# EPAW – LAB 2

GOAL: Implement the form you designed in the preparatory seminar.

The first task that you should do is to download and import to Eclipse the template provided for this Lab. The template contains the basic structure that will show you how to use the technologies that have been seen in the theory and seminar classes: Servlets, JSPs, Java Beans, HTML, JavaScript (JQuery).

What and where to look at in the template?

- src/models/BeanUser.java
  - Java Bean that contains the data of the form.
- src/controllers/FormController.java
  - Servlet that contains the basic logic of the user registration process.
- WebContent/RegisterForm.jsp
  - JSP that contains the form and uses JQuery for validation purposes.
- WebContent/RegisterFormHTML5.jsp
  - JSP that contains the form and uses HTML5 for validation purposes.

Tasks:

1. Add the necessary inputs into the form (RegisterForm.jsp or RegisterFormHTML5.jsp) to meet the requirements you decided in the last seminar.
2. Perform their corresponding validations (client side) using JQuery or HTML5 (your choice).
   a. Note that in the case of using JQuery we have added two JavaScript libraries (see RegisterForm.jsp):
      i. https://ajax.googleapis.com/ajax/libs/jquery/3.2.1/jquery.min.js
      ii. https://cdn.jsdelivr.net/jquery.validation/1.16.0/jquery.validate.min.js
3. Modify the Java Bean with the necessary fields to match your input forms. You must use the name conventions and set the inputs accordingly (see the theory slides).
   - Note that to fill the JavaBean with the content of the request parameters automatically (see FormController.java), we use the BeanUtils class. In order to be used we have added two jar files in WebContent/WEB-INF/lib:
     - commons-beanutils-*.jar (http://commons.apache.org/proper/commons-beanutils/)
     - commons-loggins-*.jar (https://commons.apache.org/proper/commons-logging/)
4. Perform the needed validations for each parameter (server side).
5. Create a database and a table that meets your requirements. If all the data is correctly filled make an insert into the table. You can use the code of LAB 1 (DAO.java) and add a method to perform INSERTS.