SWINBURNE UNIVERSITY OF TECHNOLOGY

SWE30010
Development Project 2: Design, Planning and Management

Lecture 4

Getting Sprint Backlog

Sprint Backlog – What is it?

- A list of **items*** that are required to be done during the sprint
- **Item** = Item + its tasks (breakdown tasks) + estimated time for each task
- Determined by the Scrum team during the Sprint Planning Meeting

Items in Sprint Backlog – Where from?

- From those items in the Product Backlog
- Team members to
  - Think about what to do with the item
  - Ask questions about the item so as to collect enough information to develop the item
  - Determine whether the item can be completed in the next sprint
  - Break down the item into smaller tasks
  - (for each task) Estimate the time required (efforts) to complete the task
  - If “total efforts required > a sprint”, break the item down to smaller pieces so that it can be completed in one sprint
  - If “total efforts required < a sprint”, fit “several items” into one sprint

Items in Sprint Backlog – How to?

- Team members to
  - Think about what to do with the item
  - Ask questions about the item so as to collect enough information to develop the item
  - Determine whether the item can be completed in the next sprint
  - Break down the item into smaller tasks
  - (for each task) Estimate the time required (efforts) to complete the task
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Example: Peer Review System – Sprint Backlog

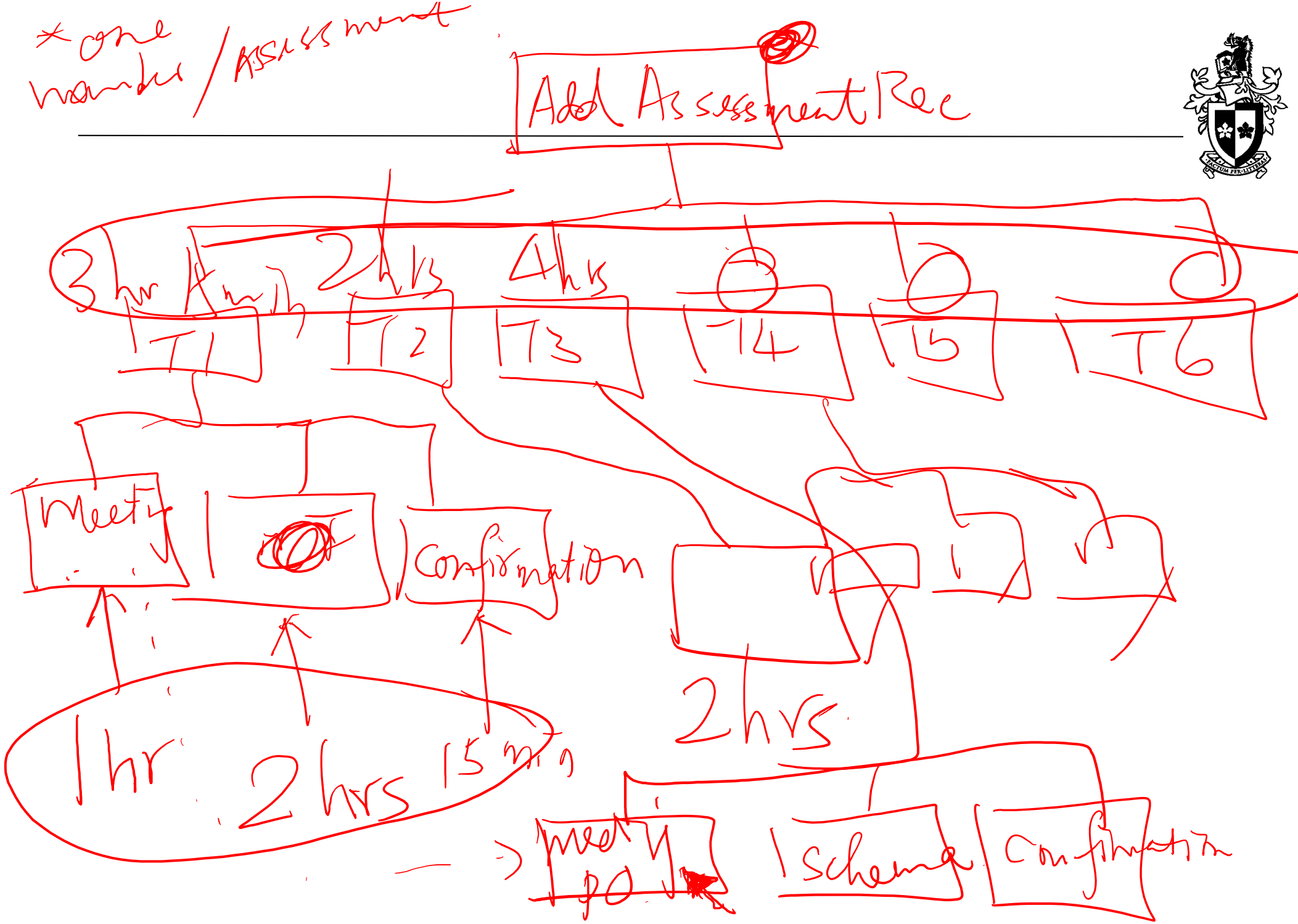
- Item 1: Allow a student to submit their peer review assessments about their team members
  - ☐ Peer Review Form (?)
  - ☐ Online submission (via Web site?) / Submission via mobile apps (?)
  - ☐ One member per submission (?)
  - ☐ All team members in one submission (?)
  - ☐ Any other questions (?)

Example: Peer Review System – Sprint Backlog

- Item 1: Task breakdown via WBS
  - T1: Design the form
  - T2: Program the form (Web ? / GUI ?)
  - T3: Design database table / schema for the peer review submission
  - T4: Program the module for submission (extract info and save to database)
  - T5: Design test cases for submission
  - T6: Test the correctness of the submission module
  - Any other tasks (?)
  - Any dependencies (?)

Example: Peer Review System – Sprint Backlog Item 1 + Tasks

Task Id	Desc	Depends on	Duration (hrs)
T1	Design the form		1
T2	Program the form	T1	1
T3	Design database table / schema for the peer review submission	T1	1
T4	Program the module for submission (extract info and save to database)	T2, T3	3
T5	Design test case for submission		1
T6	Test the correctness of the submission module	T4, T5	1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