Sprint 3 Plan Slug’s Bus Schedule

Version 0.2.0. Leviticus, T.E.A.M.

# Goal

Implement a system within the web app where users can report the bus crowd size as either empty/ slightly filled(green), partially full (yellow), or full/ crowded (red). Create an algorithm that will take the user reports and decide what color to display the bus card. The algorithm will take into account the amount of reports for each category and how recent the reports were. Users will then be able to see easily see each bus and how crowded they are as well as see how many people reported the bus as a certain category.

# Task Listing and roles (by user story)

* I am a user, and I want to see which direction a bus is coming from/ going to, so that I know which side of the street my bus stop will be.

**Story Points: 2**

* + Task 1:
    - Categorize each bus by their direction(the STREET field in the schedules database)
  + Task 2:
    - add new portion in the bus card to display what the direction the bus is coming from (Specify if Bus Direction is headed east or west)
* I am a user, and I want to report how crowded the bus that I am currently taking is, so that other users may avoid taking this bus and thus prevent more crowding.

**Story Points: 8**

* + Task 1:
    - Add new mapping table to the SQL database that will map the ID of the bus as the foreign key, to 4 other columns that represent each of the 3 different status options for bus crowds, and a final column that would contain the current status of the bus to be displayed to the user(2 hours)
  + Task 2:
    - Create stored procedure to update the bus status based on the number of report types within a set unit of time (2)
  + Task 3:
    - Allow users to rate bus crowds for each bus card on a scale of 1 to 3, where 1 is not crowded, and 3 is crowded (1)

**Total Hours: 5 hours**

* I am a user and I want to see how crowded each bus is and when the status of that bus was updated, so that I may be able to choose a less crowded bus to take. **Story Point: 3**
  + Task 1:
    - Use the decided color for a bus card to display the bus card as that color across all bus stops matching the bus key.(1)
  + Task 2:
    - Design bus cards in such a way that the user can view information from this bus in a clean and simple format (2)

**Total Hours: 3**

* I am a user, I want the Slug Bus Schedule application to be usable on my mobile device
  + Task 1:
    - Move “Find my bus” button
  + Task 2:
    - Utilize more responsive components of the Bootstrap framework

# Team roles

Riwen: PO

Josh: Team member

Cyrus: Team member

Calvin: Scrum Master

# Initial task assignment

Calvin: User Story

Riwen: User Story

Josh: User Story

Cyrus: User Story

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