Exercise Introduction

Your friendly assistant

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Chair of Programming Methodology

INTRODUCTION

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Project

- The project will reflect the material learned during the lecture and exercises.

- Ungraded, but must be completed **successfully** to be admitted to the exam.

- Must be done in **teams of three or four people**.

- If you obtain
  - **50% of the total number of points** and
  - **25% of the points for each of the five deliverables**

  you will be admitted to the exam.

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Project Content

- Topic: an audio player for musicians

- Covered software engineering aspects:
  - Requirements Elicitation
  - Analysis
  - System Design
  - Detailed Design
  - Testing

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Exercise Session Structure

- *Goal*: Show you the tools of the trade and give you a chance to use them.

- *First 2 hours*:
  - Presentations/Demos of Software Engineering tools and techniques
  - Hands-on exercises

- *Last hour*:
  - Project supervision session (discussions, questions, help, etc.)

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1. Project
2. **Deliverables**
3. Expectations
4. Groups

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Deliverables

- The project will be realized over the course of the semester by deliverables.

- The deliverables capture important stages of software engineering.

- Every deliverable must also include a **short presentation (10 min.)** of your deliverable.

- You get a number of points for completing each deliverable.

- If your deliverable is **not satisfactory**, you need to continue the project based on a solution provided by us.

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Deliverables — Timeline

Task	Handout	Submission	Student presentation & Feedback
Requirements Elicitation	23.02.2012	08.03.2012	following exercise session
Analysis	08.03.2012	22.03.2012	following exercise session
System Design	22.03.2012	29.03.2012	following exercise session
Detailed Design	29.03.2012	19.04.2012	following exercise session
Testing	19.04.2012	17.05.2012	following exercise session

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Warnings/Advice

- The deliverables require a substantial amount of work.
  - **Share the workload!**
  - **Work as a team!**
- Don't start working on the deliverable the day before the deadline.
- Don't make assumptions! If a task is not clear or ambiguous, **ask your client (assistant).**
- Knowledge acquired during the project is **essential for passing the exam**.

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Expectations

- The deliverables are checked for **completeness**, **consistency**, **quality**, **correctness**, **scope**, to name a few.

- You need to communicate with **your** client (assistant) to **find out what s/he wants**.

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Groups

- Three or four people per group
- Group members need to be in the same exercise session.
- Once you have formed your group:
  1. Decide on a **unique group name**.
  2. Send an **email to your assistant** with the name of the group, the list of group members and their email addresses.
- Use the header "[SAE-<group name>] <subject>" when emailing your assistant, for example:
  – [SAE-SuperGroup] Help us please!

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Next week

- **Topic: Requirements Elicitation**

- **Homework:**

  - Read the **slides on requirements elicitation**.

  - Read the first **project assignment**.

  - Start thinking about **scenarios**, **use-cases** and **non-functional requirements**.

  - Think about what you need to discuss with your client.

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Any questions?

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