Rider

PK	rider_id	int
	address	varchar
	first	varchar
	last	varchar
	birthday	date
FK	account_number	int

Account

PK	account_number	int
	member	bool
	start_date	date
	end_date	date

Payment

PK	payment_id	int
	date	date
	amount	decimal
FK	account_number	int

Trip

PK	trip_id	varchar
	rideable_type	string
	started_at	datetime
	ended_at	datetime
FK	start_station_id	int
FK	end_station_id	int
FK	member_id	int

Station

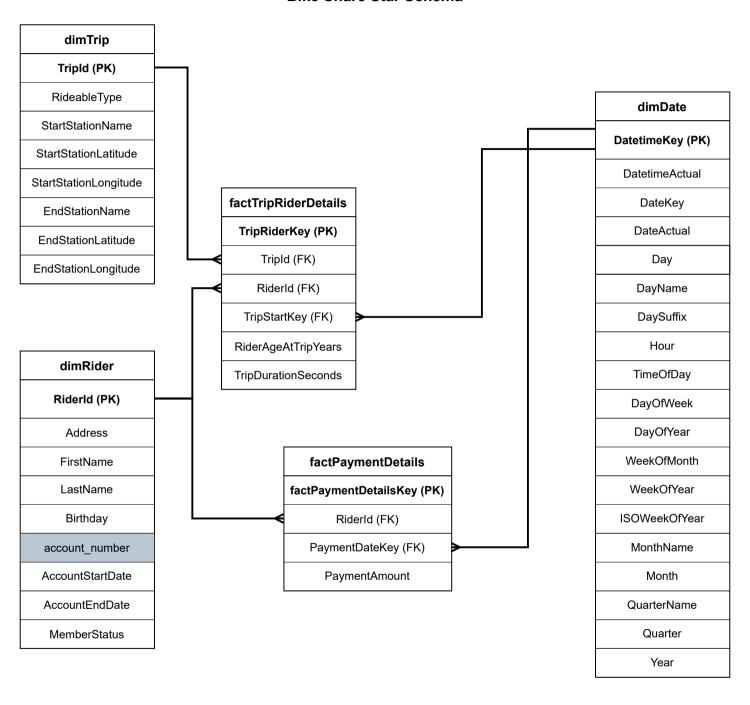| PK	station_id	varchar
	name	varchar
	latitude	float
	longitude	float

The business outcomes being design for are as follows:

1. Analyze how much time is spent per ride
   - Based on date and time factors such as day of week and time of day
   - Based on which station is the starting and / or ending station
   - Based on age of the rider at time of the ride
   - Based on whether the rider is a member or a casual rider

2. Analyze how much money is spent
   - Per month, quarter, year
   - Per member, based on the age of the rider at account start

3. EXTRA CREDIT - Analyze how much money is spent per member
   - Based on how many rides the rider averages per month
   - Based on how many minutes the rider spends on a bike per month

Azure Data Warehouse Project -
Bike Share Star Schema

dimTrip

TripId (PK)
RideableType
StartStationName
StartStationLatitude
StartStationLongitude
EndStationName
EndStationLatitude
EndStationLongitude

factTripRiderDetails

TripRiderKey (PK)
TripId (FK)
RiderId (FK)
TripStartKey (FK)
RiderAgeAtTripYears
TripDurationSeconds

dimRider

RiderId (PK)
Address
FirstName
LastName
Birthday
account_number
AccountStartDate
AccountEndDate
MemberStatus

factPaymentDetails

factPaymentDetailsKey (PK)
RiderId (FK)
PaymentDateKey (FK)
PaymentAmount

dimDate

DatetimeKey (PK)
DatetimeActual
DateKey
DateActual
Day
DayName
DaySuffix
Hour
TimeOfDay
DayOfWeek
DayOfYear
WeekOfMonth
WeekOfYear
ISOWeekOfYear
MonthName
Month
QuarterName
Quarter
Year

Attribute not present in data