Scuola universitaria professionale
della Svizzera italiana

SUPSI

5-week-bang-your-head educational project

At the end of this unit...

You will have developed a complete software product, grown some practical experience, reflected on fundamental issues of SE, and hopefully built the questions that our SE modules will help to answer.

You will have also experienced the presentation and the defence of your work in front of an audience.

The final software product...

You will implement a software product that:

- reads some movie metadata (source: IMDb) from a CSV file, on disk

- calculates some statistical values*

- writes the resulting statistical data to a CSV file, on disk

- takes the input file path and the output file path from a user's preferences file

- runs as a stand-alone executable, from the command line (i.e., there is no GUI)

- runs transparently on both MS-Windows, MacOS, and GNU/Linux

* total number of movies, average movies run-time, best director, most present actor/actress, and most productive year

While you work at this project...

We expect that you reflect on how you approached some fundamental issues of SE, like:

- requirements elicitation and formalisation

- software design and development

- source code and product versioning, software dependency, build and distribution, ...

- team collaboration

We want you to reflect especially on:

- how you managed these issues

- who made the project decisions, how, and when

- what tools you used (if any) for what purpose(s)

Presentation and defence

At the end of the project, you will:

- present your work

- defend it (defend your choices and decisions)

- demonstrate the working software product

- present your thoughts and experience regarding the mentioned SE issues

We will provide you with a presentation structure, that you will be required to follow.

Each presentation will last 10 minutes (turnaround time).