

## **Software Project Management – IS212**

# **Introduction**

# Teaching Team – Co-Instructors



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# Teaching Team – TAs



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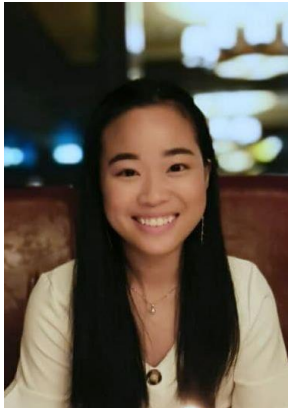
# Teaching Team – TAs



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# Teaching Team – TAs



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# Teaching Team – Faculty



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# Learning Objectives

- **SPM in a nutshell:** *hands-on software project management techniques*
- Learning objectives:
  - Experience how to **schedule and conduct** software development projects through practical experience
  - Develop and verify an effective **development and testing strategy** for different applications
  - Experience **working with team members** to solve a common problem
  - Experience collaborating with **Product Owners** to deliver Value
  - **Manage complexity** and **uncertainty** in projects using **Agile** software development methods

*traditional vs. agile methods*

*minimising “WIP”*

*pair programming*

*user stories*

# Core Competencies

*Git*

*estimation &  
planning poker*

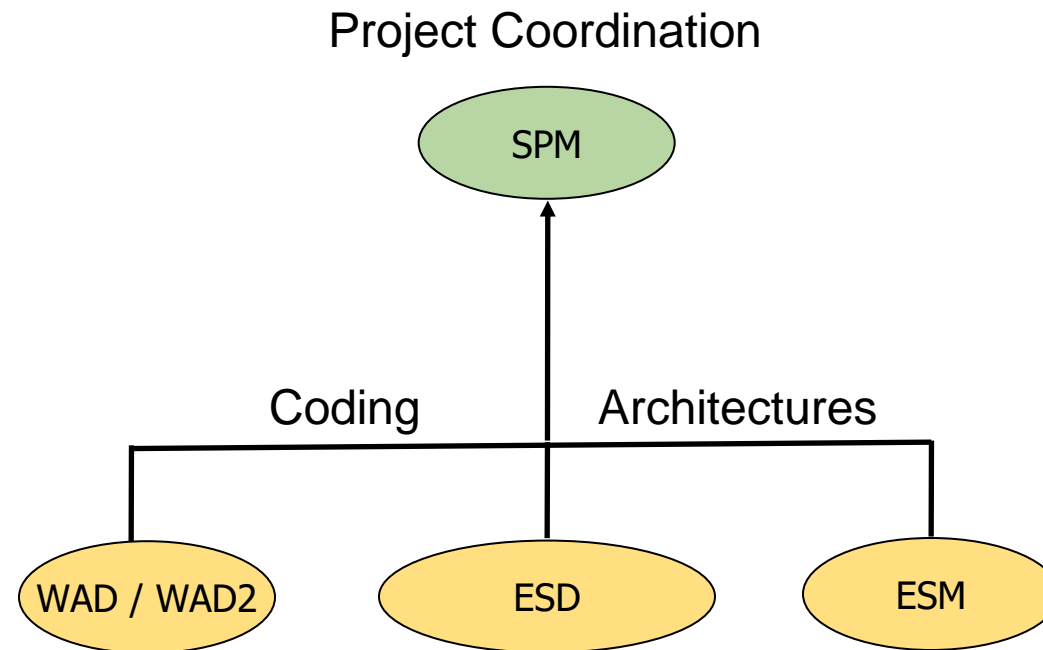
*test-driven development*

*continuous integration*

*code smells & refactoring*



# Big Picture



# Schedule

Week	Topic	Assessments
1	Introduction to Project Management	
2	Software Development Methods	<i>Form groups</i>
3	User Stories I; Pair Programming	Project released; CA – user stories
4	User Stories II; Design	CA – design
5	Git; Continuous Integration	
6	Test-Driven Development	CA – TDD / Tests
7	Code Refactoring Techniques	CA – refactoring

# Schedule

Week	Topic	Assessments
9	Agile Estimation	CA – estimation
10	Sprints; Collaborating with Product Owners	
11	Project Work & Mock Sprints	Project conduct
12	Project Work & Mock Sprints	Project conduct; CA – project code
13	Project Presentations & Sprint Reviews	Project report due
14-15	<i>Study Weeks</i>	
16	Exam (30%; 2nd Dec 2021, 8:30-10:30)	Exam

# Assessments – Project

- Significant group project
  - Form own teams (5-6 students)
  - Customer's requirements to be released in **Week 3** (*not an open project*)
- Group component (35%)
  - Design, CI/Github, project deliverables, team conduct
  - A peer review will be conducted (but **don't** leave team issues till the end)
- Individual CA components (25%)
  - Several linked to the project, e.g. user stories
  - **Deadlines:** two days after relevant class (23:59)
  - **Penalty:** 50% if submitted 3–5 days after relevant class (23:59); 100% if any later (no make-ups)

# Assessments – Exam & Class Part

- Final exam (30%)
  - Closed book
  - Covers all materials and workshops
  - We will provide a mock paper for practice
- Class participation (10%)
  - Attendance (compulsory in all weeks)
  - Active participation during classes and workshops
  - Supporting peer learning (e.g. Piazza)
  - Please remember your name tents!

# “I” grades

- No make-ups are possible for the project and individual CA components
- If you are unable to take the final exam for a valid, documented reason, you can apply for an “I” grade
- This is subject to the examination policies / approval of SCIS

# Support – Piazza

- All nine sections will be on the Piazza peer learning platform
- Fastest way to get support
- Learn by answering questions and reading discussions
- **PS:** the “customer” will be reachable via Piazza 😊



<http://piazza.com/smu.edu.sg/fall2021/is212>

# Telegram Chat Group Links

G7 - <https://t.me/joinchat/l9vVEeourAAzYjBI>

G8 - [https://t.me/joinchat/f6q\\_s0yLO-o2ZWM1](https://t.me/joinchat/f6q_s0yLO-o2ZWM1)

G9 - [https://t.me/joinchat/jG-\\_3-v2G2ImOWM9](https://t.me/joinchat/jG-_3-v2G2ImOWM9)