

SWEN 6301: Final Project Proposal

Due on October 20, 2018 at 2:00 PM (noon)

Instructor: Ahmed Tamrawi

The project of the Software Construction course aims at evaluating your software development skills including: problem formulation, requirements gathering, design, coding, testing, and deployment.

Proposal Submission

An up-to 1000 words document that contains the problem definition and the proposed solution must be submitted by the set deadline. The proposal document should also contain details about the preferred software repository, languages, and testing strategy to be used.

Final Project Submission

All the software files (e.g., code, database tables etc.) should be provided using a project management/hosting service such as github.com and bitbucket.org. Besides that, a report should be delivered, including:

1. Problem statement
2. Brief list of requirements
3. Software design referring to its subsystems and internal connections, with a discussion on why you need those subsystems and the reasons behind the connections between the subsystems. Each group member should be responsible for the implementation of, at least, one subsystem and the workload among the group members should be fair.
4. Each group member should also contribute to the overall design and the report preparation. The contribution of each member should be explicitly mentioned.
5. Internals of the subsystems, i.e. the classes in each subsystem together with their relations such as inheritance
6. A set of representative screen-shots of the running system, with some test-cases

Although having a good user interface is appreciated, please keep in mind that the general system design and classes' internals together with their relationships are more critical.

After all projects are submitted, each project will be evaluated by another randomly selected team. The evaluation team will submit an evaluation report discussing the good elements and issues in the evaluated project. The evaluation will be based on the concepts learnt through the course.

Important Dates for Project submissions

- Proposal Submissions Due: 20th October, 2018
- Notification of Acceptance: 23th October, 2018
- Final Project and Report Submission Due: 8th December, 2018
- Final Project Presentation: 8th and 15th December, 2018

Grading

The final project submission is worth 30% of the total course grade where the project presentation is worth 5%. We expect everyone to respect the set deadlines. Please, contact me for any clarifications or questions.