

COMP3900/9900

2023, Term 3

Project Proposal Assessment

❖ **Project Proposal** (due **Week 3 Friday 29 September 2023 @ 9.00pm**) (worth **10%**):

Teams will choose a project from a list of possible projects for this term (see Moodle for details about these projects). Teams will produce a proposal that describes: the **background** for their project, the **objectives/functionalities**, the **product backlog** to be used for satisfying **all project objectives/functionalities**, at least the **first sprint backlog**, **storyboards**, and the **system architecture diagram**. The requirements and criteria for the proposal are described below.

❖ Make sure you also look at the **Moodle** Proposal assessment **submission link** for submission instructions. Follow those submission instructions.

❖ The proposal report 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 number and title**, **team name**, each **member's name**, **email**, **student ID**, **role**, and project proposal **submission date**.
- b) Be **at least 10 pages long** using **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 related work or systems** in the same problem domain, and their **drawbacks**. If this does not apply to your specific project clearly specify why (it may be that the selected project is totally new).

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 resp. the end of **Weeks 5 and 8**. Hence, **three sprints** will be ideal.
- 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/functionalities** are satisfied by **user stories** that are defined.
- Describes how some of the defined user stories provide **novel** functionality compared to existing systems. If this does not apply to your specific project clearly specify why (it may be that the selected project is totally new).

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

- **Interface and Flow Diagrams or Storyboards** for user stories
 - Storyboards should be developed to illustrate the system functionality, and how users interact with the system. One storyboard may cover multiple user stories. All user stories should be covered by these storyboards.

- **System Architecture Diagram**
 - A clear **diagram** showing the **presentation**, **business**, and **data** layers in the system, and a clear description of 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).

- Report conforms to the formatting requirements specified above; and is easy to read.

- ❖ Proposal is **marked out of 10**, contributes **10%** towards the final mark for the course, 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. If not applicable provide reasons.	1		
Technical depth, scale, report formatting / readability (40%)	4		
Detailed software architecture diagram	1.5		
Interface and flow diagrams (Storyboards)	2		
Report conforms to the formatting requirements specified for the Proposal in this Project Deliverables and Assessment document; and is easy to read	0.5		
Total Mark (out of 10)	10	0	