

Sprint # 4 Plan 1

EasyRoute

Revision #1

May 22, 2024

Goal: Community feature for users to share accessible locations and tips

Task List:

User story 1: As a user, I need to be able to see where an elevator is to get to an upper level. [3]

 Indoors

- Task 1: Find the openstreetmap map that contains the elevator icons/locations for UCSC campus. (2 hrs)
- Task 2: Add the elevator data to our openstreet basemap then extract data (geoJSON) using overpass turbo. (2 hrs)
- Task 3: Add this geoJSON data to our code, ensure elevator locations show up on map. (3 hrs)

Total for user story 1: 7 hrs

User story 2: As a user, I want to be able to choose whether I'm walking, driving, or using any other travel mode. [3]

- Task 1: Add frontend for user to choose travel mode before calculating route. (2 hrs)
- Task 2: Add code that takes in user's chosen travel mode and edit API call profile accordingly. (2 hrs)

Total for user story 2: 4 hrs

User Story 3: As a user, I want to be able to click on a location on the map and see accessibility features of the facility. [3]

- Task 1: Search for data that contains data on elevator, wheelchair accessibility, etc. (3 hrs)
- Task 2: Add frontend for pop-up whenever a building is clicked. (2 hrs)
- Task 3: Extract data from our geoJSON files to display information about the buildings (building name, elevators, wheelchair accessibility, etc.) (4 hrs)

Total for user story 3: 9 hrs

User story 4: As a user, I want to be able to click on a location on the map and report any accessibility features in need of repair. [3]

- Task 1: Add frontend for reporting repair button. (1 hr)
- Task 2: Create a form for reporting repairs, HTML element with text fields. (3 hrs)
- Task 3: The location of the report will be highlighted/displayed on the map. (3 hrs)

Total for user story 4: 7 hrs

User story 5: Fixing up the UI of the map.

- Task 1: Adding a background to the map (terrain, texture). (3 hrs)
- Task 2: Use uniform font-styling. (1 hr)
- Task 3: Add styling to legend (add background). (1 hr)
- Task 4: Change layout of search bar (creating another building card class). (4 hrs)
- Task 5: Remove FPS display. (1 hr)
- Task 6: Add logo and name of app in upper-left corner. (1 hr)
- Task 7: Add logo to window tab. (0.5 hr)

Total for user story 5: 11.5 hrs

Team Roles:

- Megan: Product owner, developer
- Adora: scrum master, developer
- Brandon: developer
- Hazel: developer

Initial Task Assignment:

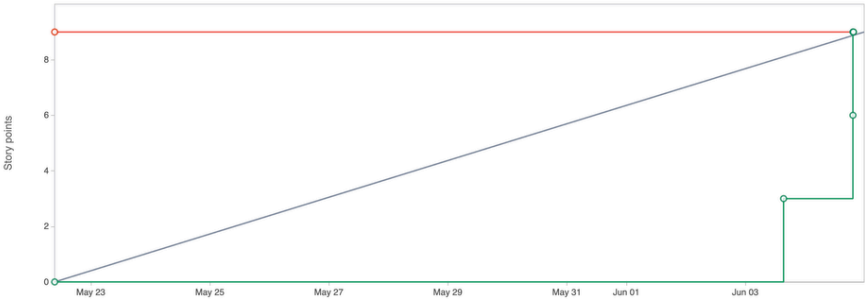
- Megan: user story 4: task 2 (form), user story 5: task 6 & 7
- Adora: User Story 5: Task 4 (Search Functionality bug), user story 1: task 1 (researching elevator data)
- Brandon: user story 2 (travel mode), user story 5: task 1 (background to map), user story 3: task 1 (searching for accessibility data)
- Hazel: reset the units of elevation display after a route is cleared

Date - May 22nd, 2024 - June 4th, 2024

Sprint goal - Community feature for users to share accessible locations and tips.

Completed work Guideline Work Scope

Number of story points completed this sprint Ideal burn rate Number of story points to be completed this sprint



Burn Up Chart