

Sprint 1 Plan - GeoBus by Bus Squad (Android)

Sprint 1 completion date is 10/21/2015. Revision 1 on 10/21/2015.

Goals

- A working, basic UI that displays the position of one campus bus in realtime (or close to it, refresh rate ~5 seconds)
- Display a dot on the map that shows the user's current location.
- Show bus stop locations on the map.

Task listing, organized by user story

- [2 points] As developers, we want to organize into two teams so that we have an iOS and Android team.
 - Split up the greater group into two teams, each with our own projects. [T. 1h]
 - Decide on meeting times. [T. 1h]
- [2 points] As a team, we want to meet with Kerry Veenstra, one of the Slugroute.com creators/maintaners, so that we can get the information we need for GeoBus.
 - Email Kerry so we can arrange for a meeting time. [T. 1h]
 - Have the meeting and record notes. [T. 1h]
- [2 points] As a user, I want to open the app and see a campus map and my current location so that I know where I am.
 - Get Google Maps API key and Android Studio up and running. [T. 1h]
 - Ensure the user's current location is being displayed. [T. 1h]
- [3 points] As a user, I want to see bus stops on the map so that I know where the bus stops are.
 - Hardcode stops in or parse a JSON file that contains stops' coordinates. [T. 2h]
 - Display the stops using an appropriate icon. [T. 1h]
- [3 points] As a user, I want to tap on a bus stop and see a text box open up so that I can get more information on a particular bus stop.
 - Get a simple text box to display when a stop is tapped on. [T. 1h]
 - Have actual relevant information in the box, or at least the ability to place what we want in there. [T. 2h]
- [13 points] As a user, I want to see one bus on the map so that I know it's possible to see the current location of a bus and see more buses get added in the future.
 - Find, modify, and implement an XML parser for reading the XML file Slugroute.com uses. [T. 7h]
 - Make this information display in some manner, at least stored in some variable. [T. 4h]

- Use information stored in variables to make a drawable update at an appropriate interval on the map. [T. 3h]
- [8 points] As a user, I want to see an arrow on a bus so that I know what direction it's traveling in.
 - 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. 4h]
 - 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. 4h]

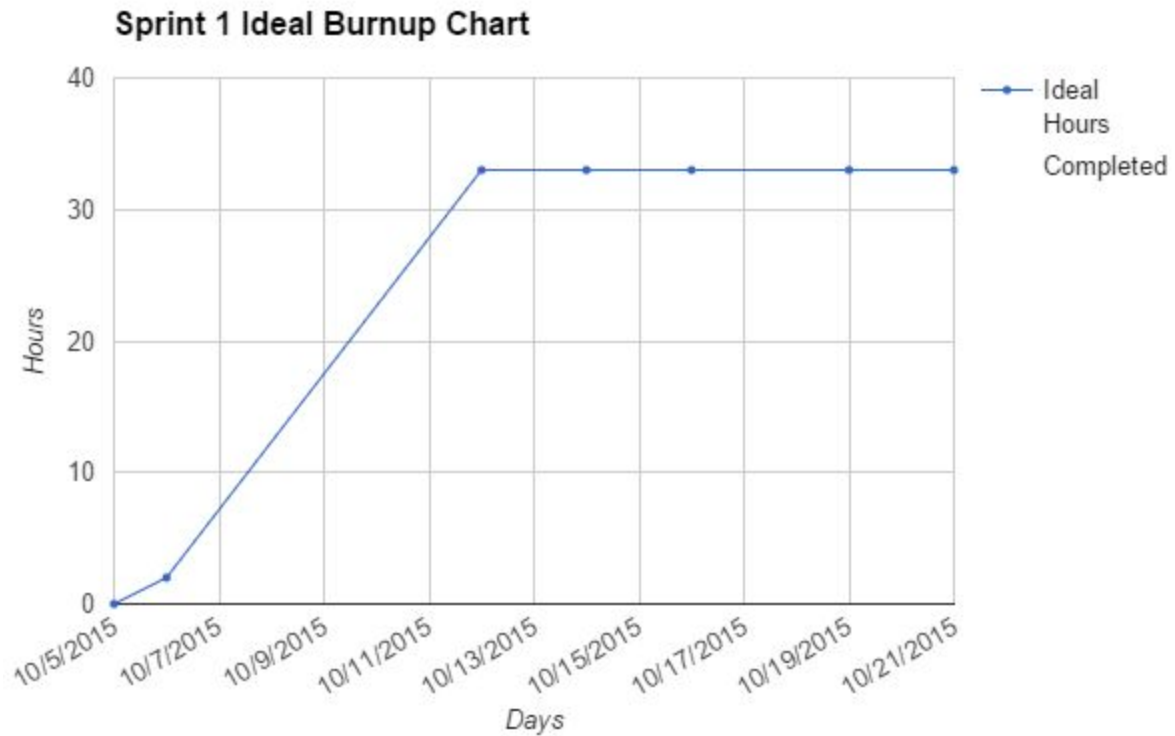
Team roles

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

Initial task assignment

- Alvaro Gomez:
 - As developers, we want to organize into two teams so that we have an iOS and Android team.
 - Decide on meeting times.
- Gerald Brown:
 - As a user, I want to see one bus on the map so that I know it's possible to see the current location of a bus and see more buses get added in the future.
 - Find, modify, and implement an XML parser for reading the XML file Slugroute.com uses.
- Jose Guzman:
 - As a user, I want to see bus stops on the map so that I know where the bus stops are.
 - Hardcode stops in or parse a JSON file that contains stops' coordinates.
- Joseph Sylvia:
 - As a user, I want to open the app and see a campus map and my current location so that I know where I am.
 - Get Google Maps API key and Android Studio up and running.

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.