# Sprint 2 - Development Review

| Participants | TT-Wombat team members |
|---|---|
| Host | @Dongning Li |
| Date | 2 May 2024 |

## 📧 Client Feedback

- List will be displayed by Alphabetical Order
- The user should be able to add multiple keys/item
    - The types of keys with multiple options would look more like 'music/musical' or 'food/foods'
- It would be better if the user could set up rating score
    - 0 – no transcript for this item
    - 1 – transcript for this item is nearly all incorrect
    - 2 – most of the transcript for this item is correct
    - 3 – the transcript for this item is correct
- Login Interface is good, no need to be changed

## ✅ Sprint planning checklist

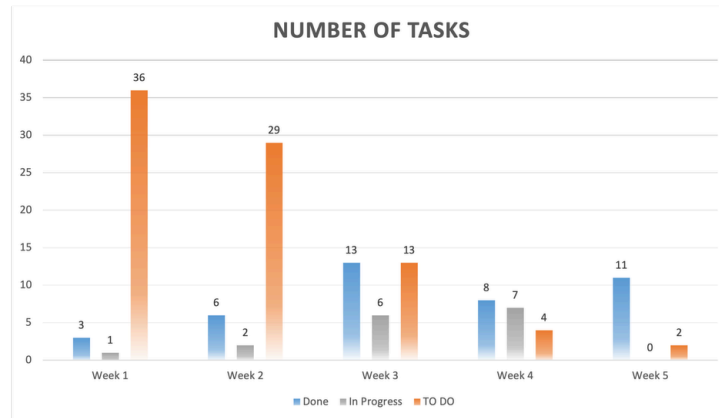| Must have | ☑ Finalize workflow |
|---|---|
| | ☑ Finalize Github merge workflow |
| | ☑ [US001]: Finalize UI |
| | ☑ [US002]: Implement login page |
| | ☑ [US003]: Integrate all functionalities for all test page |
| | ☑ [US004 - US007]: Test list and content: |
| | ☑ [US004 - US007] Implement all test functionalities |
| Nice to have | ☑ [US001.T1]: Create reusable components |
| | ☑ [US002.T7 - T9]: Update login page to UI (2nd version) |
| | ☐ [US004.T4- T5]: Reorder test |
| Not in Scope | • Deployment |

## 📚 Retrospective



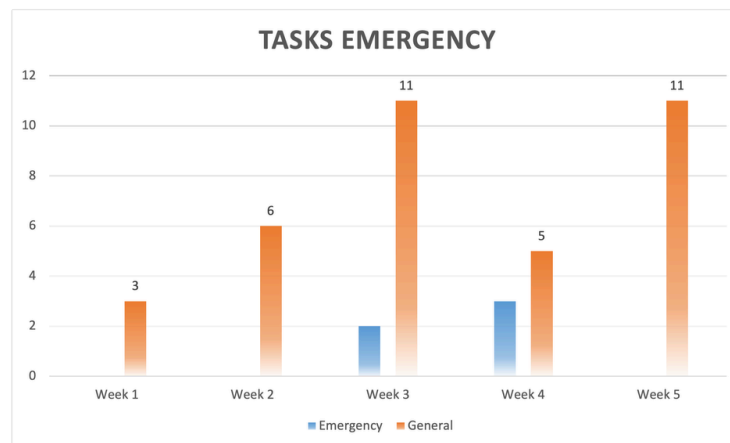| Good | • Code efficient |
|---|---|
| |     ○ We have learned and improved problem-solving skill |
| |     ○ Everyone delivers their tasks on time |
| | • Teammates communicate well |
| | • Documents well constructed |
| | • Quickly practice agile methodology |
| |     ○ Adapt feedback from clients |
| Bad | • The file framework should be better |
| |     ○ Some doc files are duplicated |
| | • More cross-team meeting |
| Improvement | • More and more detailed requirement analysis |
| | • Time management is not accurate enough, some tasks should be planned earlier |
| | • Auto code review could be applied in next sprint |

