

CSCI 3357: Database System Implementation

Homework Assignment 1

Due Wednesday, September 4

Write a JDBC program named *SectionInfo*. Your program should make a network connection to a SimpleDB engine that holds the university database of Figure 1.1. It should request a section number from the user and then print the professor of the section, the number of students in the section, and the number of “A” grades given. For example:

```
Enter a section number: 43
```

```
Professor einstein had 2 students and gave 0 A's.
```

If there is no section with that number, it should print "No such section". For example:

```
Enter a section number: 1234
```

```
No such section.
```

Your program should execute two SQL queries: one that retrieves the professor name from the SECTION table, and one that retrieves the grades for that section from the ENROLL table. Note that SimpleDB's version of SQL cannot do arithmetic calculations, so you will need to do all arithmetic in Java.

WARNING: A JDBC program may exhibit bizarre behavior when multiple result sets are open at the same time. Always close a result set before you open another.