

CP3405 - PRACTICAL 1

Objectives

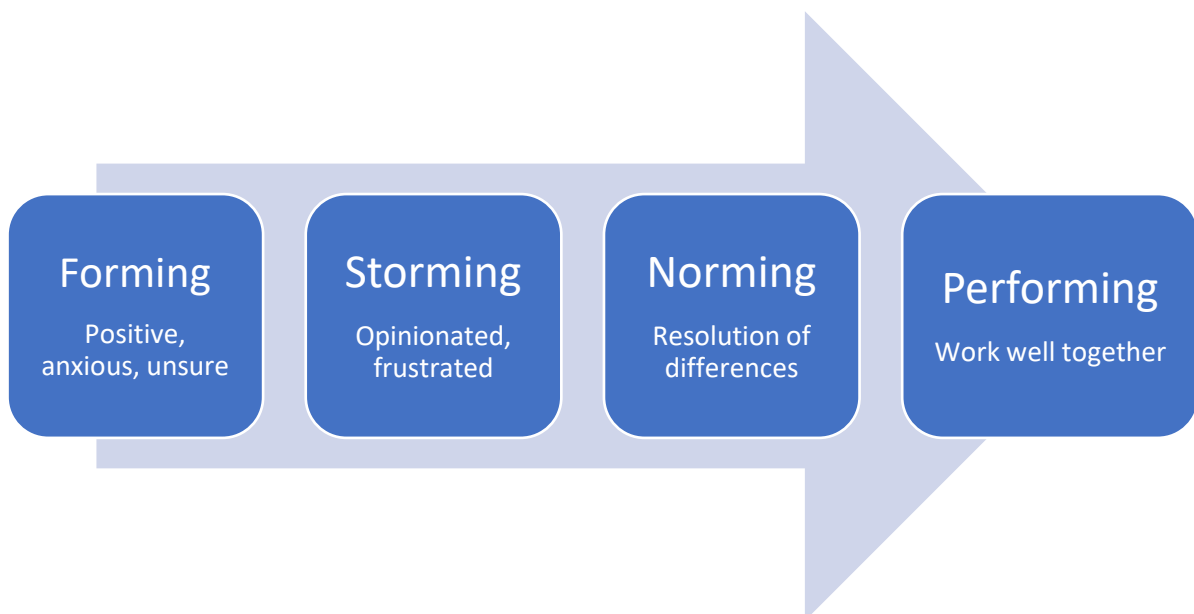
1. Review group forming strategies from a professional perspective – to help you find your CP3405 project teammates
2. Begin working on your reflective journal, by research IT jobs in Australia that use predictive development processes and/or empirical development processes

Marking Rubric

Practical Exercises	3 marks This week's exercises are complete, and the work is outstanding.	2 marks This week's exercises are complete, but the work isn't outstanding.	1 mark This week's exercises were attempted, but not as expected.	0 marks This week's exercises were not attempted.
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Team formation:

In this subject, we encourage you to think professionally about team formation by applying **Tuckman's stages of group development**. He coined the phrase: "Forming, Storming, Norming and Performing". Since **Scrum** does not explicitly define team formation, it's useful to apply Tuckman's model now and during the semester!



For more details about this model refer to: [Forming, Storming, Norming, and Performing - Your 10-Minute Guide to Developing an Effective Team](#)

Since we are about to start forming our project teams let's focus on developing a "team charter". Here is a template you can use now and over the next week or so to define your team charter:
<https://blog.mural.co/team-charter>

Who is on the team? Each team member lists 2 strengths and 2 weaknesses	Strength: Weakness:	Strength: Weakness:	Strength: Weakness:	Strength: Weakness:	Strength: Weakness:
Core values What do you care about? Discuss which shared values can help guide how you approach your work and how you collaborate with others.	Brainstorm: record all of your team's thoughts	Consolidate: choose your team's top values		Refine: turn your notes into concise sentences	
Group norms How will you work? Establish a framework of ideals that you can expect each other to respect and follow.	Brainstorm: record all of your team's thoughts	Consolidate: choose your team's top values		Refine: turn your notes into concise sentences	
Roles What roles are necessary? Determine the types of roles that will keep the team focused and drive productivity.	Brainstorm: record all of your team's thoughts	Consolidate: choose your team's top values		Refine: turn your notes into concise sentences	
Metrics for success: What does success look like to you? Consider how success can be measured beyond a letter grade or score.	Brainstorm: record all of your team's thoughts	Consolidate: choose your team's top values		Refine: turn your notes into concise sentences	
Standards of quality: What are your standards for high quality work? Think about the level of quality you deliver and expect from your teammates.	Brainstorm: record all of your team's thoughts	Consolidate: choose your team's top values		Refine: turn your notes into concise sentences	

Note: the finalised team charter is the set of refined sentences for each of the 6 sections above.

Task 1 – Speed dating for team formation – 45mins

1. Everyone stands up. Make groups of 4-5 students who live in the same suburb. Any incomplete groups are brought together by the class supervisor
2. Half of the students sit down. The remaining students circulate amongst these seated groups. The class supervisor allows each circulating student to spend 3mins with each seated group.
3. The seated group asked the circulating student a random selection of interview questions (these are based around the team charter questions above):
 - What are your strengths and weaknesses?
 - What skills can you bring to the team?
 - How do you approach project work and teamwork?
 - What mark are you seeking for this subject?

- What time do you have available outside class time to work on this subject?
 - Are you the kind of person who works through the semester steadily or seeks to complete everything right before due dates?
 - Are you comfortable leading or have you led a team like this before?
 - What skills do you believe are necessary for this project?
 - What role do you see yourself doing in this project team?
 - What does success look like to you? How do you measure it?
 - What level of quality do you deliver and expect from your teammates?
4. Every student makes a list of “best-fitting” students they might work well alongside based on the interviews
 5. The class supervisor allows best-fitting students to form proto-project teams of 4-5 students only. Incomplete teams can be joined together.

After class, these proto-project teams should continue the process of team formation by utilising the team charter template. **By the end of Week 3 all project teams must be finalised and have a team charter.**

Note: this version of “speed dating” was based on:

<https://ro.ecu.edu.au/cgi/viewcontent.cgi?article=1075&context=eculture>

Reflective thinking and Gibb’s model:

From this week onwards, we ask you to write ~100 words that reflect on a single specific experience you had during each week. The experience can come from your practical work, project work or design sprint. At the end of Week 12 you collate your selected experiential reflections into a single a ~1200-word reflective report.

Reflective thinking is the process of making judgments from different viewpoints about what happened during an experience. From a professional point of view, reflective thinking is very important. A good reflection describes implications and insights about learning aspirations and self-development.

In this subject, we use **Gibb’s reflective cycle** - it encourages you to think systematically about an experience and rationalise and understand your feelings. Here are the 6 stages of the cycle and what question you ask yourself during stage:



For more details about the model look here: <https://www.ed.ac.uk/reflection/reflectors-toolkit/reflecting-on-experience/gibbs-reflective-cycle>

Task 2 – Start reflecting on development processes – 45mins

This week, we ask each student to start reflecting by looking at the differences between predictive development (aka the waterfall approach) and empirical development (such as Agile, SCRUM, Lean, Lean UX).

Suggestions:

1. Review Week 1 lecture notes and Chap 1 of the textbook “Scrum: Novice to Ninja”
2. Explore seek.com.au looking for current IT jobs involving predictive and empirical processes