Session 8

Mid-Term Exam
What to Expect

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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 week of 3/22 (no formal class during that week)
- Students in an exam block will be sent a Zoom invite in advance
- Waiting room enabled
- Individual students admitted from waiting room

3 — 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

4 — How to Prepare

- 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

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

5 What to Bring to the Exam

- Your current class diagram
- One detailed text use case

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6 Teamwork / Project Planning

- Determine if you are working effectively as a team
- Determine if you have planned the project work effectively
- For example
  - Who are your teammates?
  - How do you collaborate?
  - What are the responsibilities of each team member?
  - What is the most important part of the project to work on in the next week?

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Requirements Analysis

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- Be prepared to show your understanding of any of the use cases in the master use case list as of 3/16
- Be prepared to answer questions about the text use case you bring to the exam
- I will most likely read you 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.

System / Test Design

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- Bring your current class diagram
- Be prepared to answer questions about your class diagram
- Be prepared to discuss alternate design choices
- Be prepared to discuss how class choices relate to requirements

Your class diagram will not be graded, but your understanding of it will

- For example
  - Is xxxx the best data type for that attribute

9 Grading

- Your session will be recorded
- Most grading during the exam, but adjustments made after reviewing the video
- 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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10 Final Advice

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

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