

# DEAKIN UNIVERSITY

## PROFESSIONAL PRACTICE IN IT

### ONTRACK SUBMISSION

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## Task 3.1GP Sprint Planning with Trello

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Outcome	Weight
Engage with processes, tools, and practices associated with agile project management across all phases of the dev-ops lifecycle, and use software tools to contribute to real-world projects at each stage in an effective manner	◆◆◆◆◆
Observe and reflect upon the impact of different leadership styles, organisational structures, communication practices, and approaches to conflict management for effective professional relationships within IT companies and projects.	◆◆◆◆◆
Evaluate, review, and synthesise real-world scenarios to inform discussion and practice of IT, and relate to professional practice, codes of ethics, and principles of intellectual property and its protection.	◆◆◆◆◆
Reflect upon professional practice to develop career plans and apply for work opportunities, as ways of engaging in the continuous professional development of discipline-specific and transferable skills.	◆◆◆◆◆

done

July 25, 2024



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## Task 3.1GP - Sprint Planning with Trello

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### Sprint Planning in Trello

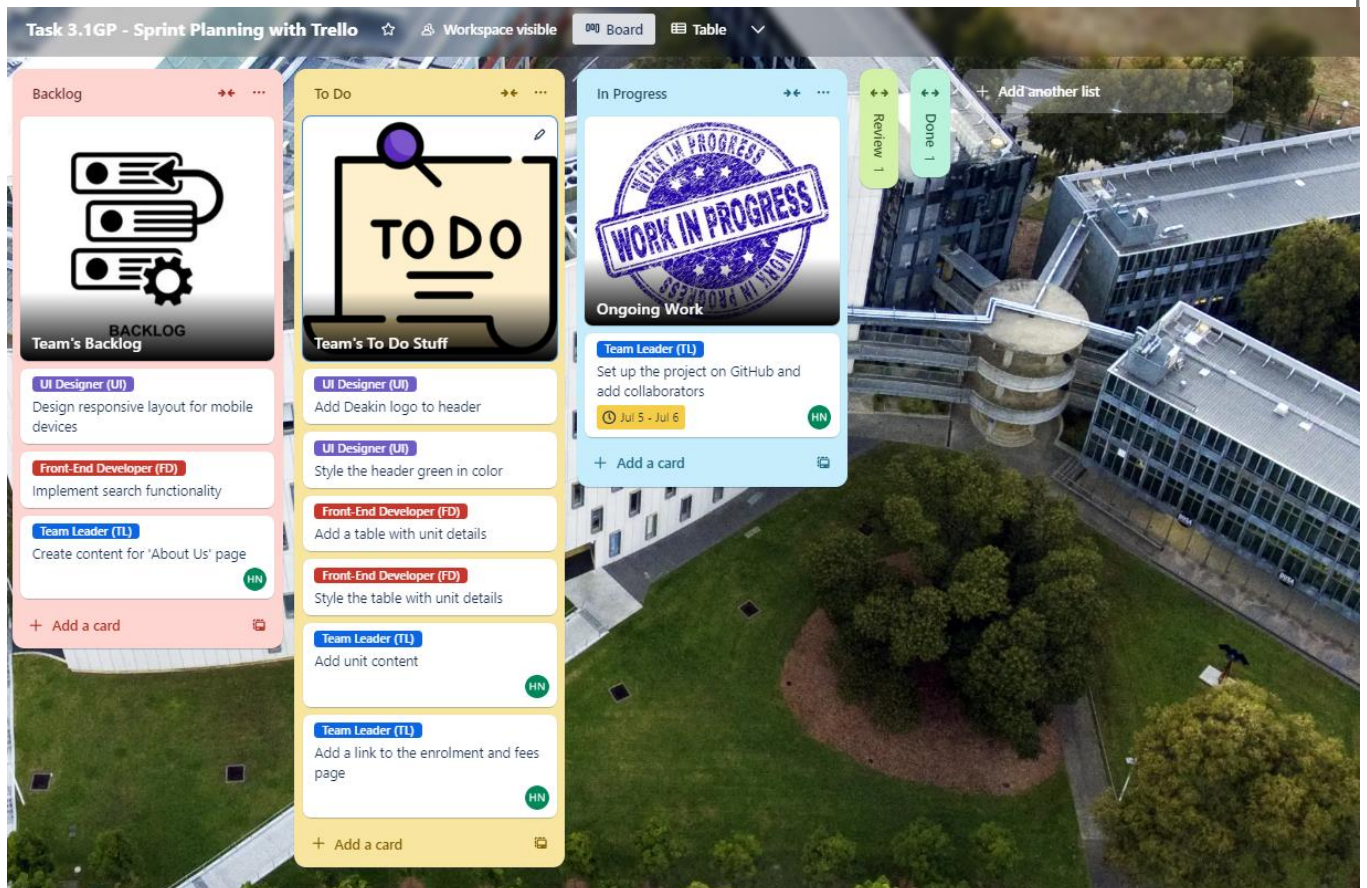
#### Initial Board Setup:

Our team set up the Trello board with five columns: Backlog, To Do, In Progress, Review, and Done.

