

CS382 Project 2

B Smith

November 26, 2023

Contents

1 Division of Labor

1.1 Dale

- Wrote map.ts
- Wrote check-in document
- Future tasks:
- document map class

1.2 Patrick

- Wrote graph.ts
- Future tasks:
- document graph class

1.3 B

- created repository/Bun project structure
- code contributions/fixes
- parts of design document
- Future tasks:
- Breadth-first search
- document BFS

2 Plan

We plan to check in next week to make sure everything is being worked on. We've already made good progress; we will likely finish up the design document next week. Note that

we weren't really given enough time to start on the breadth-first search section, due to the canceled classes and my own (Dale) slow progress on the map class.

3 Technical overview

This project is written in TypeScript, which is a typed superset of JavaScript. We chose TypeScript because we wanted a language that's imperative, isn't Python (as all group members expressed a strong dislike for it), and is easy to pick up if you don't already know it. We're using the Bun JavaScript runtime since it's reasonably simple and supports TypeScript out of the box.

3.1 Installation

To install Bun, follow the instructions on <https://bun.sh/docs/installation>. Then, run `bun install` in the project root to install dependencies, and run `bun run index.ts` to run the program.