Design Document

**Application Purpose**

The purpose of ParkingUCR is to help people find the free parking spaces in UCR. The app will get real time information about 6 UCR parking lots and show the information to users, including parking lot address, parking lot name, total spaces, and free spaces. Also, the app will include a reminder function. People can set a timer in the app, and when the time is up, the app will send a reminder to the users. In order to make this software more user-friendly, it will use GPS to show the specific location of users and these parking lots, there will also have a link to get navigation from Google Map.

**Information Included and How It Meets the Goal of the Web Site**

People who browse this website will find the following:

1. Detail information of the parking lots
2. A button which is used to refresh the data
3. Button to open GPS page
4. Button to set a reminder

**Developer Tools**

Android Studio, Android SDK, ava JDK, various API.

**Function and structure**

