**CIS 310-02 Assignment 5**

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1. **Business Rules**

- A License Certification is tied to zero or many License Certifications Earned, and a License Certification Earned is tied to one and only one License Certification

- A Test is associated with zero or many Test Results, and a Test Result is associated with one and only one Test

- An Employee has zero or many Test Results, and a Test Result is associated with one and only one Employee

- An Employee has zero or many License Certifications Earned, and a License Certification Earned is associated with one and only one Employee.

- An Employee belongs to zero or many Crews, and a Crew has one and only one Employee

- A Crew is associated with zero or many Crew Assignments, and a Crew Assignment has one and only one Crew

- An Aircraft is associated with zero or many Crew Assignments, and a Crew assignment has one and only one Aircraft

- A Crew Assignment is associated with zero or many Charter Trips, and a Charter Trip has one and only one Crew Assignment

- An Aircraft is assigned to zero or many Charter Trips, and a Charter Trip has one and only one Aircraft.

- A Customer can reserve zero or many Charter Trips, and a Charter Trip is reserved by one and only one Customer

- A Customer Bill is associated with zero or one Charter Trips, and a Charter Trip is associated with one and only one Customer Bill

- A Customer Bill has one and only one Total Flight Charge, and a Total Flight Charge is associated with one and only one Customer Bill

- A Total Flight Charge has one and only one Crew Expense, and a Crew Expense is associated with one and only one Total Flight Charge

- A Total Flight Charge has one and only one Wait Charge, and a Wait Charge is associated with one and only one Total Flight Charge

- A Wait Charge is based off one and only one Aircraft, and an Aircraft is associated with zero or many Wait Charges