

Assignment 01

Name:- Aliyan Ahmed Cheema

Roll no:- FA22-BCE-028(B)

Question

Entities:-

- Bus
- Route
- Town
- Driver
- Stage
- Garage

Relationships:-

- Route - n:m - Town
- Driver - m:1 - Stage
- Stage - m:1 - Route
- Garage - 1:m - Town
- Bus - m:1 - Garage
- Bus - m:1 - Route

Attributes:-

- ~~Bus: Reg-Num, capacity, type.~~
- ~~Route: Route-Num, Avg-passengers-per-day.~~
- ~~Town: Name, Total-Routes~~
- ~~Driver: Employee ID, name, address, contact.~~
- ~~Garage: Location, Buses-stored.~~
- Bus: Reg-Num (PK), Capacity, Type, Garage-ID (FK)
- Route: Route-No, Avg-passengers-per-day
- Town: Town-id (PK), Name, Garage-id (FK, optional)

- Driver: Emp_No (PK), Name, Address, Contact, Stage_ID (FK)
- Garage: Garage_ID (PK), Location (FK)
- Stage: Stage_ID (PK), Route_Number (FK)

ER diagram:-

