CENG350 SOFTWARE ENGINEERING

SPRING 2022-2023

PROJECT SPECIFICATION, v2.0

You will perform (i) requirements engineering and (ii) architecture design for a particular software-intensive system, and prepare the associated documents complying with the related standards.

The topic of this semester's project is *afetbilgi.com* [1], a project which was quickly started by a group of volunteers when earthquakes hit on February 6th, 2023, in order to support help efforts for earthquake victims. The source codes of the project are available on GitHub.

The basic task in this semester's project is modelling and documenting the *afetbilgi* web application as is. However, in the inventive sprit of the volunteers, you are expected to go beyond the existing software and propose improvements.

Deliveries (both in two instalments):

i)   Software Requirements Specification (SRS) (ISO/IEC/IEEE 29148-2018, clause 9.6) [15% = 1.5% for part-1 + 13.5% for full document]

ii)   Software Architecture Description (SAD) (ISO/IEC/IEEE 42010-2022, clause 6, and Rozanski-Woods Viewpoint Catalog) [20% = 2% for part-1 + 18% for full document]

Guidance will be provided on the use of these standards in the project.

Project work, including background knowledge, will be part of examination coverage (midterm and final exams).

Ground Rules:

- You may work alone or with a partner. The workload will be the same.
- Students registered in different sections can be on the same team.
- Discussion and delivery medium: ODTUClass. Follow the instructions.
- Modeling language is UML 2.x. You must use StarUML [2], the most recent version.
- When you need clarification on *afetbilgi* you may pose your questions on our ODTUClass discussion forum. Please, do not try to get in touch with the original developers.
- Document outlines and the rubrics for grading will be issued separately.
- For administrative matters you may send an e-mail to our TA İbrahim Tarakçı, tarakci@ceng.metu.edu.tr

Detailed Schedule

1. SRS part-1: SRS document, fully formatted, including the system context and the interaction view only: April 12,23:55.
2. Final SRS: full document, April 24, 23:55.
3. SAD part-1: SAD document, fully formatted, including the composition view only: May 17, 23:55.
4. Final SAD: full document, May 24, 23:55.

Late submission will be subject to significant penalty.

References:

[1] https://www.afetbilgi.com/

[2] https://staruml.io/