

Turner Barnett

CIS 310-02

Assignment 5

Due: September 27 before 11am

Description: Crow's Foot ERD and Business Rules for RC_Charter2

A. Business Rules for RC_Charter2 Company:

- Each charter trip is requested by only one customer
- Some customers have not yet requested a charter trip
- An employee may be assigned to serve as a crew member on many charter trips
- Some customers do not use the company's character operations
- Each charter trip requires the use of an aircraft
- All pilots are employees, but all employees are not pilots
- All crew members are employees, but all employees are not crew members
- Every customer makes a payment
- Each customer can make multiple payments at any time
- Each payment is paid by one customer
- Payments are not specifically tied to one charter trip; a payment may be made for many charter trips
- Each charter trip requires the use of an aircraft, and a crew flies each aircraft
- A crew can consist of more than one person, and not all crew members are pilots
- For every charter trip, one aircraft is used
- An aircraft can be used for zero or many charter trips
- Every aircraft has a model type that is used
- Every pilot must meet a licensing requirement
- Every pilot must meet a rating requirement
- All pilots and other crew members are employees
- Each aircraft is piloted by one or more pilots
- Each employee takes one to many tests, and each test returns many results

