APIs for project.

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

   - **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. The API for retrieving real-time location data of all trains.

   - **GET /api/v1/trains**

   - **Response**
     ```
     [
     {
     "trainId": "string",
     "latitude": "number",
     "longitude": "number",
     "speed": "number",
     "lastUpdated": "ISO_8601_string"
     }
     ]
     ```

3. The API for retrieving real-time location data for a specific train.

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

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

4. Retrieve historical location data for a specific train for the last 90 days.
   - **GET /api/v1/trains/{trainId}/history**
   - **Response**

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