CSE 222 – Data Structures

PROJECT ANNOUNCEMENT

You will design and implement a software system to solve a problem selected by you. You will work in groups of 8 students. The groups will be formed randomly and announced through the Moodle system. If there is a non-contributing member of the group, with the more than 70% majority of votes, the group have the right to get the member out of the project group. These members will get a grade of zero.

Each group will create a free GitHub account for their project, the group members will also be members of the git project and the development process will run on GitHub.

Your **project proposal** will include:

1. Group members
2. Problem definition
3. Users of the system
4. Requirements (detailed)
5. Use-case diagrams
6. Module diagram including system modules and their interactions (high level design)

Your **2nd project report** will include:

1. Group members
2. Problem definition
3. Users of the system
4. Requirements (if changed, you should explain the requirement changes)
5. Detailed system modules (specifying the data structures you use within each module): Your design should include some specified data structures.
6. Class diagrams
7. Sequence diagrams
8. You can add any other diagram you need to model and/or explain your system
9. Implementation details
10. Test cases

Your **final project report** will include:

1. The same parts with your 2nd project report with explanations and reasons of changes if there are any
2. Test results according to your test cases. You must explain your results using screenshots and tables within your report
3. Your implementations will be completed, and you will upload your implementations and final reports together to Moodle

Your **design and implementation process** will be as below:

1. You will upload your project proposals.
2. Proposals will be reviewed, and you will receive a response.
3. We will list some data structures that should be included in your design.

4. You will upload 2nd version of your project reports after including specified data structures into your design and making necessary changes according to the responses
5. Your reports will go through the second review process.
6. We will give a second list of data structures that should be included in your design.
7. Your implementations and final reports must be compatible with the responses of second review and must include the specified data structures.
8. You will upload your implementations and final reports.
9. You will present your projects.

Important dates and necessary details will be announced from Moodle.

CONTACT:

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