**Week 6: Weekly Report for COMP 4910 Project Course**

**Deep Map**

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**Summary:**

In the sixth week of the project, we began the development of our second iteration of the app. This iteration will be more representative of the final project, and as such, will be more involved than the last iteration. We have begun setting up the Google Maps API for our project, which is turning out to be more involved than originally anticipated, as there is a significant amount of setup and configuration that must be done natively for the Android project and the iOS project.

We have also begun setting up Firebase in our app. Once integrated, it will be used to store and display the map information as it is displayed on the Deep Map Site. We are also looking to integrate it with a web page for easy content management for our client. We have access to the current Deep Map website on the TRU website, so we will try to implement this on a separate page on that site.

Finally, we have worked to polish the User Interface further, implementing scrolling tabs rather than buttons that lead to different pages.

We also met with our client and discussed distribution of the app once more. We concluded that there is a lot of “red tape” involved with publishing this app through the official TRU channels and it would be best to simply create our own distribution on iOS and Android for this project. Our client advised that she is willing to expense the cost of an Apple Developer Account.

In the coming reading break and next week, we will continue developing our next iteration of the app with complete or near-complete functionality of the MapView and Firebase Integration in anticipation of the coming Midterm Review with our client.

**Task Completion from Last Week**

* Worked toward implementing a MapView in React Native
* Started to setup and integrate the Firebase Database into the React Native project to be integrated with the map locations
* Changed the Tabs on the app into scrolling pages

**Task for This Week**

* Complete the implementation of the MapView for iOS and Android
* Complete the Firebase Integration with the app
* Create a simple WordPress Form for the client to manage content on the app

**Additional Information**

None this week.

**Known issues / things blocking progress**

None this week.