BPMP Web Onboard

Prerequisite

VSCode: IDE

- MongoDB : Database

Postman : Upload new dataset<u>Vercel.com</u> account : Deploy

Run Application Locally

- 1. Clone repository
- 2. Add .env file (contact tnlam@smu.edu)
- 3. Run 'yarn install' to install dependencies
- 4. Run 'yarn dev' to run the application. Should be running on localhost:3000

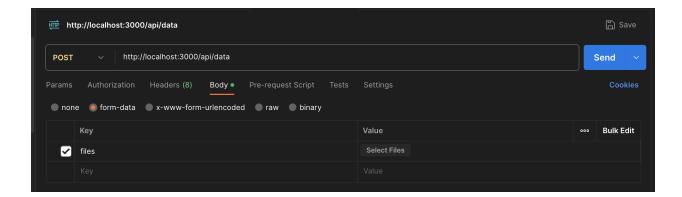
Upload dataset to Database

*Make sure the application is running to use API uploading dataset

/api/data (upload general information)

1. Dataset should look like this:

2. Make selection like in the image below



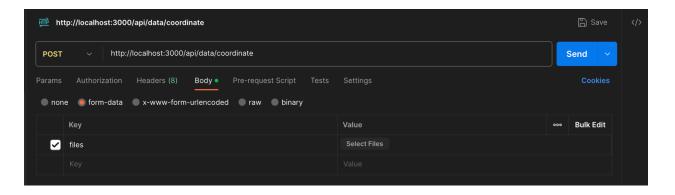
- 3. Insert file(s) to the value
- 4. Send and Should give you json response of the dataset

/api/data/coordinate (upload coordinates)

1. Dataset (make sure the filename should be the same at all times). Below should rename to t5_10_data.txt



2. Make selection like image below



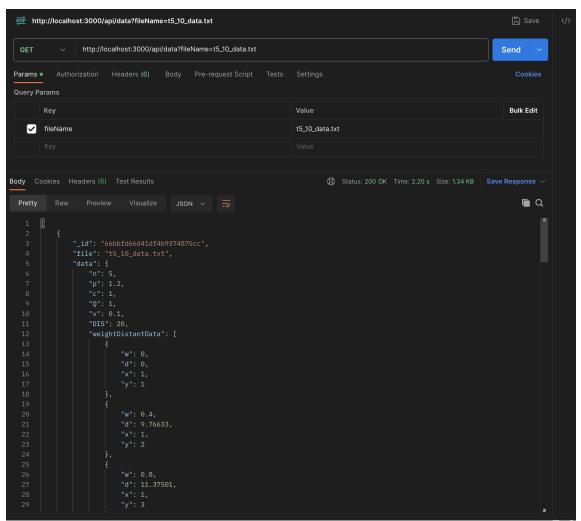
/api/data/optimalSolution (upload optimal)

1. Dataset: Format should looks like image below



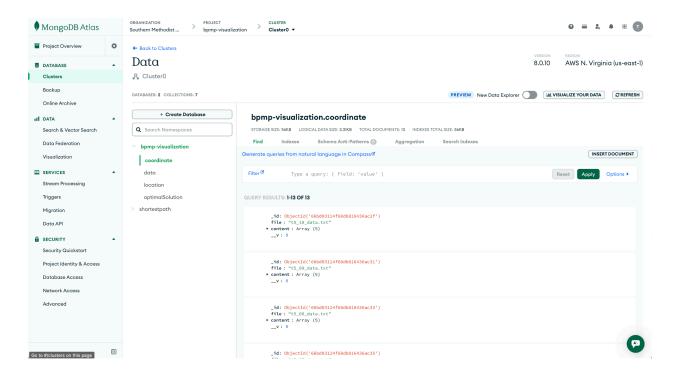
2. Postman API should be similar to above requests.

Test if file existing using API



Database (MongoDB)

Navigate to Organization: **Southern Methodist University** > Project: **bpmp-visualization** > Cluster: **Cluster0**



We have two database **bpmp-visualization** and **shortestpath**.

Bpmp-visualization (consists of 4 collections which need to has the same filename in file field)

- Coordinate (required): x and y coordinates of the nodes
- Data (required): general information about the datasets (num of nodes, vehicle cost, etc.)
- Location (optional): corresponding location
- optimalSolution (optional): optimal Profit and Path