



UTEP Maps

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Overview

UTEP Maps is a project created for helping all people navigate on the UTEP campus with an easy and intuitive app for both Android and iOS users. This project was started on 4/1/21 by Noah Padilla and Sofia G.

Goals

1. Create a GPS students can use on campus that navigates to anywhere on campus
2. Show other resources on campus such as campus: eateries, shuttle stops, buildings and parking areas.

Specifications

The end goal is to create an app that works for both Android and iOS that fulfills the goals above. In order for this app to work on both mobile OS's, this app will be built using Flutter in the Android Studio IDE.

IDE and Dependencies

Android Studio will be using Flutter SDK and will be coded in Dart. An android emulator will be used with the most common and popular version of android OS. The version of Android OS is TBA once the 3rd milestone (see below) is complete.

API's

The API we will be using will be OpenStreetMap. Their maps have the updated UTEP campus and seem easy to use. The link below is a map of the current UTEP campus -

<https://www.openstreetmap.org/#map=18/31.76904/-106.50517&layers=C>

Milestones

- I. Complete prototype 1 using Justinmind prototyper
- II. Refine prototype 1 by and make prototype 2 using Justinmind Prototyper
- III. Complete Prototype 3 using Android Studio and Flutter
 - A. Between 2nd and 3rd go talk to UTEP about including them
 - B. Possible 4th prototype - the 3rd prototype would get feedback from UTEP and apply it to a 3rd static prototype then final prototype using flutter will begin
- IV. Propose App to other students to test APP
- V. Update App and fix bugs
- VI. Propose APP to UTEP and deploy it for free.