Link:

<https://trello.com/invite/b/Mwuq9tNe/ATTI5a9a3661205be88d97d6715ad340987277B3667C/task-31gp-sprint-planning-with-trello>

#### Start of Sprint 1:

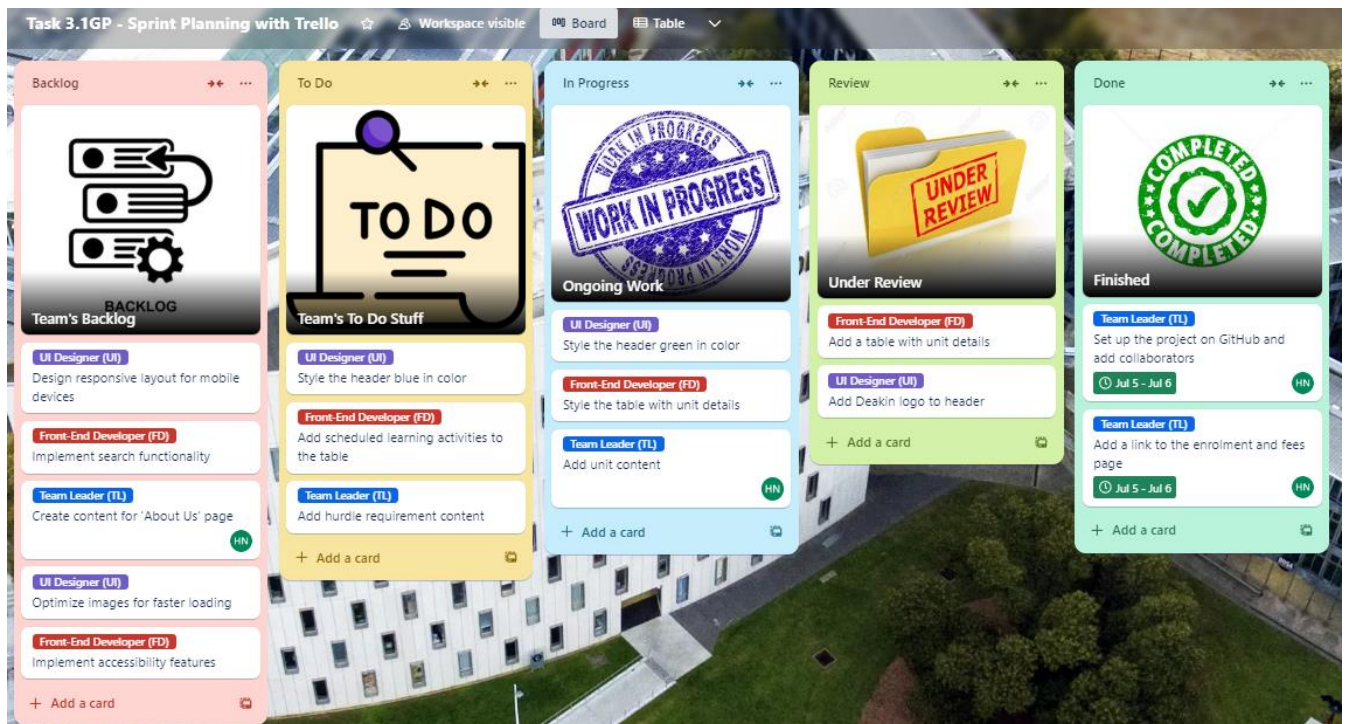


Review and Done columns were empty at this stage.

