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| **Name:** *Gary Ward* | **Date:** *04-25-18* |
| **Course:** IT 410 – Database Design | **Professor:** Mr. Michael Knupp |
| **Assignment:** *IT410 Final Project Submission – List of Entities* | |

**Abstract:**

*This Final Project document contains a final list of entities used in my RC\_Charter 2 database.*

**Responses:**

**Final List of Entities:**

1. **Customers** – Used to track RC customer information, including CustomerID, CName, FlightID, PaymentID, CustEmail, and CustAddress.
2. **CharterFlights** – Used to track the primary information related to RC Charter flights. This includes FlightID, CustomerID, AircraftID, CmID, and RoleID.
3. **CharterBIlls** – Used to track bills related to customer charter flights. This includes information such as BillID, FlightID, CustomerID, DestinationID, DistanceFlown, WaitTime, CustomerReqs, and CrewExpenses.
4. **CBIll\_PmntStatement** – This is a bridge entity between CharterBills and Payments. Uses attributes called CBill\_PmntID, BillID, and PaymentID.
5. **Payments** – Used to track payments made by RC Charter customers. Attributes include PaymentID, CustomerID, PaymentDate, and PaymentAmount.
6. **Pmnt\_RevStatement** – This is a bridge entity between Payments and Revenue. Tracks attributes such as PmntRevID, PaymentID, and RevenueID.
7. **Revenue** – Used to track RC Charter revenue with the attributes RevenueID, PaymentID, and BillID.
8. **Aircraft** – This entity represents the aircraft used by RC Charter. Uses AIrcraftID, ModelID, FlightID, and LastServiceDate to organize the data.
9. **AircraftModels** – An entity that tracks the aircraft models used by RC Charter. Attributes include ModelID, AircraftID, ModelName, and TakeOffWeight.
10. **Employees** – An entity that tracks the employees working for RC Charter flights. Uses attributes called EmpID, CmID, and PilotID to categorize the data.
11. **PilotManifest** – An entity used to track all of the employees working for RC Charter that are pilots. This entity used the attributes PilotID, PName, and EmpID.
12. **CrewManifest** – This is a Bridge entity between RcCharterEmployees and CharterFlights. Tracks attributes such as CmID, FlightID, EmpID, and RoleID.
13. **EmpLicensesAndCerts** – This is a bridge entity between RcCharterEmployees and LicensesAndCerts used to track the licenses and certifications held by RC Charter employees. It contains the attributes LicenseCode, EmpID, DateEarned, and DateExpires.
14. **LicensesAndCerts** – An entity that tracks the licenses and certifications required by the RC charter company. It contains the attributes LicenseCertID, LicenseCode, and LicenseCertDesc.
15. **EmployeeTests** – An entity that tracks the tests taken by RC Charter employees. This entity contains the attributes TestID, ResultsID, EmpName, LastTestDate, and NextTestDate.
16. **TestResults** – A bridge entity between EmployeeTests and Employees that is used to track the results of all RC Charter employee tests. The attributes include ResultID, EmpID, TestID, EmpName, and TestResult.
17. **DestinationInfo** – An entity used to track the destination of a charter flight. Includes attributes such as DestinationID, FlightID, and CustomerID.
18. **PilotRecords** – Stores the information recorded by RC Charter Pilots about every individual flight. Contains the attributes RecordID, PilotID, FlightID, and RecordDate.
19. **CharterSummary** – An entity that contains all flight summaries recorded by RC Charter pilots. Uses attributes such as SummaryID, RecordID, and SummaryDate.

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| **Statement of Authenticity**  By putting my name below, I certify the work submitted in this document is my original work. Although collaboration with other individuals may have taken place, the final work is my own and submitted in full accordance with the Husson University Academic Integrity policy. |
| **Name:** *Gary Ward* |

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|  | **Grade** | **Qualities Demonstrated by the Assignment Submission** | **Grade Assigned** |
| **Content (70%)**  **Measures the quality of the content in the assignment** | A+ 🡺 100 | The content demonstrates exceptional understanding of all relevant subject matter and its inter-relationships. All major relevant issues are thoroughly covered, and all content is very focused and on-topic. There is no known way to improve the content, and there are absolutely no technical or coverage errors present. |  |
| A 🡺 96 | The content demonstrates exceptional understanding of all relevant subject matter and its inter-relationships. All major relevant issues are thoroughly covered, and all content is very focused and on-topic. At most one insignificant technical or coverage error may be present |
| A- 🡺 92 | The content demonstrates deep understanding of all relevant subject matter and its inter-relationships. All major relevant issues are covered, and all content is on-topic. |
| B+ 🡺 88 | The content demonstrates understanding of all relevant subject matter and its inter-relationships. Almost all major relevant issues are covered, and the content is at least reasonably on-topic. |
| B 🡺 85 | The content demonstrates understanding of most relevant subject matter and its inter-relationships. Almost all major relevant issues are covered, and all content is at least reasonably on-topic. |
| B- 🡺 82 | The content demonstrates moderate understanding of much relevant subject matter and its inter-relationships. There is reasonable coverage of major relevant issues, and the content is at least reasonably on-topic. |
| C+ 🡺 78 | The content demonstrates some understanding of relevant subject matter and its inter-relationships. Some major relevant issues are covered, and at least some content is on-topic. |
| C 🡺 75 | The content demonstrates understanding of a small portion of the relevant subject matter and its inter-relationships. Some major relevant issues are covered, and at least a small portion of the content is on-topic. |
| C- 🡺 72 | The content demonstrates little understanding of and insight into the relevant subject matter and its inter-relationships. A small portion of the major relevant issues are covered. The focus of the content may be off topic or on insubstantial or secondary topics |
| D 🡺 67 | The content demonstrates almost no understanding of or insight into the relevant subject matter and its inter-relationships. Almost none of the major relevant issues are covered, and the content may be almost entirely off-topic. |
| F 🡺 0 | The content demonstrates no understanding of or insight into the relevant subject matter and its inter-relationships. No major relevant issues are covered, and the content is entirely off-topic. |
| **Exposition (30%)**  **Measures how well the content is expressed** | A+ 🡺 100 | The presentation of all ideas and designs is exceptionally clear and persuasive; the entire submission is exceptionally organized. There is no known way to improve the clarity or organization of the submission. |  |
| A 🡺 96 | The presentation of all ideas and designs is exceptionally clear and persuasive; the entire submission is exceptionally organized. There may be at most one insignificant way to improve the clarity or organization of the submission. |
| A- 🡺 92 | The presentation of all ideas and designs is very clear and persuasive; the entire submission is very organized. |
| B+ 🡺 88 | The presentation of all ideas and designs is clear and persuasive; the entire submission is organized. |
| B 🡺 85 | The presentation of most ideas and designs is clear and persuasive; most of the submission is organized. |
| B- 🡺 82 | The presentation of most ideas and designs is generally clear; most of the submission is reasonably organized. |
| C+ 🡺 78 | Some parts of the submission are hard to understand; some parts are disorganized. |
| C 🡺 75 | About half of the submission is hard to understand; about half is disorganized. |
| C- 🡺 72 | Most parts of the submission are hard to understand; most parts are disorganized. |
| D 🡺 67 | Almost all of the submission is hard to understand and disorganized. |
| F 🡺 0 | The entire submission is hard to understand and disorganized. |
|  | FINAL GRADE | |  |