Design Document

**Application Purpose**

The purpose of ParkingUCR is to help people find the free parking spaces in UCR. The app will get the real time information about 6 UCR parking lots and show the detail of these information to users, including parking lot address, parking lot name, total spaces, and free spaces. Also, the app will include a timer 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 to show the available parking spaces in UCR. In order to make this software more user-friendly, it will use GPS to show the specific location of the parking lots to the users and try to navigate.

**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 , java JDK , various API .

**Function and structure**

