Relational Database Development

152-156

# SQL - Table Build and Populate

40 points

Part 1 – 20 points

* Create an ERD for the database described below
* Create a Data Dictionary for the database described below
* **Extra Credit (2 points)**
	+ Create sub-tables of Employees as appropriate (ERD Only)

Part 2 – 20 points

* After your design has been graded
* Provide (MS Word) the SQL to create tables
* Provide the SQL to add **at least** three sample records to each table.
	+ Make the data as *real-world* as possible
	+ Include some fields that are left empty (where appropriate)
	+ Include more than three records if needed

**Car Rental Database Tables and Fields**

* Employees
	+ Employee ID
	+ Supervisor ID (link to another employee
	+ First Name
	+ Last Name
	+ Office Phone Number
* Customers
	+ Customer ID
	+ First Name
	+ Last Name
	+ Cell Phone
	+ Street Address 1
	+ Street Address 2
	+ City
	+ State
	+ Zip Code
* Rentals
	+ Rental ID
	+ Customer ID
	+ Rented By (employee)
	+ Location ID
	+ Vehicle ID
	+ Rental Date
	+ Days Rented
* Vehicles
	+ Vehicle ID
	+ VIN (Vehicle Identification Number)
	+ Make
	+ Model
	+ Year
	+ Daily Rental Charge
* Locations
	+ Location ID
	+ Location Name
* Vehicle Maintenance
	+ Work Order ID
	+ Maintenance ID
	+ Vehicle ID
	+ Employee ID
	+ Maintenance Date
	+ Vehicle Mileage
* Maintenance Types
	+ Maintenance ID
	+ Maintenance Description