COMP3900/9900
2023, Term 1
Proposal Assessment

❖ **Project Proposal** (due **Monday 6 March 2023 Week 4 @ 10.00am**) (worth **10%**): Students will choose a project from a list of possible projects with a given **brief** and **generic** description and scope. They will produce a proposal that describes: the **background** for their project, at least **eight (8) specific and distinct objectives/requirements/functionalities** (including, at least, **two (2) functional novelties** with respect to existing related systems), the **product backlog** to be used for satisfying **all project objectives**, an **initial sprint backlog**, **user storyboards**, and the **system architecture**. The requirements and criteria for the proposal are described below.

❖ Please make sure you also look at the Moodle Proposal assessment submission page for submission instructions and follow those submission instructions.

❖ Students may request to undertake a **custom/own** project only if **eight (8) distinct project objectives of similar technical depth and scope to existing projects** (including, at least, **two (2) functional novelties** with respect to existing related systems) are clearly defined with the request. A **clear project description** and, at least, **two related systems** should also be included with the request. Such requests are subject to mentor approval and amendment and are to be sought by **end of Week 1** by filling in and agreeing to the terms on the custom project form that can be found in Moodle under **Projects** section.

❖ The proposal should be self-contained, (i.e., ***no content*** should be outside of the report and simply linked to), and follow the following ***formatting requirements***:

a) Include a **title page** containing **course code**, **course title**, **project title**, a nominated **group name**, each **member's name**, **email**, **student ID**, **role**, and proposal **submission date**.

b) Be **at least 10 pages long** (at most 12pt font with reasonable margins and spacing), not including the title page, the table of contents, and references page, and be in **PDF** format.

c) Include a **table of contents**, and **page numbers**.

d) Include **full references** and **in-text citations**. Use either APA referencing style (https://student.unsw.edu.au/apa) or Harvard referencing style (https://student.unsw.edu.au/harvard-referencing).

❖ The proposal should include:

a) Background (10%)

- Clearly identifies the problem(s) being solved.
- Identifies at least two existing work or systems in the same problem domain, and their drawbacks.

b) **User stories and Sprints (50%):**

- Product backlog of correctly structured user stories, describing the functionality to be delivered, with **screenshots** showing all these user stories defined in **Jira**. The entire text of each user story should be readable inside the report.
- Defines the **start and end dates** for all **sprints** envisaged during the term.
  - Note: ensure that the sprints you define allow you to undertake a **progressive demo** in each of **Weeks 5 and 8**; as well as a retrospective before each of the labs in **Weeks 7 and 9**.
- Identifies user stories in scope for the **first sprint** with **screenshots** showing all user stories allocated to the first sprint in Jira. The entire text of each user story should be readable inside the report.
- Clearly communicates how all project **objectives** are satisfied by **user stories** that are defined.
- Describes how some of the defined user stories provide **novel** functionality compared to existing systems.

c) Technical depth, scale, report formatting (40%)

- Report conforms to the formatting requirements specified above; and is easy to read.
- Interface and flow diagrams (Storyboards for user stories)
  - Storyboards should be developed to illustrate the system functionality, and how users interact with the system. One storyboard can cover multiple user stories. All user stories should be covered by these storyboards.
- System Architecture
  - A clear description showing the presentation, business and data layers in the system, and what each layer contains.
  - A clear description of the external actors (e.g., user types) and how they interact with the system.
  - A clear description of the technologies/languages planned for use (e.g., MySQL, SQL Server, MSNG, .NET, Python, Java, etc), including all third party functionality planned to be used (e.g., clouds/services/APIs/libraries/code).

❖ Proposal is marked out of 10, contributes 10% towards the final mark for the project, and is marked according to the marking criteria below.

Project Proposal Marking Criteria

Category	Max Mark	Team Mark	Comments
Background (10%) **Problem domain, existing work/systems, and their drawbacks**	**1**		
Clearly identifies problem(s) being solved	0.5		
Clear evidence of research as to existing work or systems in the same problem domain and what their drawbacks are.	0.5		
User stories and sprints (50%)	**5**		
Product backlog of correctly structured user stories, describing the functionality to be delivered, with screenshots showing all these user stories defined in Jira	1.5		
Defines the start and end dates for all sprints envisaged during the length of term	0.5		
Identifies user stories in scope for the first sprint with screenshots showing all user stories allocated to the first sprint in Jira	1		
Clearly communicates how all project objectives are satisfied by user stories that are defined	1		
Describes how some of the defined user stories to be implemented provide novel functionality compared to existing systems	1		
Technical depth, scale, report formatting / readability (40%)	**4**		
Report conforms to the formatting requirements specified for the Proposal assessment item and is easy to read	0.5		
Clearly includes a detailed software architecture diagram	1.5		
Interface and flow diagrams provided	2		
Total Mark (out of 10)	**10**		