Mapping to Relations
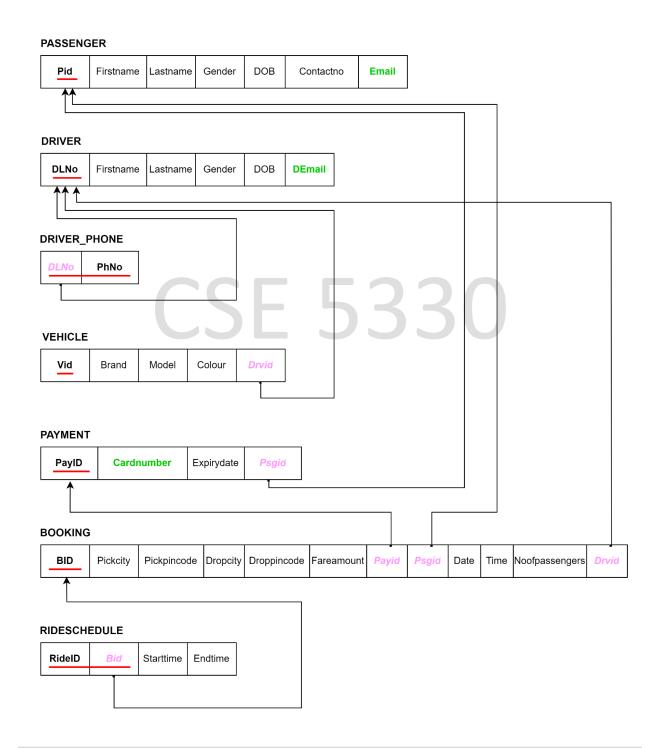
Primary Keys: Primary keys are underlined with **red** color.

Foreign Keys: Foreign Keys are *highlighted* in italics.

Candidate Keys: Candidate Keys are **highlighted** in color.

PASSENGER

Pid	Firstname	Lastname	Gender	DOB	Contactno	Email

DRIVER

DLNo	Firstname	Lastname	Gender	DOB	DEmail

DRIVER_PHONE

DLNo	PhNo

VEHICLE

Vid	Brand	Model	Colour	Drvid

PAYMENT

PayID	Cardnumber	Expirydate	Psgid

BOOKING

BID	Pickcity	Pickpincode	Dropcity	Droppincode	Fareamount	Payid	Psgid	Date	Time	Noofpassengers	Drvid

RIDESCHEDULE

RideID	Bid	Starttime	Endtime

Candidate Keys in the Relation

PASSENGER: { Pid }, { Email }

DRIVER: { DLNo }, { DEmail }

VEHICLE: { Vid }

PAYMENT: { PayID }, { PayID, Cardnumber }

BOOKING: { BID }

RIDESCHEDULE : { RideID, Bid }

Functional Dependency

PASSENGER:

{ Pid } → { Firstname, Lastname, Gender, DOB, Contactno, Email }

{ Email } → { Pid, Firstname, Lastname, Gender, DOB, Contactno }

DRIVER:

{ DLNo } → { Firstname, Lastname, Gender, DOB, DEmail }

{ DEmail } → { DLNo, Firstname, Lastname, Gender, DOB }

VEHICLE:

{ Vid } → { Brand, Model, Colour, Drvid }

PAYMENT:

{ PayID } → { Cardnumber, Expirydate, Psgid }

{ PayID, Cardnumber } → { Expirydate }

BOOKING:

{ BID} → { Pickcity, Pickpincode, Dropcity, Droppincode, Fareamount, Date, Time, Noofpassengers, Payid, Psgid, Drvid }

RIDESCHEDULE:

{ RideID, Bid } → { Starttime, Endtime }

Group 12 Member Details:

Sl. No.	Name	Student ID	Email address
01	Abhisangh Singh Arora	1002055604	asa5604@mavs.uta.edu
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03	Lolita Dmello	1002020314	lld0314@mavs.uta.edu
04	Naveen Kumar Rajendran	1002039449	nxr9449@mavs.uta.edu

CSE 5330