Exam Preparation

PREPARING MATERIAL FOR THE EXAM

a.k.a. how to get 30+

Recap: Exam

- The exam consists in **the evaluation of the Group Work** that is assigned during the course
- Goal: assessing the capability to design and develop an AmI system
- Two phases:
  - Evaluation of documents
  - Oral exam (to also assess individual contributions)

"*I did the project website/the video*" is typically not enough for a sufficient evaluation!

1) Evaluation of documents

- First phase, happens "offline"
- Evaluation of the **project website**, updated according the provided feedback
  - Deliverable 1 (vision)
  - Deliverable 2 (features and architecture)
  - Presentation video
- Evaluation of the **Git/GitHub usage and content** for the project source code

1.a) Website evaluation

- We will look at the latest version of both deliverables
  - as we see them for the first time
  - integrated in the website, not "segregated"
  - the website should be easy to navigate
- A presentation video **must** be embedded in the website and hosted on YouTube
  - Guide and suggestions: http://elite.polito.it/files/courses/01PRD/2015/video _guide.pdf

1.a) Website: video preparation

- A **good** presentation video should tell a story but also
  - present the system and
  - describe its main features (not all!)
- Most videos have a short introduction, explaining the goals and context of the work
  - then, they emphasize the problems or issues the project addressed
- No cartoon-only videos!

1.a) Example of "good" videos

- Some "high graded" videos from the previous 2 editions of the course:
  - https://ami-2017.github.io/AmIcook/
  - https://ami-2017.github.io/Mr.Bin/
  - https://ami-2016.github.io/iStop/vision.html
  - http://ami-2016.github.io/DgG/

1.b) Git/GitHub evaluation

- DO
  - use Git and GitHub from the beginning
    - not just the day before the exam
  - everybody works with Git/GitHub
  - properly use one or more branches
    - the "master" branch *must* always be present
- DO NOT
  - upload files from the GitHub web interface
- N.B.
  - only the *-code repositories will be evaluated

2) Oral exam

- Second phase, happens "online"
  - i.e., at LADISE, on the exam date(s)
- Evaluation of each **project**, separately
- We will also assess the **individual contributions**
- Two steps:
  - Presentation and demo (20 minutes, max)
  - Discussion (5 minutes, max)

2.a) Presentation and demo

- Each group has 20 minutes (max) for showing the presentation and the demo
  - you can split that time as you prefer
  - both items must be done, however
- Presentation can be realized with PowerPoint and delivered in LADISPE, either
  - by connecting your laptop computer to the projector (VGA only!)
  - or by using a desktop computer available in the lab (slides in PDF!)

2.a) Preparing the presentation

- Always keep in mind that the teachers have already read your website…
  - therefore, there is no need to explain what is AmI, which are the AmI steps, etc.
- … and checked your code!
- Focus on
  - the system we are going to see
  - its features/characteristics
  - some important technical details linked to the specific problems and issues tackled in your project
  - individual contributions
- Everyone **must** speak during the presentation

2.a) Preparing the demo

- The key message here is: **prepare** the demo!
    - do not improvise
    - test it the day before, on the day of the exam
    - have a friend try and test it
    - know your critical points (things that might go wrong) and prepare a "plan B" for them
- Show the system at work, as it should be used by your "typical user"

2.a) Preparing the demo

- Technical details should be not described here
  - they can be inserted in the presentation
  - they may be asked during the discussion

- Before the oral exam of your group, you will have plenty of time to set up everything

2.b) Discussion

- It is a session of Q&A of around 5 minutes
  - in front of the demo, typically
- Questions can be
  - follow-up from the presentation
  - clarifications about some features
  - requests for more (technical) details
  - clarifications about the individual contributions
  - etc.

Questions?

01QZP AMBIENT **I**NTELLIGENCE

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