

REST PROJECT

The aim of the REST project is to provide a group of people (community) with a web page that would allow them to post a set of media items they own such as: books, video games, DVDs, etc. The idea is that the owner could post comments on its items and so do the other users of the website. This could be used as a recommendation page. People before buying or reading a book for instance, would first read the comments and why not ask if the user could lend it to them or sell it. Let's focus on the following scenarios:

1-users can get access to the page (free access) and for instance ask to display/list media by

- Categories (books, video games, DVDs)
- By searching a given keyword
- Or by city
- By user

2- Once the list of items displayed, one can click on one item to see more details about it (authors, year, etc) and the rates that other users gave it

3- users can post their own items on the website so others can ask to borrow them or simply to put recommendations on them

4- A user can delete only its own items.

Work to be delivered:

-Implementation of the above-cited functionalities using REST Web Services. The implementation would come as a server side application in Java only (with a data base or simply objects in collections in memory).

For the client side three options

- Easy: use of Postman plugin in chrome or SOAPUI to simulate REST WS Calls
- Medium: implementation of Java main class with the WS calls hard coded
- Hard: a full web front end using HTML and Javascript

Mandatory: use of Jax-RS spec with the Jersey implementation. Do not use Spring framework.

For the defense: no ppt, no docs, only a working code! 15min max by Group. Max 4 people by group. Only Java, no other languages are allowed.