

Harvey Mudd College
Computer Science 133
Database and Knowledgebase Systems
Fall Semester 2001

Final Project: Phase 1 – Design
Due 5:00pm, Wednesday, December 5, 2001

The purpose of this phase is to nail down as much of the database design as possible, recognizing that some changes may arise later.

At this time you are to hand in:

1. An E-R diagram of your database, specifying as many constraints as possible.
2. A description of any other constraints you think are relevant that are not apparent in the diagram.
3. A description of the tables that result from this diagram.
4. A listing of the functional dependencies that you expect to hold on each table.
5. A determination of whether each table is in BCNF or, if not, in 3NF.
6. A decomposition to at least 3NF for those tables that are not in 3NF.
7. A reasonable set of use cases for the system, describing roughly each form and response page you expect to create.