



CIS-310-01

Assignment 4

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Exercise 11 - pg. 161

Business Rules for exercise 11:

- **Department to Faculty is one-to-one:** One faculty member can only have one department in which they are located in.
- **Faculty to Reservations one-to-many (many is on Faculty, 1 on Reservations):** One faculty member can have many reservations and many reservations can be dealt with by one faculty member.
- **Vehicle to Reservations one-to-many (many is on Vehicle, 1 on Reservations):** Many Vehicles can be listed under one reservation and one reservation can have many vehicles.
- **Completion Form to Reservations one-to-many (many on Completion Form, 1 on Reservations):** One completion form can have many reservations and many reservations can have many one completions form.
- **Maintenance Log to Completion Form one-to-one:** One maintenance log can have one completion form and one completion form can have one maintenance log.
- **Maintenance Log to Detailed Maintenance Log one to many (many on Maintenance Log, 1 on Maintenance Detailed Log):** one maintenance log can have many detailed maintenance logs and many detailed maintenance logs can have one maintenance log.
- **Mechanics to Detailed Maintenance Log one-to-one (many on Mechanic, 1 on Detailed Maintenance Log):** one mechanic can have one maintenance log and one maintenance log can have one mechanic.
- **Inventory to Detailed Maintenance Log one-to-many (many on Inventory, 1 on Detailed Maintenance Log):** One inventory system can have many detailed maintenance logs and many detailed maintenance logs can be held in one inventory systems.

