

Project

In this project you will implement the backend of a web application.

Submission instructions

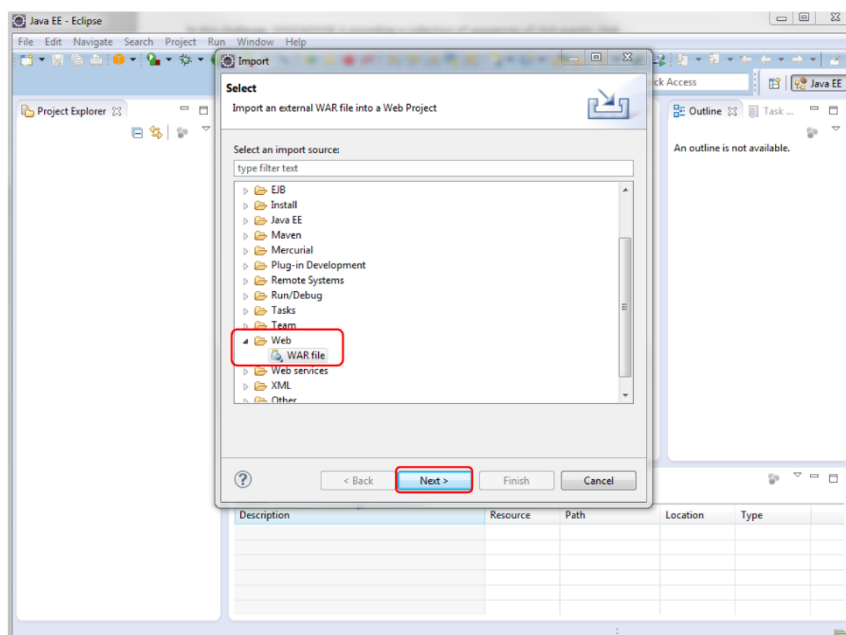
- The project should be submitted by pairs.
- Deadline: 04/01/2021, 23:59.
- The project will be checked frontally, the date of the frontal checking will be published soon.
- You should submit zip file with your project to the model.
- The name of your project should be of form id1_id2 where id is your ID number.

Development instructions

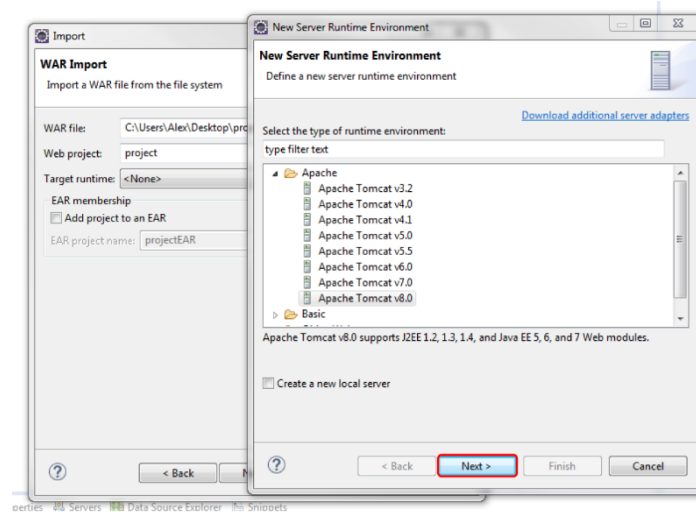
Make sure you have the table from the previous assignment (Medialtems).

1. Preparations

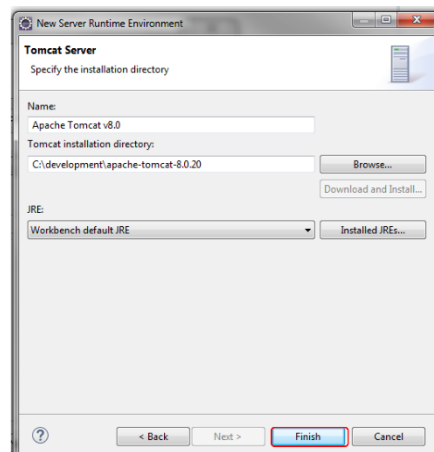
- a. Download Apache Tomcat: <http://tomcat.apache.org/>
Choose core version that fits your OS, Eclipse and java version,
If you are using eclipse "luna" and Java 8 you should choose tomcat 8
If you are using previous version of java or eclipse choose tomcat 7
No need to install only unpack.
- b. Download project war file from Moodle.
- c. Import project to eclipse
 - i. Open Eclipse, click on "File" -> "Import..." -> "Web" -> "WAR file" -> "Next"



