Vanier College

**Term Project**

**Final Report**

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Application Development 2 (420-431-VA) section 00002

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Project Aim and Description

This term project had a goal to solve a real-world problem. An issue that our team has thought of is the one of mental health care and how difficult it is to find a therapist that matches ones needs. The application that we have developed, FindMyTherapist, is an application where both customers and therapists may sign up and create an account and customers may look for therapists based on their needs and availabilities.

The way this app works goes as follows. As a user, you may sign up or sign in. To sign up, you are redirected to a page where you can pick whether you are a client looking for a therapist or if you are a therapist yourself. As a client, once signed up, or logged in, a client is redirected to their profile. On their profile, they may view their information, such as their first and last name as well as their email, age, gender and address. From this page you may either sign out, edit your information, see your appointments or look at a list of therapists. When looking at the list of available therapists, you may view their availabilities, view their location, and reserve an appointment with them. As a Therapist, once logged in, like the client, you are redirected to your profile page. From there, you may view and edit the days and times you are available. You may also edit your profile or sign out as well as view your clients and appointments from your profile page. Your clients are essentially clients who have booked an appointment with you.

Functional and Non-Functional Requirements

Functional Requirements:

* UI Interface - Fully functional flow
* Database Connection - SQLite
* CRUD Operations - Adding, deleting, removing and sorting
* Landing Page - Login page
* Recycler view implementation - Search Therapist & others
* Completed UI Interface - Fully functional flow with fragments, recyclerviews, activities and listviews
* API Call - Google Maps API
* Location Awareness - Google Maps with address
* Running on emulator - Fully functional due to code that breaks emulator is commented out

Non-Functional Requirements:

* Authentication - Authentication requires Firebase which was not functional on either teammate’s computer
* Notification Manager - Once again, this feature required Firebase which was not functional on our computers

User Stories

1. As a user, I want to sign up, so that I can use the application
2. As a client, or a therapist, I want to sign in so that I can use the application
3. As a client, or a therapist, I want to sign out, so that no one can use my account
4. As a client, or a therapist, I want to view my profile, so that I can ensure my information is correct
5. As a client, or a therapist, I want to edit my profile, so that I can update my information as it changes
6. As a client, or a therapist, I want to view my appointments, so that I do not forget or miss them
7. As a client, I want to view all therapists, so that I can decide on a therapist to book an appointment with
8. As a client, I want to view the location of the therapist, so that I can know my travel time
9. As a client, I want to view the availabilities of a therapist, so that I can book an appointment at a time that is convenient for me
10. As a client, I want to book an appointment, so that I can have a therapy session
11. As a therapist, I want to view my availabilities, so that I can ensure the information is correct
12. As a therapist, I want to add availabilities, so that I can have slots that my clients may book
13. As a therapist, I want to be able to remove availabilities, so that I can remove time slots that are no longer available
14. As a therapist, I want to be able to have a list of my clients, so that I can be reminded of who I have an appointment with

Test Cases

**Story 01:** Signing up

Scenario 01: Verify that a user may sign up as a client

Given [that the user is a future client]

When [the user clicks on “Sign Up”]

Then [they will be redirected to a page with a choice]

When [the “client looking for a therapist” option is chosen]

Then [the client will be able to enter their information]

When [the “Create an account” button is clicked]

Then [the client account is created]

And [the client my sign in whenever]

Scenario 02: Verify that a user may sign up as a therapist

Given [that the user is a future therapist]

When [the user clicks on “Sign Up”]

Then [they will be redirected to a page with a choice]

When [the “Licensed Therapist” option is chosen]

Then [the therapist will be able to enter their information]

When [the “Create an account” button is clicked]

Then [the therapist account is created]

And [the therapist my sign in whenever]

**Story 02:** Signing in

Scenario 01: Verify that client may sign in

Given [that the client has an account]

When [the client enters their correct email and password]

And [clicks on “sign in”]

Then [the client will be signed in]

And [the client will be redirected to their profile page]

Scenario 02: Verify that therapist may sign in

Given [that the therapist has an account]

When [the therapist enters their correct email and password]

And [clicks on “sign in”]

Then [the therapist will be signed in]

And [the therapist will be redirected to their profile page]

**Story 03:** Signing out

Scenario 01: Verify that client may sign out

Given [that the client is logged in]

When [the client navigates to their profile]

And [clicks on “sign out”]

Then [the client will be signed out]

And [the client will be redirected to the login page]

Scenario 02: Verify that therapist may sign out

Given [that the therapist is logged in]

When [the therapist navigates to their profile]

And [clicks on “sign out”]

Then [the therapist will be signed out]

And [the therapist will be redirected to the login page]

