Project Proposal SODV3203

# Project Name: L.A.D

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# Description of the L.A.D Application:

# The application is called L.A.S, it is a trip planning application where users plan their trip. Users can plan their trip and customize the way they want to plan the trip depending on their own needs. L.A.S has features where the application can a user can see what type of weather it will be once they go out, using Open weather API. Users can also pick their date of when they would like to depart. Another feature that users can use is a budget tracker, they can set a fixed budget so that they do not overspend during their trip. Data will be stored locally in a database by using SQLite. The objective of the application is to create a trip planning application that allows users to become creative in their trip planning and cater to their planning needs. L.A.S allows for more room to grow in terms of features and design which will be a challenge.

# Use case examples:

1. As a user I want to be able to manage my travelling budget accordingly so that I don’t waste my money before I even get to my destination.
2. As a user I want to be able to register to the application so I can create my trip plans.
3. As a user I want to be able to log in, create and save my trip plans.
4. As a user I want to be able to select a date of when I will be going on my trip.
5. As a user I want to be able to know what the weather will be at my current location so that I know what the weather will be when I go on my trip.

# Key features:

* Weather API to show them the current weather for their trip
* A budget planning feature that shows how much they are going to spend during their trip and will be notified if they have gone over their budget.
* Create, Read, Update, and Delete trip events
* History log of their previous trips

# Supporting material:

* Android Studio developer fundamentals:  
  <https://developer.android.com/courses/fundamentals-training/overview-v2>
* Open Weather API:

<https://openweathermap.org/api>

* Flaticon for icons:  
  <https://www.flaticon.com/free-icons/android>
* User guide android studio:  
  <https://developer.android.com/studio/intro>
* Material Design:  
  <https://material.io/resources/tutorials#android-java>
* Wireframe whimsical:  
  <https://whimsical.com/>
* SqlLite:

<https://www.sqlite.org/index.html>

# Goals:

These are set goals for the application.

- Create UI Design of the app

- Login page

- Sign up page

- Home page

-Create Trip Page

- locally stored database SQL Lite

- Learn third party API’s such as Open Weather API

# Wireframes:

<https://whimsical.com/l-a-s-wireframes-Po1T9dQytMCMxy6UCkSii5> for a better look

Diagram

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