



Schema

Note: the INT values in Calendar and Trips can only be 0 or 1 in our dataset, but in general GTFS data they could have other values, hence INT

```
Routes(  
    route_id: VARCHAR(255) [PK],  
    route_type: INT,  
    route_color: CHAR(6),  
    route_long_name: VARCHAR(255)  
)  
Stops(  
    stop_id: VARCHAR(255) [PK],  
    stop_name: VARCHAR(255),  
    stop_lat: REAL,  
    stop_lon: REAL  
)  
Calendar(  
    service_id: VARCHAR(255) [PK],  
    monday: INT,  
    tuesday: INT,  
    wednesday: INT,  
    thursday: INT,  
    friday: INT,  
    saturday: INT,  
    sunday: INT,  
    start_date: DATE,  
    end_date: DATE  
)  
Frequencies(  
    trip_id: VARCHAR(255) [PK, FK to Trips.trip_id],  
    start_time: TIME [PK],  
    end_time: TIME [PK],  
    headway_secs: INT  
)  
Trips(  
    trip_id: VARCHAR(255) [PK],  
    route_id: VARCHAR(255) [FK to Routes.route_id],  
    service_id: VARCHAR(255) [FK to Calendar.service_id],  
    trip_headsign: VARCHAR(255),  
    direction_id: INT  
)  
StopTimes(  
    trip_id: VARCHAR(255) [PK, FK to Trips.trip_id],  
    stop_sequence: INT UNSIGNED [PK],  
    stop_id: VARCHAR(255) [FK to Stops.stop_id],  
    arrival_time: TIME,  
    departure_time: TIME  
)
```

```
Users(  
    user_id: VARCHAR(255) [PK],  
    email: VARCHAR(255),  
    password: VARCHAR(255),  
    first_name: VARCHAR(255),  
    last_name: VARCHAR(255)  
)  
Paths(  
    path_id: VARCHAR(255) [PK],  
    trip_id: VARCHAR(255) [FK to Trips.trip_id],  
    departure_stop: VARCHAR(255) [FK to Stops.stop_id],  
    arrival_stop: VARCHAR(255) [FK to Stops.stop_id],  
    departure_time: TIME,  
    arrival_time: TIME,  
)  
Saved(  
    user_id: VARCHAR(255) [PK, FK to Users.user_id],  
    path_id: VARCHAR(255) [PK, FK to Path.path_id],  
    color: CHAR(6)  
)
```