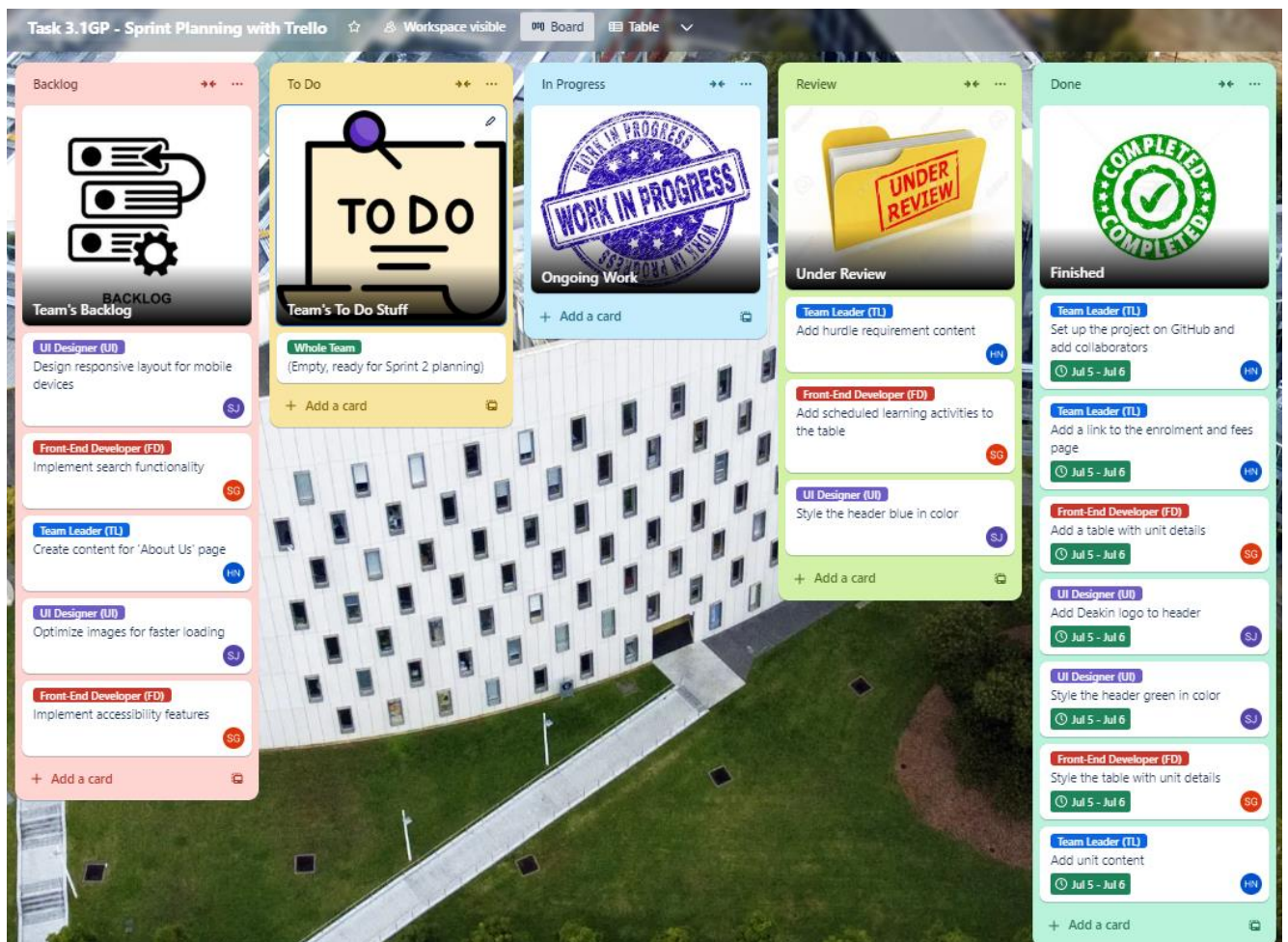
#### Mid-Sprint 1:

As we progressed, we moved tasks across columns and added new ones based on our 4.1GP task:





## End of Sprint 1:



## Task Distribution and Progress Tracking:

We ensured an even distribution of tasks among team members, balancing workload and complexity. The additional 'Review' column helped us maintain quality control before moving items to 'Done'. This enhanced Trello board structure allowed for better visualization of our workflow, bottlenecks, and overall sprint progress.

The inclusion of new tasks related to responsive design, search functionality, and accessibility demonstrates our commitment to creating a comprehensive and user-friendly website. These elements align well with the project description from the 3.1GP task, showing our proactive approach to meeting all project requirements.

### *User Stories:*

1. As a Team Leader, I want to set up a well-structured unit page with comprehensive content, so that students can easily access all necessary information about the unit.
2. As a UI Designer, I want to create a visually appealing and consistent header design, so that the unit page aligns with Deakin University's brand and improves user experience.
3. As a Front-end Developer, I want to implement a clear and organized table structure for unit details, so that students can quickly find specific information about the unit.

### *Features extracted from user stories:*

**User Story 1 (Team Leader):** a. Set up project on GitHub and add collaborators b. Add comprehensive unit content c. Add a link to the enrolment and fees page d. Add hurdle requirement content

**User Story 2 (UI Designer):** a. Add Deakin logo to header b. Style the header with appropriate colours (green, then blue)

**User Story 3 (Front-end Developer):** a. Add a table with unit details b. Style the table with unit details c. Add scheduled learning activities to the table

### *Story Points:*

We'll use the same Fibonacci-like sequence (1, 2, 3, 5, 8) for our story points as described earlier.

