Design & Finish Rights page
   3. Implement a camera function for the Record page.
   4. Finish settings page and access user’s privacy information.
   5. Fix the bug with the retake button for recording and implement the use video button
   6. fix the bug regarding the ask for permissions alert timeout closing the app
   7. Add more tables in the database to store additional information
      1. Add keys and attributes for the report data collected from the app.
   8. Add API endpoints for POST, GET, PUT and DELETE functions to support the App.Along with the endpoints had queryable functions to personalized responses based on users’ credentials (Authorization and Authentication).
7. **Link to video:**

<https://youtu.be/6KhcVGz99Q0>