MIDTERM EXAM PREPARATION

CSE 416-S03 - Software Engineering

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Format

You must be video enabled for your session

- 15-minute oral exam
- Conducted through a Zoom session
- Schedule on class Web site
- Multiple exam blocks during 10/21-10/28 (no formal class on 10/24 and 10/26)
- Students in an exam block will be sent a Zoom invite in advance
- Waiting room enabled
- Individual students admitted from waiting room

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Exam Categories

- Teamwork
- Requirements analysis
- Project planning
- System/test design

Be prepared for multiple questions in each category

Most questions are intended to test your thinking and understanding of related topics, not your memory

25 points for each exam category

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Suggestions

- Keep your answers concise and to the point
- Do not waste time (e.g., facts unrelated to the question)
- Practice verbal recall with your teammates
- Be prepared for questions concerning the part of the project you have worked on

Any given answer should take no more than 20-30 seconds

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What to Bring (Electronically) to the Exam

- Your current server class diagram
- Your team's list of use cases (from draft of master list)
- Your team's interface document

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Teamwork

- Determine if you are working effectively as a team
- For example,
  - Who are your teammates?
  - How do you collaborate?
  - What are the responsibilities of each team member?
  - How is a typical team meeting structured?
  - How do you coordinate with team members who are producing data you need for your part of the project?

  Be prepared to give examples

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Project Planning

- Determine if you have planned the project work effectively
- For example,
  - How do you collaborate?
  - What are the responsibilities of each team member?
  - What tool do you use to manage the project tasks?
  - How far has your team progressed in designing the xxxx part of your system?
  - What is the most important part of the project to work on in the next week?

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Requirements Analysis

- Be prepared to show your understanding of any of the use cases in your list
- Be prepared to answer questions about your use case list
- I might pick a use case title and ask you to explain it
- Be prepared for follow-up questions to test your in-depth understanding of a topic.
- For example,
  - Explain the impact of this requirement on your design.
  - Identify the possible problems you might encounter in implementing this requirement.
  - Explain how you would test to see if this requirement is satisfied.

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System / Test Design

- Bring your current server class diagram
- Be prepared to answer questions about your diagrams
- Be prepared to discuss alternate design choices
- Be prepared to discuss how design choices relate to requirements
- For example,
  - Is xxxx the best data type for that attribute?
  - Which requirements relate to this aspect of your design?

Your diagrams will not be graded, but your understanding of them will

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Grading

- Your session will be recorded
- Most grading occurs during the exam, but adjustments made after the TAs review the video
- Scores include an overall score and score for each of the exam categories
- Grades posted after all exams have been completed

Time Slot			Scoring				Mid-term		Team
Day	Slot #	Position #	Teamwork	Req. Anal.	Proj Plan.	System/Test Design	Score	ABET Score	Name

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Final Advice

- Relax
- The exam should be fun and resemble a technical discussion you are having with colleagues in industry

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