

CmpE 473 Internet Programming
Spring 2005
Assignment 4—Due: 12/05/2005 Before Class

You will do this assignment in groups of four people. One person in the group will be the project leader for each assignment in the course. The project leader should be different in each assignment.

Scenario: You will implement a system that will help university personnel reserve rooms for the activities that they are planning. The system will have two main functionalities.

- When the user inputs the number of people that will be present in the meeting and the campus name, the system will output a list of room possibilities to choose from. The user can then accept one of the rooms and reserve it. For example, the user can input 50 and Hisar, as the number of attendees and the campus name. As a result, the system can output ETA 313, KPARK 100, and so on.
- The user can ask the system to list all the reservations it has made so far. The system will output all reservations with dates, room numbers, and room information.

Implementation: The user will access the system through a Web browser. No additional application is needed. There should be data fields to carry out the functionalities listed above. The Web tier of the application will be handled using JSP. The room and reservation information will be accessed using EJBs.

Have test cases that show different variations of the above scenario. You will give a demo of your system in one of the labs in the CmpE department. You can use any application server (for example, JBOSS application server or Sun Java system application server) you like as long as you have access to it in the labs. Similarly, you can either use Sun's Web container or Tomcat for JSP implementation.