

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

<u>Pid</u>	Firstname	Lastname	Gender	DOB	Contactno	Email
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DRIVER

<u>DLNo</u>	Firstname	Lastname	Gender	DOB	DEmail
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DRIVER_PHONE

<i>DLNo</i>	<u>PhNo</u>
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VEHICLE

<u>Vid</u>	Brand	Model	Colour	<i>Drvid</i>
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PAYMENT

<u>PayID</u>	Cardnumber	Expirydate	<i>Psgid</i>
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BOOKING

<u>BID</u>	Pickcity	Pickpincode	Dropcity	Droppincode	Fareamount	<i>Payid</i>	<i>Psgid</i>	Date	Time	Noofpassengers	<i>Drvid</i>
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RIDESCHEDULE

<u>RideID</u>	<i>Bid</i>	Starttime	Endtime
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Candidate Keys in the Relation

PASSENGER: { Pid }, { Email }

DRIVER: { DLNo }, { DEmail }

VEHICLE: { Vid }

PAYMENT: { PayID }, { Cardnumber }

BOOKING: { BID }

RIDESCHEDULE : { RideID, Bid }

Functional Dependency

PASSENGER:

{ Pid } \rightarrow { Firstname, Lastname, Gender, DOB, Contactno, Email }

{ Email } \rightarrow { Pid, Firstname, Lastname, Gender, DOB, Contactno }

DRIVER:

{ DLNo } \rightarrow { Firstname, Lastname, Gender, DOB, DEmail }

{ DEmail } \rightarrow { DLNo, Firstname, Lastname, Gender, DOB }

VEHICLE:

{ Vid } \rightarrow { Brand, Model, Colour, Drvid }

PAYMENT:

{ PayID } \rightarrow { Cardnumber, Expirydate, Psgid }

{ Cardnumber } \rightarrow { Expirydate, Psgid, PayID }

BOOKING:

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

RIDESCHEDULE:

{ RideID, Bid } \rightarrow { Starttime, Endtime }

Group 12 Member Details:

Sl. No.	Name	Student ID	Email address
01	Abhisangh Singh Arora	1002055604	asa5604@mavs.uta.edu
02	Anusha Anand	1002083081	axa3081@mavs.uta.edu
03	Lolita Dmello	1002020314	lld0314@mavs.uta.edu
04	Naveen Kumar Rajendran	1002039449	nxr9449@mavs.uta.edu

CSE 5330