Sprint 1 Plan
UCSC Parking App

Goal:

To get our project started, we need to dedicate a lot of time to planning how to get sensors and servers allocated to us. Another goal will be setting up the database and UI.

User-Stories:

1. As a Developer, I need to get more information about sensors so that we understand the constraints our project is under.

   o Meeting with TAPS to get feedback about sensors that would work on campus - 1 hr

   o Contact Placemeter to get information about acquiring a sensor - 4 hrs

   o Contact TAPS about IRIS to use information stored in metered parking lots - 3 hrs

   o Consider backup options for sensors in case other plans do not work out - 4 hrs

2. As a Developer, I need to set up a database to store information about available parking spaces.

   o Contact Project Management about servers on campus - 2 hrs

   o Contact ITS to get a server from campus - 2 hrs

   o Request VM to host server - 1 hr

   o Learn server OS, Ubuntu - 15 hrs

   o Set up server database - 6 hrs

3. As a Developer, I need to create an intuitive Android UI to efficiently display the available parking spaces to the user.

      ○ Team meeting about UI design - 1 hr

      ○ Individual design UI - 2 hrs

      ○ Implementing UI - 30 hrs

4. As a UI developer, I need to create documentation to make the implementation process more clear.

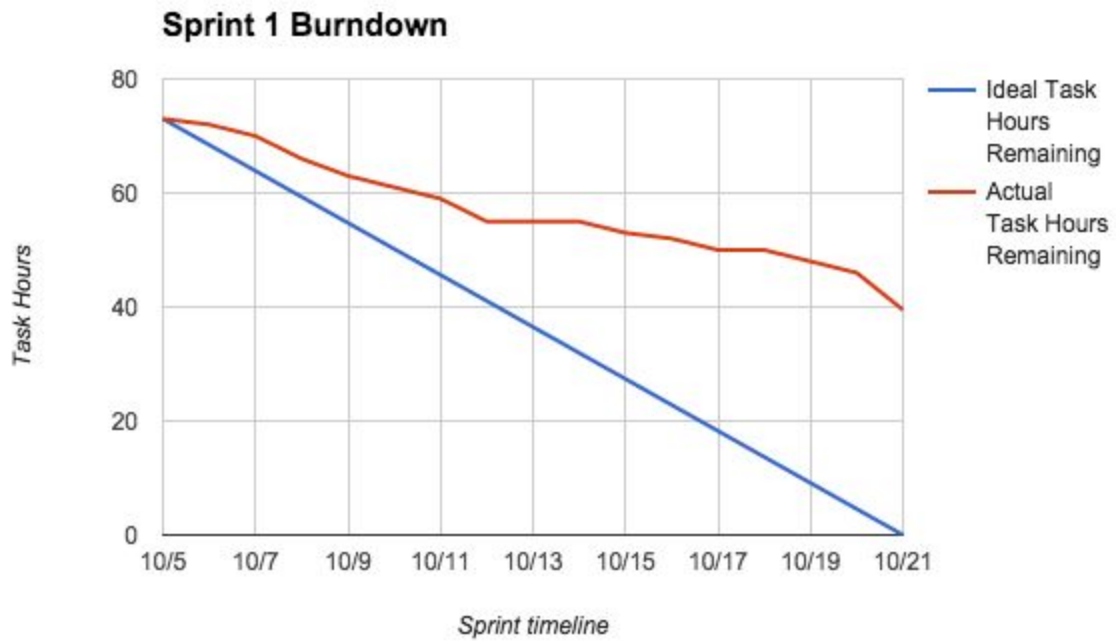   ○ Create workflow diagram - 3 hrs

Team Roles:

- Curtis: UI developer
- Peter: UI developer
- Ramin: UI developer
- Aman: Database developer
- Danielle: Database developer, Scrum Master
- Shrey: Database developer, Communications

Initial task assignment:

- Curtis - US 3: Implement UI
- Peter - US 3: Implement UI
- Ramin - US 1: Consider backup options
- Aman - US 2: Learn server OS, Ubuntu
- Danielle - US 2: Learn server OS, Ubuntu
- Shrey - US 2: Learn server OS, Ubuntu

Burnup chart:

Sprint 1 Burndown

Task Hours (y-axis)

- Ideal Task Hours Remaining
- Actual Task Hours Remaining

Sprint timeline (x-axis): 10/5, 10/7, 10/9, 10/11, 10/13, 10/15, 10/17, 10/19, 10/21

Scrum times:

1. Monday --- 10 AM - 10:45 AM
2. Wednesday -- 10 AM - 10:45 AM
3. **Wednesday --- 3:45 PM - 4 PM (TA visit)**
4. Friday --- 10 AM - 10:45 AM