

Bus trip reservation system

Team ID: 90

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Team members name:

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ERD

This is a bus reservation system which is formed up of:

- “**Passenger**”, each passenger has his: Gender, Age, Number, Name - including first and last names-, **unique** ID, and Address -including city, street, and home number-.
- Passenger can only reserve one trip, and a trip can be reserved by many passengers; every passenger can't buy more than a ticket and vice-versa
- “**Bus**”, each bus has: Bus's Model, Capacity, a **unique** ID, and **unique** Plate number.
- Every trip can be accomplished by many buses and buses can achieve several trips
- “**Trip**”, has: a **unique** number, Time -including starting and ending times-, Destination -including starting and ending points-.
- “**Driver**”, each has: E-mail, Age, Salary, **unique** ID, Name -including first and last names-.
- Each driver can check many tickets, but every ticket can be checked by only one driver
- Every driver drives only one bus and vice versa
- “**Ticket**”, it has: Date -including start date and expiration date-, **unique** number, and amount.
- “**Dependent**”, has his: Name, gender, birth date, Relationship.
- Every driver may have many or one dependent, but dependents must have a driver.
- Each trip will hold many tickets -requiring its cost- while each ticket can only belong to a trip



