Mandatory assignment, vt04
a student registration system.

You are to write a webapplication that can be used to register students and their studying results.

Your application should have the following functionality

- Add new students
- Add new study results
- List all students
- List a student with all results
- List a course briefly and with a full description.

Your webapplication should be built according to the MVC model, i.e. you should use servlets for control, JSP’s for display and JavaBeans for business logic and database access. The output from the Beans should be XML-data that is processed using XSLT.
You will use the RDBMS MySQL as a base for this, information about how to access MySQL will be provided when available.

You have to use a servlet container and Tomcat has been setup so that your webapplication root is ~/tomcat. It can be accessed with the URL:

tomcat.it.uu.se:8080/nnnn

where nnnn is your username.
You should use the security constraint mechanisms in tomcat and produce a login form for the application.

The base for you are three different database tables

- A student table that holds the following information

  idnumber
  name
  address
  studyprogram

- A course table that holds the following information

  course id
  course name
  number of points
  course plan (full textual description)

- A result table with the following data

  student id
  course id
  date of examination
  result of the examination
After being logged in, you should be presented a “menu” of the services that the application offers.

These should include:

- Add a new student. A form should be presented and filled in. The data should then be stored in the proper database table.

- List all students. This should search the database for all students and display a formatted display.

- List one student together with all of his/hers results.

- List a selected course in brief format. This page should have a link that allows you to select a full course description.

- Add new results. You should obtain a form, fill in all data and update the appropriate database tables.

You can work in groups of 2-3 persons. When finished, you should demonstrate your application interactively.