

# EsemkaRailways

## General Requirements

- Use prefix /api for every endpoints
- All Request Body must use JSON Format
- Do not modify the method or endpoint route name

## Passenger Resources

<b>GET</b> /Passenger
<b>GET</b> /Passenger/:ID
<b>POST</b> /Passenger
<b>PUT</b> /Passenger/:ID
<b>DELETE</b> /Passenger/:ID

In the endpoint **POST /Passenger** and **PUT /Passenger/:ID**, only the addition or modification of the passenger resource with unique email and phone number is allowed.

## Train Resources

<b>GET</b> /Train
<b>GET</b> /Train/:ID
<b>POST</b> /Train
<b>PUT</b> /Train/:ID
<b>DELETE</b> /Train/:ID

For endpoint **POST /Train** and **PUT /Train/:ID** The type must be either "Express" or "Local"

## Station Resources

<b>GET</b> /Station
<b>GET</b> /Station/:ID
<b>POST</b> /Station
<b>PUT</b> /Station/:ID
<b>DELETE</b> /Station/:ID

## Schedule Resources

<b>GET</b> /Schedule
<b>GET</b> /Schedule/:ID
<b>POST</b> /Schedule
<b>PUT</b> /Schedule/:ID
<b>DELETE</b> /Schedule/:ID

In **POST /Schedule** and **PUT /Schedule/:ID**, can only add or modify schedules with DepartureTime before ArriveTime. The DepartureTime must be on the same day as ArrivalTime.

## Ticket Resources

<b>GET</b> /Schedule/:PassengerID
<b>POST</b> /Schedule

For the endpoint **GET /Schedule/:PassengerID**, display ticket data based on passenger ID and allow filtering by **train ID and departure date**.

Endpoint **POST /Schedule** it should be able to add tickets for a specific passenger based on **passenger ID and schedule ID**. Additionally, it should allow adding **multiple tickets at once**. A seat can only be booked by a passenger at a scheduled time and if there is a remaining seat. Example request body:

```
{
  "passengerID": 1,
  "scheduleID": 2,
  "seats": [
    "A1",
    "C4",
    "C2"
  ]
}
```