| | • UI design should be unified and provide more details |
|---|---|

## 📊 Task Tracking

- This chart describes task distribution.
  - 1st week: Generated and regulated workflow, GitHub workflow, finalized new version UI Design,  and other preparations
  - 2nd - 3rd week: Refine UI design and DB structure
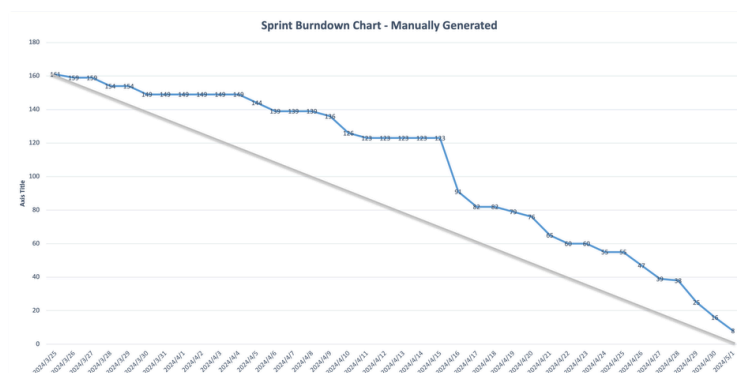  - 3rd - 5th weeks: Code, debug and test



NUMBER OF TASKS

- **General** emergency indicates tasks have been planned



TASKS EMERGENCY
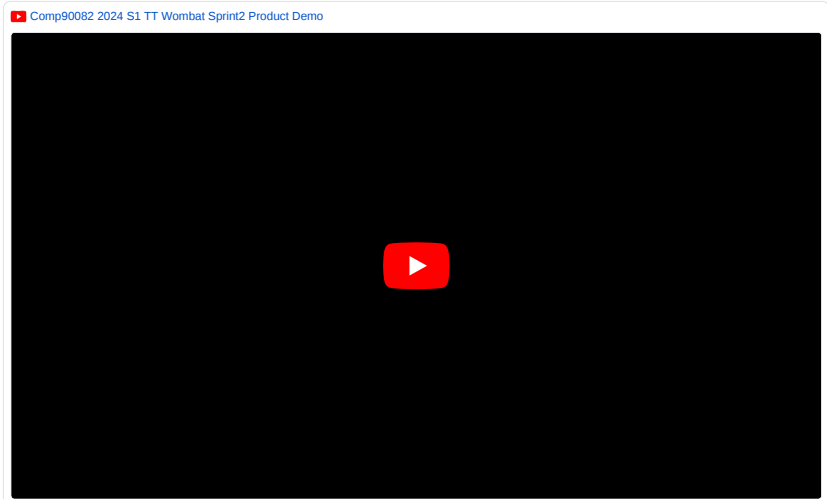
## 📏 Velocity Tracking

- During week 3, we reconstructed the task structure in Jira. Previously, it was organized as "epic-user story/ task". Now it has been updated to "epic - user story/ task - subtask". This change was made because we realized that with six team members, having dozens of tasks was becoming complex, and difficult to establish links among them.
- According to the discussion with the client at the end of week 3, the requirements for Test Key became more precise. Following this, we refined and added more detailed features to our user stories. This resulted in some urgent updates and the postponement of subtasks from original user stories/ tasks.
- To ensure thorough management and monitoring of user stories, we break them down into sub-tasks for team members to tackle both independently and collaboratively. Consequently, the Burndown chart generated manually differs slightly from that of Jira. Another reason the Burndown chart from Jira does NOT fit is that Jira records every action, even action within 1 second, which makes Jira more sensitive and causes fluctuations in the line chart. That might also be the reason why no idea burn rate line generated.



Sprint Burndown Chart - Manually Generated

**Date** – March 25th, 2024 – May 6th, 2024

**Sprint goal** – Set up database schema Prepare test cases Prototype Design in Figma Mock data in DB Implement Login and test pages



Burndown Chart - Jira Generated

## ⚑ Demo video for the current stage



▶ Comp90082 2024 S1 TT Wombat Sprint2 Product Demo

## ✅ Potential Tasks in Sprint 3

| | Task | Required |
|---|---|---|
| 1 | Implement test published functionalities | Required |
| 2 | Implement auto mark functionalities | Required |
| 3 | Implement answer uploaded functionalities | Required |
| 4 | Implement result downloaded functionalities | Required |
| 5 | Implement assign marker functionalities | Required |

## ‼️ Potential Risks for Sprint 3

During the sprint review, we identified certain challenges addressed during this sprint that we perceive could be potential risks for the upcoming sprint.

| Risk | Mitigation |
|---|---|
| The requirement is not clear and needs to be double-checked with the client. | Regularly checked with the client. If necessary, seek help or follow up with the mentor. |
| The size of implementation tasks increases rapidly which makes tracking difficult. | Integrate tasks as user story or tasks, defined by Jira |
| Velocity track is tricky since Jira NOT generate burndown chart with sub-tasks | Consider using epic and user story/ tasks in Jira |