### *Feature Story Points Assignment:*

1. ~TL: Set up the project on GitHub and add collaborators (3 points)
2. ~UI: Add Deakin logo to header (2 points)
3. ~UI: Style the header green in colour (1 point)

4. ~FD: Add a table with unit details (3 points)
5. ~FD: Style the table with unit details (2 points)
6. ~TL: Add unit content (3 points)
7. ~TL: Add a link to the enrolment and fees page (1 point)
8. ~UI: Style the header blue in colour (1 point)
9. ~FD: Add scheduled learning activities to the table (2 points)
10. ~TL: Add hurdle requirement content (2 points)

#### *Distribution of Story Points:*

- Team Leader (~TL):  $3 + 3 + 1 + 2 = 9$  points
- UI Designer (~UI):  $2 + 1 + 1 = 4$  points
- Front-end Developer (~FD):  $3 + 2 + 2 = 7$  points

#### *Discussion on Story Point Assignment:*

We assigned story points based on the estimated complexity and time required for each task, considering the specific roles and responsibilities of each team member. For example, the Team Leader's task of setting up the project on GitHub (3 points) is more complex than the UI Designer's task of styling the header (1 point).

The difference between a 2-point and a 4-point feature is significant. A 2-point feature, like adding the Deakin logo to the header, is relatively straightforward and can be completed in less than half a day. A 4-point feature (which we don't have in this sprint, but would fall between our 3 and 5 point tasks) would be more complex, possibly involving multiple components or requiring more extensive testing.

To balance the distribution of story points, we've tried to assign a mix of higher and lower point tasks to each team member based on their roles. The slight imbalance (9, 4, 7) is due to the nature of the tasks in this sprint and the different responsibilities of each role. We aim to balance this out over multiple sprints by adjusting task assignments in future sprints, possibly by assigning more complex UI tasks or having the UI Designer assist with some content-related tasks in future sprints

## 2 - Sprint 1 retrospective presentation:

YouTube link: [https://youtu.be/WAk2FYUz\\_Mw](https://youtu.be/WAk2FYUz_Mw)

### 3 - Teamwork Reflection

#### **What:**

Our team, consisting of Hassan Noonari (Team Leader), Saksham Jhamb (UI Designer), and Sajid Goni (Front-end Developer), collaborated effectively on the Deakin University Website Redesign Project. Each member fulfilled their roles and responsibilities diligently, contributing to the smooth progress of our sprint. We communicated primarily through MS Teams and used Trello for task management, while GitHub facilitated our version control needs.

The team dynamics were remarkably positive, with open and frequent communication. We held regular stand-up meetings to discuss progress and any potential roadblocks. Our collaborative approach allowed us to address minor challenges promptly, preventing them from escalating into significant issues.

#### **So What:**

The strength of our team lay in our complementary skills and our commitment to the project's success. Hassan's leadership ensured clear direction and timely decision-making. Saksham's eye for design contributed to an aesthetically pleasing interface, while Sajid's technical expertise resulted in robust front-end development.

Our proactive communication strategy proved invaluable. By maintaining constant dialogue, we could anticipate potential problems and address them before they impacted our timeline. This approach minimized conflicts and allowed us to focus on productive work.

The use of Trello for sprint planning and task tracking was particularly effective. It provided transparency in our workflow and helped balance the workload among team members. GitHub's version control system enabled seamless collaboration on code, reducing merge conflicts and improving overall code quality.

One minor challenge we faced was initially underestimating the time required for certain tasks. However, our team's flexibility and willingness to support each other allowed us to quickly adjust and meet our sprint goals without significant setbacks.

#### **Now What:**

Moving forward, we plan to build on our successful collaboration by:

1. Refining our estimation process: We'll allocate more time for planning and break down tasks into smaller, more manageable units to improve accuracy in time estimation.

2. Enhancing knowledge sharing: We'll implement brief knowledge-sharing sessions where team members can learn from each other's expertise, fostering a more versatile team.
3. Expanding our toolset: While our current tools served us well, we'll explore additional project management and collaboration tools that could further streamline our workflow.
4. Maintaining our communication culture: We'll continue our practice of open, frequent communication, as it proved crucial to our success.
5. Seeking feedback: We'll implement regular feedback sessions to continuously improve our teamwork and project outcomes.

This experience has reinforced the importance of clear communication, well-defined roles, and adaptability in team projects. These lessons will be invaluable in future collaborations, where we'll strive to replicate and build upon the positive dynamics we've established. Our team's success in this sprint has set a strong foundation for the remainder of the project and future endeavours.