Release Plan: Slug’s Bus Schedule

Version: 0.0.0. Genesis

Team: T.E.A.M.

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# High Level Goals

* User within the campus can know the nearest bus stop list all routes that go through the bus stop (GPS)
  + I am a user, and I want to be able to log into the application (1)
  + I am a user, and I want to be able to see where my current location is (3)
  + I am a student, and I want to be able to see where my location is on a map (Google Map api)(1)
  + I am a student, and I want to know the direction the bus is heading(1)
  + I am a student, and I want to see my nearest bus stop(2)
  + I am a student, and I want to see what routes I can take from my bus stop(2)
  + I am a student, and I want to see how many minutes a bus will arrive at my stop(1)
* Measure and report how crowded the bus is
  + I am a student, and I want to see how crowded the bus is at each stop(1)
  + I am a student, and I want to be able to report how crowded a bus stop is(2)
  + I am a student, and I want to know if it is raining (affects bus use)(2)
* Web crawler to get the bus schedule from santa cruz website, if too difficult manually input route data into program
  + I am a user, and I want to see the bus schedules for each bus(provide pdfs)(2)

# User Stories for Release

* Sprint 1:Basic UI (rephrase into stories), framework (Points: 6)
  + I am a student, and I want to see what routes I can take from my bus stop(2)
  + I am a user, and I want to see the bus schedules for each bus(provide pdfs)(2)
  + I am a user, and I want to be able to log into the application (1)
  + I am a student, and I want to know the direction the bus is heading(1)
* Sprint 2: GPS, Database design (Points: 6)
  + I am a user, and I want to be able to see where my current location is (3)
  + I am a student, and I want to see my nearest bus stop(2)
  + I am a student, and I want to be able to see where my location is on a map (Google Map api)(1)
* Sprint 3: (Points: 6)
  + I am a student, and I want to know if it is raining (affects bus use)(2)
  + I am a student, and I want to be able to report how crowded a bus stop is(2)
  + I am a student, and I want to see how many minutes a bus will arrive at my stop(1)
  + I am a student, and I want to see how crowded the bus is at each stop(1)

# Product Backlog

* I am a student, and I want to chat with people who take the same route of bus with me.

# Additional Information

Notes:potential frameworks Spring boot, MVC

Database: MySQL

Languages: Java, Javascript, MySQL

Using github

Potential hosting for the database: AWS, google cloud, Azure, just run it off of a laptop and find a free domain

Scrum masters:

* Sprint 1: Cyrus
* Sprint 2: Karl
* Sprint 3: Calvin and Josh