

Sprint 3 Plan - GeoBus by Bus Squad (Android)

Sprint 1 completion date is 11/25/2015. Revision 1 on 11/25/2015.

Goals

- See the route a particular bus takes with registering an onclick event on its marker
- Show the entire SC Metro bus schedule within the app
- Create a consistent aesthetic to ensure a more pleasant UX
- Create a hamburger menu for additional future features/other settings
- Create assets + framework for identifying/retrieving all bus stops and bus routes
- Squash all bugs

Task listing, organized by user story

- [22 points] As developers, we want to have a complete database to work with
 - Add outer/inner/upper campus to time table file. [T. 1h]
 - Add every stop's time to JSON file schedule. [T. 8h]
 - Create a SQL database. [T. 13h]
- [4 points] As a team, we want a consistent aesthetic to ensure a more pleasant UX.
 - Make/Find Creative Commons Icons. [T. 1h]
 - Implement marker clustering for bus stops. [T. 2h]
 - Contact Ahmad to ensure iOS aesthetic is consistent. [T. 1h]
- [10 points] As a user, I want to see a bus' route displayed on the map so that I know where that bus is travelling
 - Figure out representation of routes on Google Maps API. [T. 1h]
 - Highlight remainder of route on road. [T. 3h]
 - Using the latitude and longitude info from the XML file, slightly offset the latitude and longitude information so the arrow is in a seeable position. [T. 3h]
 - Either by defining ranges (8-way arrows) or using the distance formula in some way, display an arrow pointing in the direction of movement. [T. 3h]
- [21 points] As a Metro rider, I want to see the bus schedule within the app so that I can plan my trips accordingly
 - Make hamburger menu for full schedule & future features. [T. 5h]
 - Make the full bus schedule dynamic so that it highlights time-relevant buses [T. 3h]
 - Make info window which displays user's selected bus stop's schedule. [T. 8h]
 - Make bus schedule into easily parsable JSON file. [T. 5h]
- [2 points] As a user, I want to use a bug-free application so that I preserve my sanity
 - Squash connectivity bug. [T. 1h]

- Address permissions and the way they are granted in Android 6.0. [T. 1h]

Team roles

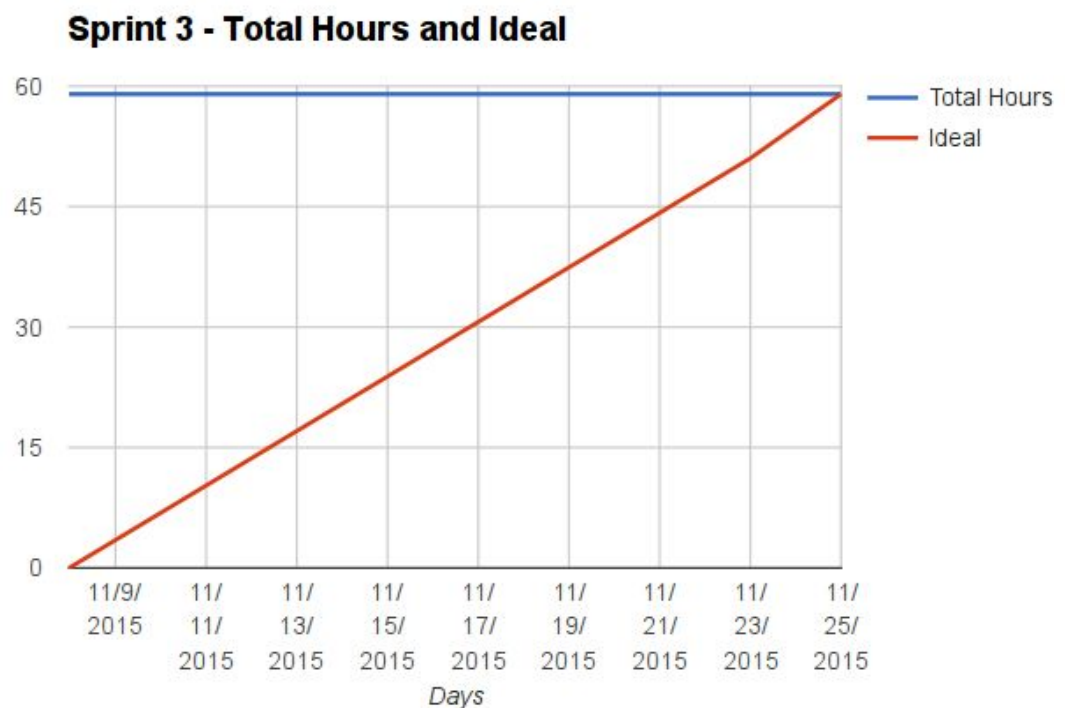
- Alvaro Gomez: Product Owner, Developer
- Gerald Brown: Scrum Master, Developer
- Jose Guzman: Artist/Developer
- Joseph Sylvia: Producer, Developer

Initial task assignment

- Alvaro Gomez:
 - As a Metro rider, I want to see the bus schedule within the app so that I can plan my trips accordingly
 - Make hamburger menu for full schedule & future features.
 - Make the full bus schedule dynamic so that it highlights time-relevant buses
- Gerald Brown:
 - As a user, I want to see a bus' route displayed on the map so that I know where that bus is travelling
 - Figure out representation of routes on Google Maps API.
 - Highlight remainder of route on road.
 - Using the latitude and longitude info from the XML file, slightly offset the latitude and longitude information so the arrow is in a seeable position.
 - Either by defining ranges (8-way arrows) or using the distance formula in some way, display an arrow pointing in the direction of movement.
 - As a user, I want to use a bug-free application so that I preserve my sanity
 - Squash connectivity bug.
 - As developers, we want to have a complete database to work with
 - Add outer/inner/upper campus to JSON time table file.
 - As a team, we want a consistent aesthetic to ensure a more pleasant UX.
 - Implement marker clustering for bus stops.
- Jose Guzman:
 - As developers, we want to have a complete database to work with
 - Create a SQL database.
 - As a team, we want a consistent aesthetic to ensure a more pleasant UX.
 - Make/Find Creative Commons Icons.
 - Contact Ahmad to ensure iOS aesthetic is consistent.
 - As a Metro rider, I want to see the bus schedule within the app so that I can plan my trips accordingly
 - Make info window which displays user's selected bus stop's schedule.

- Make bus schedule into easily parsable JSON file.
- Joseph Sylvia:
 - As developers, we want to have a complete database to work with
 - Add every stop's time to JSON file schedule.
 - As a user, I want to use a bug-free application so that I preserve my sanity
 - Address permissions and the way they are granted in Android 6.0

Initial burnup chart



Initial scrum board

See BE 316.

Scrum times

All meetings take place in BE 316.

- Monday, immediately after CS115. Start at 12:20-12:30ish. Stan will attend these.
- Wednesday, before CS115. Start at 9:15-9:20ish.
- Friday, immediately after CS115. Start at 12:20-12:30ish.