Project Proposal SODV3203

# Project Name: L.A.S

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# Description of the L.A.S 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 determine how long the destination will take depending on the users means of transportation using Google’s geolocation API services. Users can also create a packing list where they can be reminded of the things they need to pack for the trip. 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 subject to change for later. Lastly the application can save previous trips so that if a user were to use the same trip route they can do so. 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 see how long it will take for me to get from destination a to b.
2. As a user I want to be able to re-use the same trip route so that I don’t have to create a new one every time I want to go the same location.
3. As a user I want to be able to create a packing list where I will be reminded of the things I need to pack.
4. 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.
5. As a user I want to be able to customize my trip so that I can make my trip an enjoyable experience.
6. As a user I want to be able to register to the application so I can create my trip plans.
7. As a user I want to be able to log in, create and save my trip plans.

# Key features:

* Google location services that track the user’s location but only if they are not transporting by plane or by sea
* Packing log where users will have a list of things they will have to pack for the 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:

* Geolocation API google: <https://developers.google.com/maps/documentation/geolocation/overview>
* Android Studio developer fundamentals:  
  <https://developer.android.com/courses/fundamentals-training/overview-v2>
* 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.

\*\*Notice: there is not a set schedule for when these features will be finished\*\*\*

- Create UI Design of the app

- Login page

- Sign up page

- Home page

- Pack Log page

- locally stored database SQL Lite(subject to change)

- Learn third party API’s such as google geolocation

# Wireframes:

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

Diagram

Description automatically generated with low confidence