

NLP Project Description

There is no constraint that the teams should have different topics for the project. However, there is a limitation of 2 teams working on the same topic (if they present different strategies).

Each team should keep a project journal that is written in Calibri, 11 or Times, 12 and that has to be updated (at least) before each milestone. At least a member of each team must be present to make a live presentation of the project after each stage! The dates for the live presentations shall be decided during the semester, usually in the first lab after the deadline of a milestone.

MILESTONES AND POINTS

Milestone 1 – Choosing projects

Deadline February 27th (presentation in Week 3)

MANDATORY (-10% penalty if missing)

Requirements:

- teams are formed and decide which lab they will attend
- teams have chosen a topic for the project
- motivation for choosing the project
- short powerpoint presentation about how the problem may be solved, describe alternatives, what tools are needed (maximum 10 minutes / team)
- write at least half of page (maximum 1 page) in the project journal presenting the main ideas from this stage

Milestone 2 – Documentation and state-of-the-art

Deadline: March 13th (presentation in Week 5)

Percentage: 20%

Requirements:

- each team shall read papers, books and other documentation about the problem and the solutions to the problem they are solving
- identification of the best solutions
- express your personal opinions about the best solutions and possible improvements
- identify possible alternatives for your solution and the technologies and algorithms that you want to use
- short powerpoint presentation about this stage (maximum 10 minutes / team)
- write at least 1 page (maximum 3 pages) in the project journal presenting the main ideas from this stage

Milestone 3 – Architecture and technologies

Deadline: April 10th (presentation in Week 9)

Percentage: 20%

Requirements:

- software architecture specification
- describe the technologies and algorithms that you are using + short justification for choosing them + at least an alternative solution (with advantages and disadvantages) – focus on NLP related technologies and algorithms
- main modules of the application and communication between them
- description of the most important classes (UML)
- use software design diagrams (use-cases, interaction diagrams, UML) as needed
- short powerpoint presentation about this stage (maximum 10 minutes / team)
- write at least 2 pages (maximum 5 pages) in the project journal presenting the main ideas from this stage

Milestone 4 – Presentation of the beta version

Deadline: May 1st (presentation in Week 12)

Percentage: 20%

Requirements:

- present the current stage of the implementation
- demo of the beta version of the project
- at least some processing should work and have some beta results
- short powerpoint presentation about this stage (maximum 10 minutes / team)
- write at least 1 page (maximum 3 pages) in the project journal presenting the main ideas from this stage

Milestone 5 – Presentation of the final version and results

Deadline: May 15th (presentation in Week 14)

Percentage: 40%

Requirements:

- final bug fixes and testing
- development is finished
- demo of the final version of the project
- readme on how to run the project
- presentation of the most important results
- compare your results with the results of others (if any)
- conclusions
- short powerpoint presentation about this stage (maximum 10 minutes / team)
- write at least 3 pages (maximum 10 pages) in the project journal presenting the main ideas from this stage (focus on results, conclusions, final solution and architecture)

The final presentation must include a live short demo that demonstrates the key functionality and results of the project. You can also use the presentation for the current stage to highlight some elements from the architecture, technology, implementation and **RESULTS**. All these items must be written in the project journal. At the end of this stage, you shall give us the project journal that must contain the name of the project, the team, the SVN/CVS where you stored the source code/all the presentations + project journal.