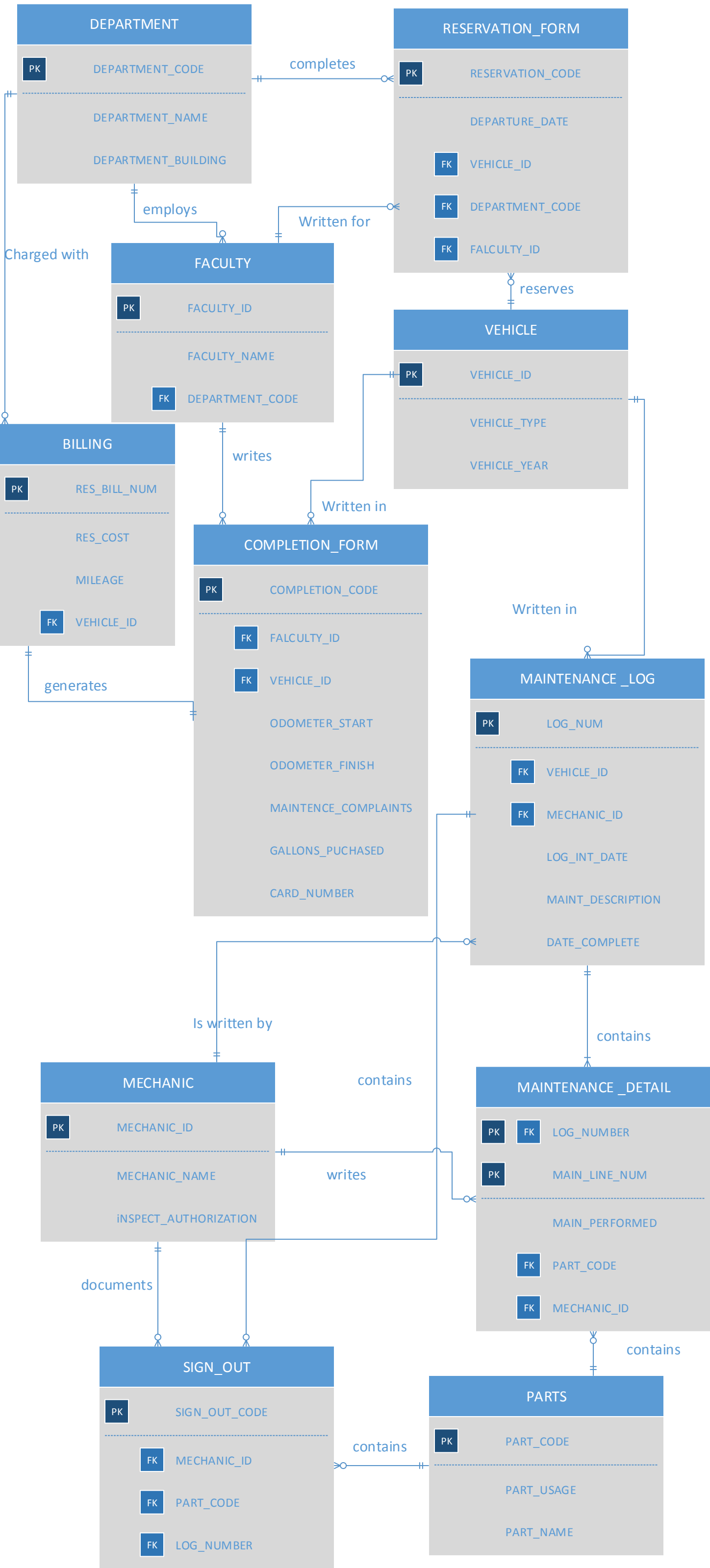


Richard Patrick

Due: 10/5/16

310-01

A5



Operations:

A Department can employ 0 or more Faculty while the Faculty has one and only one Department. A department makes a reservation form for the faculty to reserve a vehicle. Department is mandatory to Reservation Form but Reservation Form is optional to department since a department doesn't have to reserve a vehicle. A Reservation Form reserves a Vehicle and is written for Faculty. Reservation Form is optional to Faculty but Faculty is mandatory for Reservation Form. The same goes for Vehicle. The Faculty writes the Completion Form and Vehicle is written into Completion Form. They are mandatory for Completion Form but Completion Form is optional to them. A Completion Form creates a Billing every time and completion form is mandatory for Billing. Department is billed the Billing but department doesn't have to be billed but a Billing has to go to a Department. A Vehicle is written in a Maintenance Log if it needs maintenance but not all vehicles need maintenance but the Log has contain a Vehicle. The Maintenance Log has many Maintenance Lines and their relationship is mandatory. The Detail Form and Log Form are completed and signed by the Mechanic that does the maintenance. The Mechanic doesn't have to perform maintenance but the Log and the Detail Form both need a Mechanic. A Mechanic signs out the parts that are used. A Mechanic is mandatory to Sign Out but Sign Out is optional for the Mechanic. Sign Out is optional to Parts but Parts is mandatory to Sign Out. The Parts are listed in the Lines and a Line has to have a part but a Part does not have to have a Line.