

# Project Release Plan



## UCSC Parking Oct 6, 2015

### Park Squaddddd

Shrey Valia - Product Owner

Ramin Ebrahimi

Aman Manglore

Danielle Positeri - Scrum Master

Curtis Liew

Peter Kotik



# Project Release Plan

## UCSC Parking

### **Problem:**

Occupancy of Parking Lots on campus

### **Solution:**

Build an application incorporating the use of real-time information from sensors to display how many parking spots are open.

# Project Release Plan

## Potential Sponsors

- Transportation & Parking Services (TAPS)
- Placemeter
- Pf. Adam Millard-Ball
- ITS



## UCSC Parking

### Sprint 1

- As a Developer, I need to get more information about sensors so that we understand the constraints our project is under.
- As a Developer, I need to set up a database to store information about available parking spaces.
- As a User, I need to have an intuitive Android UI to efficiently display the available parking spaces.

## UCSC Parking

### Sprint 2

- As a User, I need to retrieve information from the mobile application so I can view the available parking spots.
- As a User, I need the sensors to relay parking information to the database in real-time.
- As a Developer, I need to fetch data from the database so the Android application can be updated in real-time.

## UCSC Parking

### Sprint 3

- As a User, I need a finished product so UCSC students can find open parking spaces on campus.
- As a UCSC Student, I need to be able to find open parking spaces through the mobile app so I can park my car and go to class.

## UCSC Parking

- Parking Sensors
  - Placemeter, IRIS
- Parking Sensor Controllers/ Servers:
  - (Raspberry Pi)
- Android Mobile Application

## UCSC Parking

### Funding

- Purchasing of hardware.

### Unfamiliar Technology

- Controllers, Databases, Connectivity.

### Software Management

- Incorporating Database to Android Application.

### Project Completion

- Delivery of project.



## UCSC Parking

### Technology 1- Programming Languages

Java, XML, mySQL, Apache

### Technology 2 - Hardware

Placemeter/IRIS, Raspberry Pi

### Technology 3 - Development Environment

Android Studio, Eclipse, TOAD/SQL Server