

## SCHEMA:

Agency(agency\_id:INT [PK],  
agency\_name:VARCHAR(255),  
agency\_url:VARCHAR(255),  
agency\_timezone:VARCHAR(255),  
agency\_lang:VARCHAR(10))

Calendar(service\_id:CHAR(3) [PK],  
monday:INT,  
tuesday:INT,  
wednesday:INT,  
thursday:INT,  
friday:INT,  
saturday:INT,  
sunday:INT,  
start\_date:VARCHAR(20),  
end\_date:VARCHAR(20))

Fare\_Attributes(fare\_id:VARCHAR(100) [PK],  
price:REAL,  
currency\_type:VARCHAR(10),  
payment\_method INT,  
transfers INT,  
transfer\_duration INT)

Fare\_rules(fare\_id:VARCHAR(100) [FK to Fare\_Attributes.fare\_id] [PK],  
route\_id:VARCHAR(10) [FK to Routes.route\_id] [PK],  
origin\_id:VARCHAR(255),  
destination\_id:VARCHAR(255),  
contains\_id:VARCHAR(255))

Frequencies(trip\_id:VARCHAR(30) [FK to Trips.trip\_id] [PK],  
start\_time:TIME [PK],  
end\_time:TIME,  
headway\_secs:INT)

Routes(route\_id:VARCHAR(10) [PK],  
agency\_id:INT [FK to Agency.agency\_id],  
route\_short\_name:VARCHAR(10),  
route\_long\_name:VARCHAR(500), route\_type:INT,  
route\_color:VARCHAR(10), route\_text\_color:CHAR(6))

Shapes(shape\_id:INT [FK to Trips.shape\_id] [PK],  
shape\_pt\_lat:REAL,  
shape\_pt\_lon:REAL,  
shape\_pt\_sequence:INT [PK],  
shape\_dist\_traveled:REAL)

Stop\_Times(trip\_id:VARCHAR(30) [FK to Trips.trip\_id] [PK],  
arrival\_time:TIME,  
departure\_time:TIME,  
stop\_id:INT [FK to Stops.stop\_id],  
stop\_sequence:INT [PK])

Stops(stop\_id:INT [PK],  
stop\_name:VARCHAR(255),  
stop\_desc:VARCHAR(100),  
stop\_lat:DECIMAL,  
stop\_lon:DECIMAL)

Trips(route\_id:VARCHAR(10) [FK to Routes.route\_id],  
service\_id:CHAR(3) [FK to Calendar.service\_id],  
trip\_id:VARCHAR(30) [PK],  
trip\_headsign:VARCHAR(255),  
direction\_id:INT,  
shape\_id:INT)

Riders(user\_id:INT [PK],  
email:VARCHAR(255),  
password:VARCHAR(50))

Travel(user\_id:INT [FK to Riders.user\_id],  
trip\_id:CHAR(9) [FK to Trips.trip\_id],  
date:DATE)

Reward(row\_id:INT [PK],  
user\_id:INT,  
reward\_type: VARCHAR(50),  
reward\_value: VARCHAR(50))