

COMP 3004A Prototype Demo – Dream Team

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Project Name: Simply Active

Team Name: Dream Team

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Demo Description:

The demo will highlight the functional aspects of our app as of Nov 8th, 2020. We are going to show the navigation of our app, which includes a drop-down menu that works from each fragment. This feature enables the user to navigate intuitively through the different pages of our app. The pages are real and are each their own individual fragment, which work independently of each other. The next feature that we intend on showcasing is our “Nearby Activities” which takes the users location through either coarse or fine GPS location and displays a Google Map using the Google Maps API. It is real and based on the device’s geo-location if they enable the permission, otherwise it is based on their given location upon registration. Since we do not have the backend implemented for registering a user profile, the chosen default location if someone chooses not to enable permissions for the app is simulated to downtown Ottawa. Some activities are displayed within proximity to the user, and choices are simulated at this point until we have preferences saved for each user profile. We will display our activity searching component, which is partially real and partially simulated. The default preferences of the user profile will be simulated, but real input from the user will be used to display relevant places using Google Maps and Places API.

Status Report:

Thus far we have implemented the map and began work on using Google Places to display points of interest on the map. Our app allows the user to query Places API and display activities based on some parameters specified by the user on the search page. Nearby Activities shows a map surrounding the user’s location with activities displayed based on distance. Our top navigation has been implemented and enables the user to navigate between fragments. The next step for us is implementing activity recommendations based on the user’s profile and usage history. We also need to implement backend support for logging in and saving the state of the user. Our UI also could be made more aesthetically appealing by including small UI animations. We have had trouble thus far integrating fragments and using variables across different fragments. We were challenged early in the development of Simply Active with the Google Maps API Key being authenticated and responded to by their server. The next month of development will include: implementing the home page, which displays recommendations for the user profile, building a profile page, personalizing the experience of the user, implementing a registration page to initialize profile settings, implementing a login page that authenticates the login through a backend server, activity tracking based on GPS data, reward feedback for users upon completion of activities, and general UI improvements such as colour scheme.

Component Diagram

