ATTRIBUTES, ENTITIES , THEIR RELATIONSHIPS AND THE E.R.D

**Commuter**

**Attributes**:

1. Commuter\_ID (Primary Key)
2. Commuter\_Name
3. Commuter\_Email
4. Account\_Balance
5. Payment\_Method
6. Accessibility\_Features

**Driver**

**Attributes**:

1. Driver\_ID (Primary Key)
2. Driver\_Name
3. License\_Number
4. Vehicle\_ID (Foreign Key )

**Vehicle**

**Attributes**:

1. Vehicle\_ID (Primary Key)
2. Model
3. Driver\_ID (Foreign Key )
4. GPS\_Tracker\_ID (Foreign Key)
5. Number\_Plate
6. Accessibility\_Features

**Route**

**Attributes**:

1. Route\_ID (Primary Key)
2. Route\_Name
3. Fare\_Amount

**Maintenance**

**Attributes**:

1. Maintenance\_ID (Primary Key)
2. Vehicle\_ID (Foreign Key)
3. Maintenance\_Cost

**GPS\_Tracker**

**Attributes**:

1. GPS\_Tracker\_ID (Primary Key)
2. Vehicle\_ID (Foreign Key)

**Payment**

**Attributes**:

1. Payment\_ID (Primary Key)
2. Commuter\_ID (Foreign Key )
3. Trip\_ID (Foreign Key)
4. Amount
5. Payment\_Method

**Trip**

**Attributes**:

1. Trip\_ID (Primary Key)
2. Route\_ID (Foreign Key )
3. Vehicle\_ID (Foreign Key )
4. Status

**Driver\_Training**

**Attributes**:

1. Training\_ID (Primary Key)
2. Description
3. Driver\_ID (Foreign Key )
4. Completion\_Date

**Station**

**Attributes**:

1. Station\_ID (Primary Key)
2. Accessibility\_Features

**Accessibility\_Features**

**Attributes**:

1. Features\_ID (Primary Key)
2. Description

RELATIONSHIPS

1. Commuter - Payment: A commuter can make multiple payments.
2. Driver - Vehicle: A driver is assigned to one vehicle.
3. Vehicle - GPS\_Tracker: Each vehicle has one GPS tracker.
4. Vehicle - Maintenance: A vehicle can undergo multiple maintenance sessions.
5. Route - Trip: A route includes multiple trips.
6. Vehicle - Trip: A vehicle can conduct multiple trips.
7. Payment - Trip: A payment is linked to a specific trip.
8. Driver - Driver\_Training: A driver can have multiple training sessions.

