

ELeNA

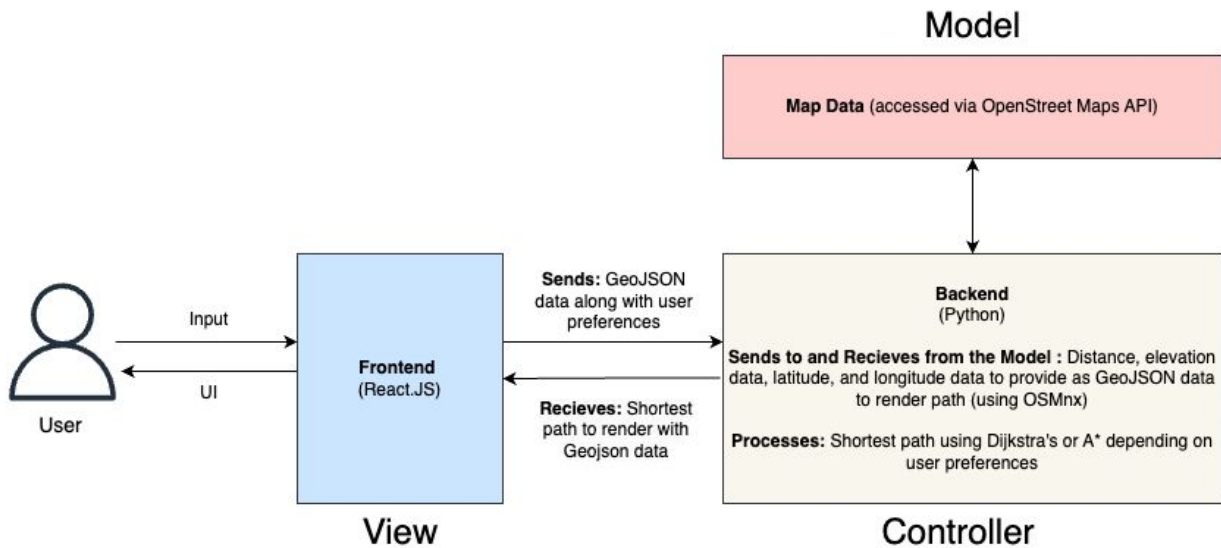
↓ Vivien Jamba, Aryan Dang
Aaryaman Mehta, Rahul Avadhanula ↓



Problem

Web app that provides the best route given a start and an end location; the best route would be one that maximizes or minimizes elevation gain, while limiting the total distance between the two locations to a user-inputted percentage of the shortest path.

Design



Evaluation

01

Unit Test Suites

Using both developmental testing and code coverage testing to evaluate functional requirements

02

Alpha/Beta Testing

Collecting feedback/bug reports in both alpha and beta phases to evaluate functional and nonfunctional requirements

03

Likert Scale Surveys

Collecting UI/UX feedback through modified Likert scale surveys to evaluate nonfunctional requirements

04

A/B (Split) Testing

Collecting feedback on various versions of our UI using A/B testing to evaluate nonfunctional requirements

Plan

Role Designation

Backend: Aryan and Rahul
Frontend: Aaryaman and Vivien

1

Alpha Testing

Collect feedback and bug reports, further develop functionality

3

Release Candidate

Publish final deliverable

5

Initial Development

Create all necessary components (**Model**, **View**, and **Controller**) alongside the necessary test suites for future testing

2

Beta Testing

Collect feedback on updates, further development

4