**Story 04:** Viewing Profile

Scenario 01: Verify that client may view their profile

Given [that the client is logged in]

When [the client navigates to their profile]

Then [the client’s information will be displayed]

Scenario 02: Verify that therapist may view their profile

Given [that the therapist is logged in]

When [the therapist navigates to their profile]

Then [the therapist’s information will be displayed]

**Story 05:** Editing Profile

Scenario 01: Verify that client may edit their profile

Given [that the client is logged in and on their profile page]

When [the client clicks on “edit profile”]

Then [the client is redirected to an edit page]

When [the client enters new information]

And [clicks on “update information]

Then [their information is updated in the display and database]

Scenario 02: Verify that therapist may edit their profile

Given [that the therapist is logged in and on their profile page]

When [the therapist clicks on “edit profile”]

Then [the therapist is redirected to an edit page]

When [the therapist enters new information]

And [clicks on “update information]

Then [their information is updated in the display and database]

**Story 06:** Viewing appointments

Scenario 01: Verify that client may view their appointments

Given [that the client is logged in]

When [the client navigates to their appointments]

Then [the client’s appointments will be displayed]

Scenario 02: Verify that therapist may view their appointments

Given [that the therapist is logged in]

When [the therapist navigates to their appointments page]

Then [the therapist’s appointments will be displayed]

**Story 07:** Viewing all Therapists

Scenario 01: Verify that a client may view all therapists

Given [that the client is logged in]

When [the client navigates to the “Search Therapist” page]

Then [all therapists should be displayed]

**Story 08:** Viewing locations

Scenario 01: Verify that a client may view the location of a therapist

Given [that the client is logged in]

And [the client is on the “Search Therapist” page

When [the client clicks on “view location” on one of the therapists]

Then [the location should be displayed in Google Maps]

**Story 09:** Viewing availabilities

Scenario 01: Verify that a client may view the availabilities of a therapist

Given [that the client is logged in]

And [the client is on the “Search Therapist” page

When [the client clicks on “view availabilities” on one of the therapists]

Then [the availabilities should be displayed on a different page]

**Story 10:** Booking an appointment

Scenario 01: Verify that a client may view the availabilities of a therapist

Given [that the client is logged in]

And [the client is on the “view availabilities” page of a therapist

When [the client clicks on “book now” on one of the availabilities]

And [confirms the booking]

Then [the appointment should be made]

And [the availability no longer available]

**Story 11:** Viewing availabilities

Scenario 01: Verify that a therapist may view their availabilities

Given [that the therapist is logged in]

And [the therapist is on their profile page]

When [the therapist clicks on “view availabilities”]

Then [their availabilities should be displayed on a different page]

**Story 12:** Adding availabilities

Scenario 01: Verify that a therapist may add an availability

Given [that the therapist is logged in]

And [the therapist is on their view availabilities page]

When [the therapist clicks on “Select Date”]

And [selects a date]

And [the therapist clicks on “Select Time”]

And [selects a tme]

And [clicks on “add availability]

Then [the availability should be added to the list]

**Story 13:** Removing availabilities

Scenario 01: Verify that a therapist may add an availability

Given [that the therapist is logged in]

And [the therapist is on their view availabilities page]

When [the therapist clicks on “Delete Availability”]

Then [they will be redirected to a different page]

When [they click on “delete” on the availability they wish to remove]

Then [The availability will be removed]

**Story 14:** Viewing my clients

Scenario 01: Verify that a client may view their clients

Given [that the therapist is logged in]

When [the therapist navigates to the “My Clients” page]

Then [the clients who have booked an appointment with them should be displayed]

Individual’s Roles and Responsibilities

The Roles and Responsibilities of this project were very split. One team member may start a task and the other debug/complete it. No set tasks were given to any one member, but here is the task list and how it went:

* UI Design - Christina Kallas did it for the most part, but Sarah Primavera did a couple of pages/fragments
* Database Implementation - Sarah Primavera did it for the most part, but Christina Kallas did a couple of CRUD operations
* Login/Signup - Sarah Primavera
* Sign Out - Christina Kallas
* Booking an appointment - Both members worked on this, Sarah got it functional
* Adding availabilities - Both Christina and Sarah worked on this
* Date Time Picker - Sarah did it for the most part, Christina helped
* Removing availabilities - Sarah did it for the most part, but Christina helped with
* Editing profiles - Christina did it for the most part, but Sarah debugged
* Displaying profile info - Sarah completed this
* Displaying Therapists - Christina did it for the most part, but Sarah debugged
* Displaying appointments - Christina did it for the most part, but Sarah debugged
* Displaying my clients - Christina did it for the most part, but Sarah debugged
* Google Maps API - Sarah Primavera
* Final Report - Christina Kallas