APIs for project.

1. **GPS Data API**

   The APIs will be responsible for receiving GPS data from IoT devices.

   - *Endpoint:* POST /api/v1/gps-data
   - *Payload:*
     ```
     {
      "deviceId": "string",
      "timestamp": "ISO_8601_string",
      "latitude": "number",
      "longitude": "number",
      "speed": "number"
     }
     ```
   - *Response:*
     ```
     {
      "status": "success",
      "message": "Data ingested successfully"
     }
     ```

2. **Train Information API**

   Handles fetching real-time and historical train location data.

   I. Retrieving real-time location data of all trains.

      - *Endpoint:* GET /api/v1/trains
      - *Response:*
        ```
        [
        {
        "trainId": "string",
        "latitude": "number",
        "longitude": "number",
        "speed": "number",
        "lastUpdated": "ISO_8601_string"
        }
        ]
        ```

   II. Retrieving real-time location data for a specific train.

      - *Endpoint*: GET /api/v1/trains/{trainId}

- *Response:*

```
{
  "trainId": "string",
  "latitude": "number",
  "longitude": "number",
  "speed": "number",
  "lastUpdated": "ISO_8601_string"
}
```

III. Retrieve historical location data for a specific train for the last 90 days.

- *Endpoint:* GET /api/v1/trains/{trainId}/history

- *Response*

```
[
  {
    "timestamp": "ISO_8601_string",
    "latitude": "number",
    "longitude": "number",
    "speed": "number"
  },
  …
]
```