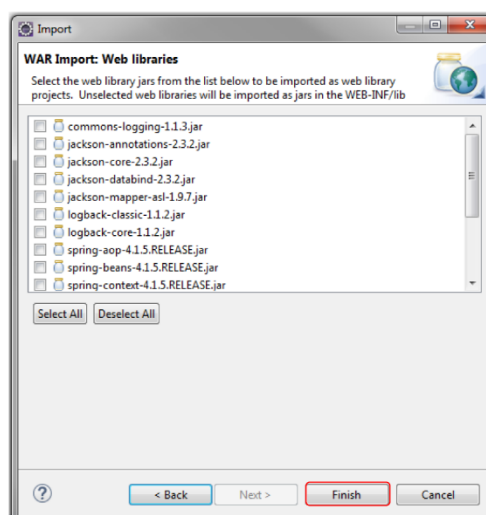
- ii. Browse for the WAR file
- iii. On the line of Target runtime click on "New..." and choose appropriate Apache Tomcat server, click on "Next"



- iv. Browse for Tomcat installation directory and click on "Finish"



- v. Don't choose nothing and again click on "Finish"

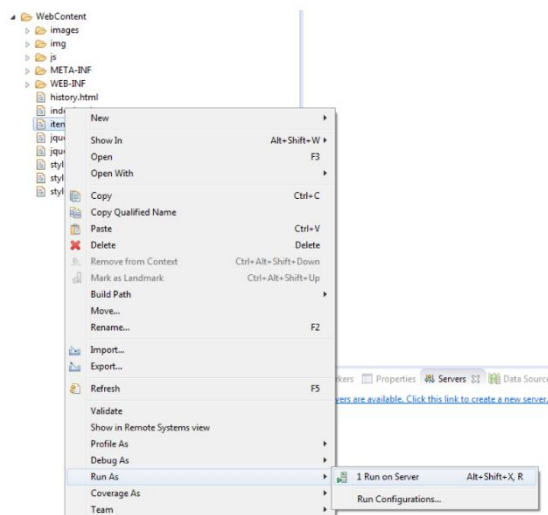


2. Java

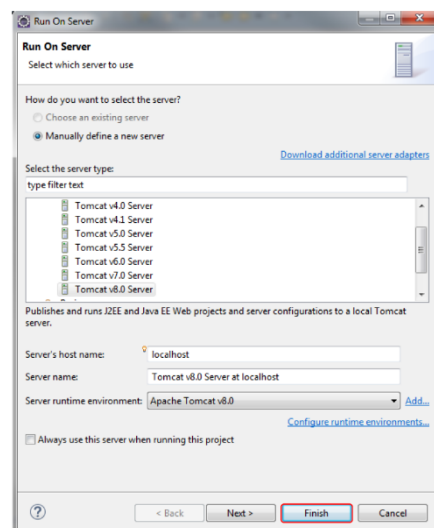
- a. Implement all functions in *RegistrationController*, *ItemsController* and *HistoryController*.
- b. **You can use any NoSQL DB.**
- c. Please read carefully the instructions written in Java Doc comments in these classes.
- d. If you have any question, you can ask us in the project forum.
- e. If you need to use any external libraries (jars) you should copy them physically to the folder "WebContent/WEB-INF/lib". Don't touch the jars that already exists over there.
- f. Example of url to fillMediaItemsFromUrl function (in itemsController):
<https://drive.google.com/uc?export=download&id=1kKKkAJlqf0xzfOmLpX9sZC6Zfq8JZfxr>

3. Running Web application in Eclipse

- a. Click on "WebContent" -> right click on "index.html" -> "Run As" -> "Run on Server".



- b. Choose your tomcat version and click on "Finish"



Good luck!
Yafit and Bar