Server side Web Development (TPWK16) - Guide for the evaluation of the laboratory work

Evaluation criteria

Below follows the criteria for the different grade levels for evaluating the project work. It will always be a matter of judgement. It has always to be evaluated how relevant a certain part of e.g. provided code is in the context.

Grade 3 requires:

- A reasonable and correct structuring for the solution of the problem given. Includes separating controller logic from business logic, and to have a data access layer. It needs not be in separate projects though.
- The developed system should fulfil the mandatory requirements according to the project description (Assignments 1 to 4). E.g. there should be a stable login functionality. There should be a relevant result when e.g. performing a search on a writer of a book title or searching on a certain or part of book title.
- Have implemented a basic error management that e.g. takes care of erroneous input and gives a relevant output to the user. E.g. if the database connection fail or a search does not generate any results.
- The semantics of the variables shall be consistent. E.g. to store whole objects as session variable instead of the parts of an object separated on different session variables.
- The results shall be published in a runnable condition on the server provided to the group.
- The results of the project shall demonstrated to the teacher.

Grade 4 requires:

- Grade 3 requirements fulfilled and the resulting system has been uploaded before deadline.
- Document the application so that the use of variables and methods are clear, especially by comments in the code. The names of variables and methods should be describing their usage in a good way. There should be a clear and thoughtful structuring in the use of variables and functions.
- The code, written by you, should follow a style-guide for e.g. the naming of variables and functions etc. (E.g. the constructors with upper case first letter). It is important to build the system and its architecture in a consistent way.
- Each of the layers for controllers, business logic and data access must be separated in different projects.
- In the report a relevant calculation of the costs shall be done. It should contain the cost for running the application and the database on Amazon Web Services for three years.
- The requirements for grade 4, as mentioned in the project instructions, need to be completed.
- The application must be secured against SQL-injections.
- The users passwords must be hashed.

Grade 5 requires:

- Grade 4 criteria fulfilled.
- The problem solving shall be skilfully handled. It can e.g. mean to avoid redundant code (which does not provide any value to the solution), code that can be more optimally written. It can also be a more elegant solution.
- To write a more generalised and reusable code e.g. by well written methods with specific purpose and clear interface. It can also e.g. be an elegant use of partial views.
- The application must be protected against cross site request forgery.
- The requirements for grade 5, as mentioned in the project instructions, need to be completed.