

# EasyRoute Release Plan #2

EasyRoute

Revision #2

Revision Date: Apr 12, 2024

High level goals:

1. Set up Map UI
2. Users can use Map UI to find a path between two locations
3. Add the ability to customize the path based on accessibility needs
4. Community feature for users to share accessible locations and tips

User stories:

1. As a user, I want to be able to see a map.
2. As a user, I want to be able to click and interact with the map.
3. As a user, I want to be able to add my accessibility needs (for the map).
4. As a user, I want to get a route between two locations via an interface.
5. As a user, I want to be able to start a route.
6. As a user, I want to be able to end a route.
7. As a user, I want to customize my route to avoid stairs.
8. As a user, I want to customize my route to avoid hills.
9. As a user, I need to be able to use an elevator to get to an upper level.
10. 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.
11. As a user, I want to be able to click on a location on the map to see the accessibility features of that location.

Sprint 1: Setup basic web app platform where we could implement Map UI

- As a user, I want to be able to go to a link and see a page. [2] Done
- [priority] As a user, I want to be able to see a 3D map of UCSC. [2]
- As a user, I want to be able to click and interact with the map. [2]

Sprint 2: Users can use Map UI to find a path between two locations

- [priority] As a user, I want to get a route between two locations via an interface. [4]
- As a user, I want to be able to start a route. [2]
- As a user, I want to be able to end a route. [2]

Sprint 3: Add the ability to customize the path based on accessibility needs

- As a user, I want to customize my route to avoid stairs. [10]
- As a user, I want to customize my route to avoid hills. [10]
- As a user, I need to be able to use an elevator to get to an upper level. [3]

Sprint 4: Community feature for users to share accessible locations and tips

- [priority] 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]
- [priority] As a user, I want to be able to click on a location on the map and see accessibility features of the facility. [3]
  - As a user, I want to take a picture and upload it along with my report. [3]

Product Backlog:

Priority	Backlog Item	Story Point Estimate
1	Rerouting based on broken accessibility features	8
2	Information on paratransit stops (buses)	5
3	integration with facility managers, notify them when accessibility feature needs to be repaired	3
4	Off-campus to on-campus navigation	3
5	Usage of AI in image classification for reporting repairs	5