Project
Part 1
Due: Wednesday, November 19, 2003

Design a database to store data about students. Every student has a unique identifying number. For every student, the database should store the student’s gender, advisor(s), major(s), SAT scores, high school rank, degree date, degree (B.A., B.S., etc.), address (on/off campus), social organisation(s) and cumulative grade point average. For each student, for every semester, for every course the student took, the database should store the hours attended, the grade received, and the instructor.

Submission

Submit a write-up that describes the BCNF relations you would use to store this database. Your write-up should describe, for each relation, the candidate key(s), foreign key(s), if any, constraints on attributes, if any, the set of irreducible functional dependencies in the relation, and an explanation of why the relation is in BCNF. State clearly any assumptions you make about the data; all assumptions you make must be reasonable. If you are going to make any assumptions, let me know the assumptions by Monday, November 17, 2003 so that I could let you know if your assumptions are reasonable or not. Points will be taken off for unreasonable assumptions.

Mechanics of the Project

The entire project will be assigned in three parts. This is part 1 of the project. The submission for each part should be a well-formatted, typed document.