Course Project

Phase 2

• Three steps:
  – Translate your ER diagram to relational schemas
  – Create tables in a MySQL database
  – Import flight data

• Turn in a document describing
  – Any changes from your initial model
  – Functional dependencies that hold on each schema
  – Any relational decompositions to 3NF or BCNF (and, if you choose not to use BCNF, a justification)
  – The SQL commands you used to create the tables and import the data
Phase 2 Data

• I will provide data (five text files in CSV format) consisting of:
  – Airline information (21 different airlines)
  – Airport information (48 different airports)
  – Aircraft information (~50 unique aircraft models)
  – Flight information (several thousand flights)
  – Fare information (fares sold on each flight)

• You may use the data as provided, or you may pre-process it in any way you choose

Using MySQL

• Each group will have an empty database set up in the MySQL server on orioles.acad.ece.udel.edu
  – Please make sure you are able to log in and let me know ASAP if you can’t

• To access:
  /usr/local/mysql/bin/mysql –u [username] –p [dbname]

• I will email each group a database name and password
Importing Data from CSV


• This will import into a table with the same name as the file
• Field order in table schema must be the same as the field order in the file

Phase 2 Due Date

• April 6th (right after spring break)
  – I recommend finishing earlier to have more time to program the application

• Also: midterm will be April 8th in class