INSTRUCTIONS

Instructions for Using the C Server

1. **Compile the C Server:**

   - Ensure you have a C compiler installed (e.g., **gcc**).

   - Open a terminal/command prompt.

   - Navigate to the directory where the C server code is located.

   - Compile the code using a command like:

code

gcc -o station_server station_server.c

2. **Run the C Server:**

   - Start the C server by running the executable:

code

./station_server

   - The server will listen on a specified port (as defined **8080**).

3. **Ensure the C Server is Running:**

   - Verify that the server is running and listening on the expected port.

Instructions for Using the Python Server

1. **Set Up the Python Environment:**

    - Make sure you have Python installed on your system.

    - Install any necessary dependencies (if any are required by your code).

2. **Prepare the Timetable Files:**

    - Ensure that the timetable files (e.g., **BusportC.txt**, **JunctionB.txt**, etc.) are in the same directory as the Python server script.

3. **Run the Python Server:**

    - Open a terminal/command prompt.

    - Navigate to the directory containing the Python server script.

    - Run the script using:

code

python3 serverP.py

    - The Python server will start and listen on the specified ports for each station.

Instructions for Using the HTML File

1. **Prepare the HTML File:**

    - Ensure the HTML file (**index.html**) is ready and located in the correct directory.

2. **Access the HTML File:**

    - Open a web browser.

    - Enter the appropriate URL in the browser's address bar (e.g., **http://localhost:8080/**).

3. **Interacting with the HTML File:**

    - Use the form in the HTML file to input the station, destination, and leave after time.

- Click the "Let's Go" button to submit the form.

- The form should make a GET request to the Python server (or the appropriate server) to fetch the route information.

Example Workflow

1. ***Start the C Server:***

./c_server

2. ***Start the Python Server:***

python3 serverP.py

3. ***Open the HTML File in a Browser:***

- Open **index.html** in your browser.

- Input the required details (station, destination, leave after time).

- Click "Let's Go."

4. ***View the Results***

NB: Ensure all servers are running before using the HTML interface.