Team Members

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The following is a check-list for all the required documentation

1. A revised design, based on feedback from the first part. This includes class diagrams and English descriptions of classes and associations.

2. The relation scheme, based on the design and feedback from the second part.

3. English description of all attributes.

4. DDL used to create all the tables

5. DML used to insert the data

6. Queries to produce the reports, as described below

7. Sample output of each of the queries

8. Denormalization information

Business Rules

1. If a domestic flight is 4 hours or more, they get a meal free of charge. (Osman)

2. If a local flight is delayed over an hour, they get a free water (Osman)

3. If a domestic flight lasts less than 4 hours, they get free WIFI access. (Gustavo)

4. If a local flight lasts less than two hours the checking bag fee will be waived. (Gustavo)

Queries

1. The list of all airlines for a given airport.

2. The list of all flights for a given airline. Sorted by:

a. starting location

b. destination

c. longest flight

d. shortest flight.

3. Flights that charge for extras (water, etc.)

4. The crew roster for each flight for each airline

5. The trips that are available if you do make one stop over

6. Management reports of mifly information:

a. arriving flights per city

b. departing flights per city

c. list of airlines in each service category

d. crews that fly multiple flights in a single day

7. A list of all incident reports by flight

8. Flights that are scheduled to depart in three days

9. All flights that arrived in the busiest airport in the last week

10. Flights that departed more than 30 minutes late.

11. Individually designed queries (two per team member)

a. A query that shows our first business rule, displays the flight number, region, service type, cost, and length of a flight in hours for meals that are served on a domestic flight.

b. A query that shows our second business rule, displays the flight number, region, service type, cost, and flight delay in hours for water that is available on a local flight.

c. A query that displays our third business rule, shows the list of instances in which customers received free WiFi access whenever a flight lasted less than six hours

d. A query displaying the fourth business rule, shows instances in which customers were allowed to bring in a free checking bag if a flight lasted less than 2 hours