

Assignment 4

Create a web application backed by Enterprise Beans. The web application must run on a Tomcat outside of Wildfly. Data persistency is provided by an H2 Database. Use Business delegates, Façade, Service Locator, DTO and document them in the report.

The class Student has fields Name, Surname, Matriculation.

The class Teacher has fields Name, Surname

The class Course has field Name.

Teacher and courses are related by a 1:1 relation.

Student and courses are related by a N:M relation, with an attribute giving the vote obtained by the student in the course (if any)

The Web App has:

- a Student page, where given a matriculation number we can obtain all the anagraphic data of the student, together with the list of all the courses he is enrolled in and the votes.
- An advisorChoice page, where given a matriculation number we can obtain the anagraphic data of the student, together with the names of the teachers of the courses the student is enrolled in.

Populate the database with at least 3 students and 3 courses.

The advisory choice page only presents the list of possibilities, it is not necessary to implement the actual choice.

The implementation of the business login must be in the EJB part, the web part is only for expressing the request and for showing the resulting data.

Optionally you can also implement a standard Java application as front end.

As usual, deliver zipped project and the report. Delivery by Sunday, Dec 11, 23:59.