

# CS2212

## Introduction to Software Engineering

# Announcements



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- **Team have been created** and team lists have been posted to OWL.
- You should work on scheduling a meeting with your team's assigned TA this week.
  - If your TA has not contacted your team yet, you can find their e-mail on OWL on the TA Consulting tab.
  - During these meetings you will discuss what your group has completed last week, what they will be working on this week, and discuss any issues may be having with the project.
  - Up to your team to take and record minutes.

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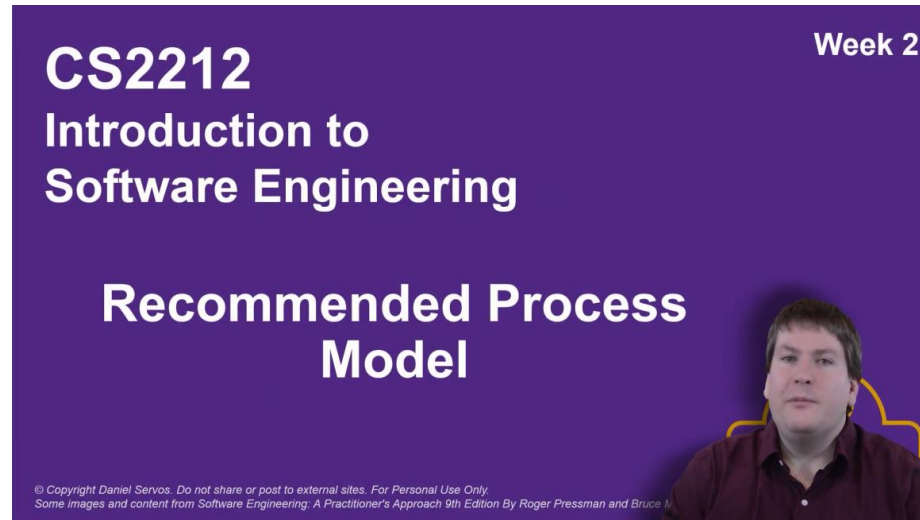
- Should also be meeting with your team independently of the TA to work on the project (1 hour a week recommended).
  - You should also take minutes of these team only meetings.
- Meeting minutes should be recorded on your team's Confluence space.
  - Your team should now have access to Confluence.
  - See the Team Project -> Project Software tab on OWL for details.
  - We will be looking at Confluence more next week in-class but feel free to explore it now.

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- Atlassian software now available
  - Includes Confluence, Jira, and Bitbucket (a Git repo).
  - All web based (access through your browser).
  - Instructions on Team Project -> Project Software tab on OWL.
  - We will cover these in-class as they come up in the project but feel free to try them out now. There are tutorials linked to on the Project Software page.
  - For the first project component (requirements documentation) you will only need Confluence and a diagram editor that supports UML.

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- One video to watch this week (found on Week 3 OWL tab):



- Only 34 minutes long.

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- Two readings for this week:
  - **Chapter 4:** Recommended Process Model
  - **Chapter 7:** Understanding Requirements
  
- Also recommend reading Chapter 8 this week, will be covered next week but it's good to stay ahead.

# Project

- **Requirements Documentation** is due February 3rd by 11:55pm.
- Initial draft of **Team Contract** must be on Confluence by February 3rd by 11:55pm.
  - Should make a page for the Team Contract on Confluence.
  - See project management component for details.

## Some things to consider this week with your team:

- What GUI framework/library to use?
  - Can use Swing or JavaFx. Swing is recommended as it is easier to use.
- How will you deal with the maps?
  - Covert them to images or leave as PDFs and use a special library to render (e.g. PDFBox or ICEpdf)? Converting them to images is recommended (don't need external library).
  - Remove accessibility layer or keep it always on?
- How will you store your data?
  - Just locally in a file is fine, but what file format? (e.g. JSON, XML, CSV, etc.)?
  - Can use a Database if you like, but your program must work without an internet connection (e.g. could use a local SQLite database). This is not recommended.



## Some things to consider this week with your team:

- What development environment will you use?
  - Should be the same for the whole team.
  - Netbeans is recommended as instructions and examples will be given for Netbeans.
  - You can use another IDE, but it will be up to you to learn it and get it working and TAs will be less able to provide help.
  - Remember that the final product must run on Windows.
  - Some tools you will have to use in this project: JavaDoc, JUnit 5, Git, and Swing OR JavaFx

**Some IDEs have GUI editors built in that allow you to create your GUI graphically. You are free to use them if they produce Swing or JavaFX code. This should be a consideration when choosing your IDE and GUI lib.**

