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**ENGN6250 /​ COMP6250 |** Professional Practice 1

Week 4 **Tutorial**

Team Skills

**The Marshmallow Challenge**

Form teams of four members. Your team should follow either an agile or traditional (waterfall) approach to build the tallest freestanding structure in 18 minutes.

If you are an agile team, observe a traditional team build their structure (and visa versa). Based on your reading and your observation compare the features of agile and waterfall teams in action.

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| --- | --- | --- |
| **Feature** | **Agile teams** | **Waterfall teams** |
| *Similarities* | Brainstorm together  Plan & design  Comply with the client’s requirements and do the same project: highest tree  Divede their jobs | |
| *Differences* | Change design during the process(flexible)  Don’t get details at the beginning  Design iteratively  Save cost  Adaptability, immediate feedback Fast delivery, teamwork, test driven development  High time commitment, neglect documents, procrastination, each member needs to be skilled | Plan ahead before doing  Spend less on designing  More cost and risk  *Clear deadline, well document, clear communication*  *Changes costly. Slow delivery time, gathering requirement too early too risk, tendency to neglect testing* |
|  |  |  |
| *Where to use* |  |  |
| *When to use* | Small group: 4 people(In the tutrorial)  Uncertine world, need for speed id don’t have info  Enforcing strict requirement and  Need, cost, time, and tested result | Bigger group: 5 people  Clients know their things |
| *Team member roles* | Cooperate with each others |  |

**Discuss (in project groups)**

1. Which type of team process will your project team use? Explain.
2. For your project team and Assignment 5, decide team roles and responsibilities, exchange contact details, schedule (SCRUM or Waterfall) meeting dates leading up to the due date in Week 11, and project milestones.