

# Project3 - Description

August 14, 2019

## 1 Project 3:Android App

The goal of the three course projects is to get towards building a finished “Web Application”. The three project iterations will get us there incrementally

- **Project1:** Develops the basic data model in SQL for storing out application’s data, followed by python utility functions to manipulate the data.
- **Project2:** Deploys the application to the “cloud” (Google App Engine’s appspot.com site) and presents a web interface to the application.
- **Project3:** Develop an Android app (written in Kotlin) to access the site.

I will continue to use “PickupSport” as the context for explaining what the third phase of project must possess in terms of features.

*The narrative:* There are a lot of venues for pickup sports in Austin but there is no way to find out where there is one now (or in the future) that one can join. Enter PickupSport site that allows you to either start a new pickup sport event or join one that somebody already started

### 1.1 A Mobile App Interface

The goal of this phase is to write an Android App that allows a user to access the functionality you implemented in phases 1 and 2. Only a subset of the feature implemented in phase 2 need to be made available in the App interface. Specifically, as the user of the App is not an admin, you only need to implement the features associated with the user’s interaction.

An important thing to note is that all of the features from phase 2 must still be functional from the web interface. That is, you will need to *regression test* to make sure phase 3 has not broken phase 2.

At the least, your App needs to have the following features

#### 1. Account management:

- Create an account
- Login into an account
- Logout from an account

#### 2. App related functions

- Search for events

- Join an event
- Show events the user has currently joined in
- Create an event - This is optional and only makes sense if users are allowed to create events

## 1.2 Project Documentation

You will write up some static site content for your application (as a route on your appspot.com site: `<yoursite>.appspot.com/info`) The site must provide the following details about your project:

1. The narrative for your project
2. A howto for the web interface with screenshots
3. A howto for the App interface with screenshots
4. A download button to allow a visitor to download the App
5. An “about” page with a brief description of what the does and who the team members are.