

Assignment

General information

Course: PRJ301 Java Web Application Development

Contribution: 40% of course

This assignment should take an average student who is up-to-date with tutorial work approximately 5 weeks

Plagiarism is presenting somebody else's work as your own. It includes: copying information directly from the Web or books without referencing the material; submitting joint coursework as an individual effort; copying another student's coursework; stealing or buying coursework from someone else and submitting it as your own work. Suspected plagiarism will be investigated and if found to have occurred will be dealt with failure of the course. All material copied or amended from any source (e.g. internet, books) must be referenced correctly according to the reference style you are using.

Assignment Submission Requirements

- Source code is submitted to Github repository
- Report for software design is written in .md format and submitted to Github repository. Read [How to write in md format](#)
- If student lacks one of them, you are not allowed to present your final project.



Detailed Specification

You must provide a complete design of your Java web application with following details

1. Requirements:

Describe details of the system which you will develop. Main points are:

- Name of your system.
- What is the purpose of the system?
- Who use the system?
- List all features your system can do, arrange the features in a specific classification.

2. Wireframe or screenshots of the system

- Draw a wireframe of your expected GUIs or screenshots of GUIs.
- Draw a site map which describe how your GUIs link together.

3. Database design

- Draw Entity Relationship Diagram. You can use draw.io to draw your diagram or use any database tool to generate ERD.

4. System design

A detailed description of how you develop the system. You should provide your understandings of your MVC2 architecture and how your application is implemented. The diagrams (eg UML: deployment diagram, class diagrams, sequence diagrams, state chart ...) should be provided if necessary.

A detailed description of any new technologies you find out to develop applications.

5. Conclusion and Discussion

- The pros and cons of your application.
- What you've learned during the development of this application.
- What would you improve your application. Your implementation:

Your demonstration

You will be required to briefly demonstrate your system (slides should be prepared).

Evaluation

- Requirements: 10% - Requirements certainly coherent
- Database design: 10% - The database is designed as standard and structured in accordance with the business rules
- System design: 20% - A design highlight the MVC pattern, the diagram used standard notations.
- Screen shots: 5% - A complete guide and understandable on used screens
- Conclusion and discussion: 5% - The personal opinions should be clarified. The knowledge learned should be highlighted.
- Demonstration: 50% - Programs comply with the proposed design. Operation with good quality.

Proposed Topics

- Online fashion shop which sells man and woman clothes
- E-book library where people can share upload and share their books
- Love matching site where people can find their lovers based on their characteristics
- Real Estate website where people can upload their house information.
- CRM Systems to manage customers and their activities.
- Your proposed topic. You will need approval from your lecturer.