

AA 2015-2016 Software Engineering 2—Project goal, schedule and rules
READ THIS VERY CAREFULLY—NO EXCUSE FOR IGNORING WHAT WE WRITE HERE

1 Software Engineering 2 project: goal and approach

The objective of this project is to apply in practice what you learn during lectures with the purpose of becoming confident with software engineering practices and able to address new software engineering issues in a rigorous way.

The project includes five different assignments:

1. The preparation of a Requirement Analysis and Specification Document (RASD) for a problem we provide you.
2. The definition of the Design Document for the system considered in the RASD.
3. A code inspection and bug identification activity. This activity will focus on the analysis of an existing well-known open source project.
4. A testing activity focusing on the same project considered in the previous point.
5. An assessment of the effort and cost required for the development of the project considered in the points 1 and 2.

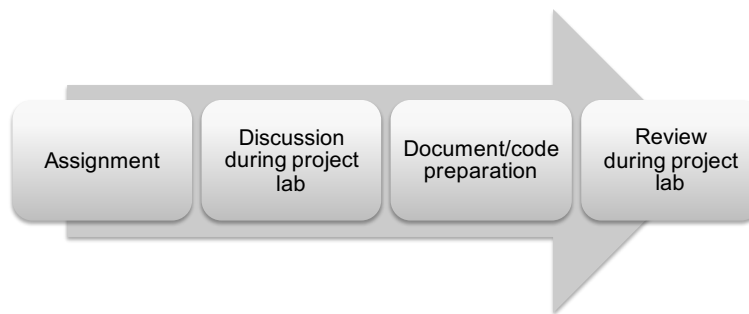


Figure 1. Assignment life-cycle.

Each assignment will be discussed in the project lab sessions. After the delivery of the corresponding artifacts, some assignments, casually selected, will be reviewed collectively during project labs (see Figure 1). If the students responsible for these assignments will not be available in class, this will be considered in the final evaluation of the project.

All assignments that will not be discussed during the lab sessions will be reviewed during the final presentations at the end of the course.

The evaluation will aim at assess the quality of the artifacts you will prepare (accurateness, completeness, soundness) and the quality of your presentation (if you are able to explain your point in an appropriate way and if your presentation fits in the allowed time).

2 Project schedule

- Group registration 14/10/2015
- RASD (Requirement Analysis Specification Document) and Design assignment 15/10/2015
- Open discussion on RASD during the project lab of 21/10/2015
- RASD submission deadline 6/11/2015
- Presentation of RASDs and peer review on 11/11/2015

- Open discussion on Design Document 12/11/2015
- Design Document submission deadline 4/12/2015
- Presentation of Design Documents and peer review 9/12/2015
- Code inspection assignment 9/12/2015
- Open discussion on inspection 16/12/2015
- Inspection document submission deadline 05/01/2016
- Presentation of inspection documents and peer review 07/01/2016
- Testing assignment 07/01/2016
- Open discussion on testing assignment 08/01/2016
- Testing document submission deadline 21/01/2016
- Presentation of testing document and peer review 22/01/2016
- Function points assignment 22/01/2016
- Open discussion on function points 28/01/2016
- Function points document submission deadline 30/01/2016
- Final presentation (to be scheduled)

3 Rules

- The project has to be developed in groups of two or three persons. Groups composed of a single student are allowed even if not suggested. The assignments will be calibrated based on the size of the group.
- Each group MUST register to the project following the steps indicated in Section 4.
- Each group MUST provide the requested artifacts within the stated deadlines. A delay of a few days will be tolerated but it will result in a penalty in the final score. It is mandatory to provide these artifacts and to present them to the reference professor in a final meeting that will be scheduled on the web.
- The material presented in one artifact is not fixed in stone. You can provide updates after the discussion sessions in the project lab.
- During the development of the project each group will keep track of the number of hours each group member works toward the fulfillment of each deadline.
- For any question related to the project that could be interesting also for the other groups please use the forum available on the course website. We will answer as promptly as possible.

4 Group registration

You should form your group and register it by going through the following steps:

1. Create a repository for your project on github (<https://github.com>). Note that in previous projects we have been using GoogleCode, but, unfortunately, Google has decided to dismiss it. Make sure that you give a meaningful name and description for your project. Make sure that all group members have a github account and have access to the repository. We would like to see commits performed by all group members.
2. Register your group by filling in the following form <https://docs.google.com/forms/d/1PaYzfX4OsnTqjq4bd3t3XOjL4XdrUM7wQpEnYpaf420/viewform>. Do not forget to include in the form all relevant data!