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 and developed by Noah Padilla.

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 Visual Studio Code environment.

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://pub.dev/packages/flutter_osm_plugin

Milestones

I. <u>Complete static prototype 1 using Justinmind prototyper (completed 3/16/22)</u>

II. Complete dynamic prototype 2 in VS code

III. Complete final dynamic prototype 3 in VS code

IV. Propose app to other students to test the app

V. Update app and fix bugs

VI. Propose app to UTEP.

Update	**Date**
Updated contributors, osm api link, and milestones	5/10/2022