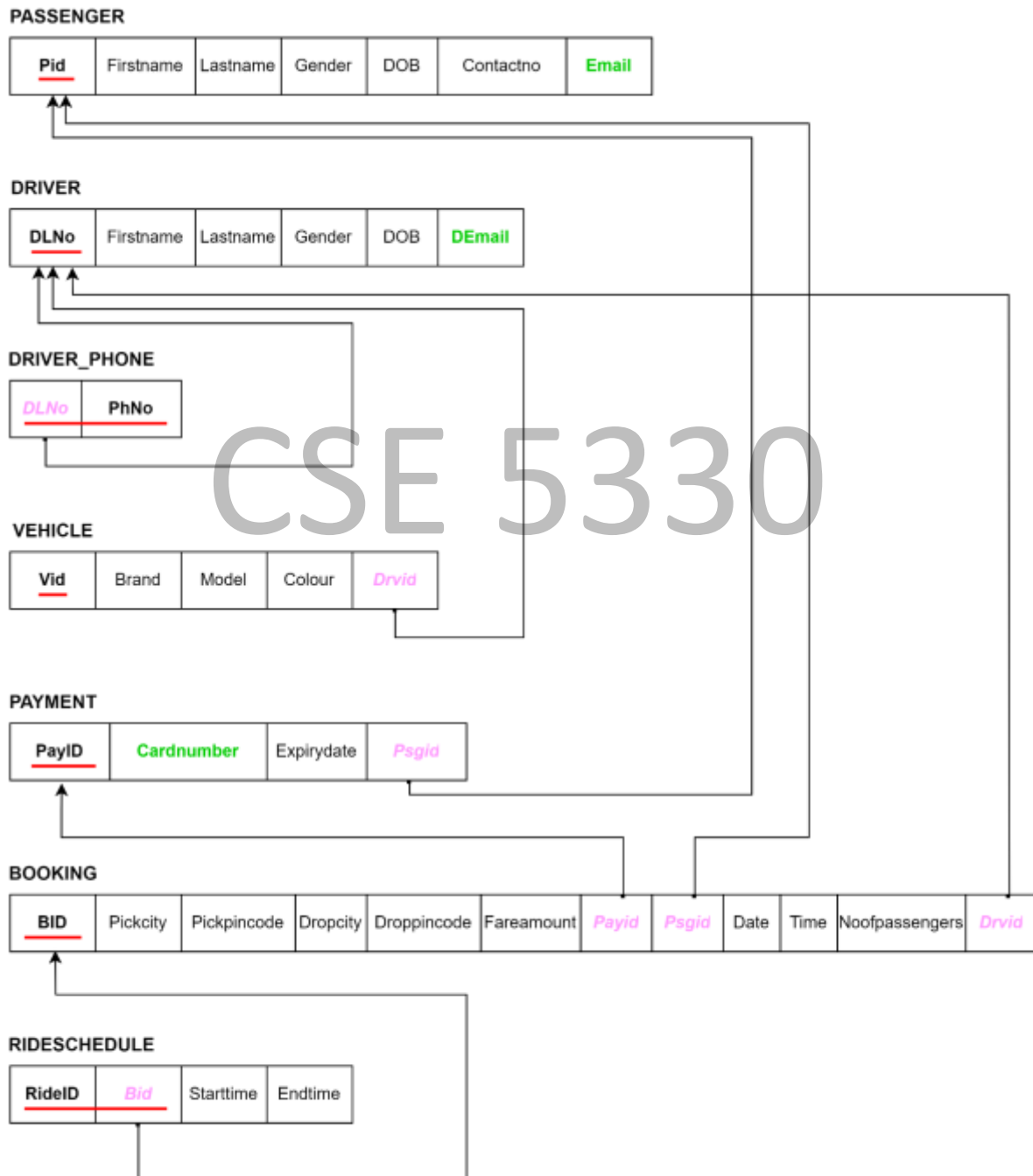


## Mapping to Relations

**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.



### **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 }  $\rightarrow$  { 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 }

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

BOOKING:

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

RIDESCHEDULE:

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

# CSE 5330