Sprint Report 2

For

CurtinTalentTrack

Version 1.0

Prepared By

SD06

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1. Product Status

The second sprint of the CurtinTalentTrack project focused on completing all remaining core functionalities as outlined in the Software Requirements Specification (SRS). This included the full implementation of the Interview Practice module, major improvements to Event Management, and the complete development of the Admin Dashboard.
At this stage, the application has reached full feature completion and is now functionally stable. The latest codebase has been merged into the main release branch.
Develop-Branch link, this is the branch were each feature was merged to. [Nothing was directly merged to main]

Sprint 02 Release branch

Testing Summary:
Currently, all features have been tested manually by entering various forms of data and verifying each user flow. However, no formal automated test code or scripts have been developed yet. Starting from the next sprint, we will shift our focus entirely to testing. **There are two sprints remaining, and both will be fully dedicated to automated testing using Selenium. These future sprint reports will include detailed test plans, test cases, test code repositories, and execution evidence.**

1.1. Completed Features (100% Functional and Tested Manually):

- 3.5 Interview Practice Feature:

    - Users can view and book mock interview slots.

    - Evaluators approve interview slots and system notifies users.

    - Evaluators provide video feedback and scoring.

    - Evaluators receive submissions, provide feedback, and grade the attempt.

    - Testing: Manual testing has been completed (No extensive test cases yet will do that later). Automated testing with Selenium will be implemented in future sprints.

- 3.9 Admin Dashboard:

    - Admin can manage users and evaluators (add, edit, delete).

    - The system now deals with multiple evaluators.

    - Real-time stats for user roles, module submissions, and monthly trends (from DB).

    - Testing: Manual testing has been completed (No extensive test cases yet will do that later). Automated testing with Selenium will be implemented in future sprints.

- 3.8 Event Management Enhancements:

  - The current feature supports online, and physical registration details as opposed to what we had in sprint 1(just a notice that the user has joined was the extent of sprint 1).

  - User registration caps implemented (max users registered).

  - Sends out the details/reminders via emails (For registered events).

  - Testing: Manual testing has been completed (No extensive test cases yet will do that later). Automated testing with Selenium will be implemented in future sprints.

- 3.7 Critical Thinking Feature:

  - Interface for adding questions into the question pool was added due to the request of client and the supervisor. (Quiz Management panel on admin dashboard)

  - Testing: Manual testing has been completed (No extensive test cases yet will do that later). Automated testing with Selenium will be implemented in future sprints.

- 3.3 User Profile Access and Management Feature:

  - Users can view and update their personal profile information, including system acquired data like scores.
  - The system securely stores and regularly updates user-specific profile details.

- Minor changes like feedback sorting and a dropdown for written communication was done
- Functionality Completion: 100% of the core functionality defined in the SRS is now implemented. (Client agreed with this in the meeting)

1.2. Plans for Next Sprint:

- **Begin Automated Testing:**
  With all core functionality complete, the next two sprints will focus on implementing Selenium-based automated testing for critical user flows.
- **Performance & Load Testing:**
  Based on client feedback, load testing will be prioritized to ensure the system can handle concurrent video submissions (target: 20+ simultaneous uploads by university students).
- **Minor Feature Enhancements:**
  The team remains open to minor UI/UX and functional improvements based on testing outcomes or additional client input.

1.3. Evidence

- [Event management branch link](#)
- [Interview practice branch link](#)
- [Critical Thinking branch link](#)
- [Admin dashboard link](#)
- [User profile link](#)

2. Agile

2.1 Agile Development Process

We adopted agile process throughout planning the CurtinTalentTrack application. It outlines the Agile practices we followed including client interactions, internal team meetings.

2.2 Client Feedback and Meetings

2.2.1 Regular Meeting with Client

We conducted our meetings with our client to get feedback and refine our planning process.

- We took meeting minutes of every meeting we had, which were emailed to our client and team member and took feedback and copied to our supervisor as well.

- We collected all our email communications and stored it in a Google Drive. https://drive.google.com/drive/folders/1e8dzrP0jwOcIL4dTs11YX2q6wQV633xW?usp=drive_link

We stored all our meeting minutes in a Google Drive and shared with all group members linked below

Client Meeting - https://drive.google.com/file/d/1TH2OertJzEOfSPaD8fZNXASJtIOmhqa3/view?usp=drive_link

The client meeting for sprint 2 was held on 03rd April 2025 to demonstrate the current progress. All meeting was documented by Anjana.

2.3 Internal Communications and Sprint Planning

2.3.1 Daily Communication

We made a WhatsApp group and comminated through the group to discuss progress and have daily updates on the project.

2.3.2 Meeting Documentation

We uploaded all our group meeting minutes to a Google Drive and we copied our supervisor to the said mail.(Minutes were documented by Anjana)

Group Meeting 1-
https://drive.google.com/file/d/1rP-ypVOlU6HRm7u9jHREI3inIK-fo_FB/view?usp=drive_link

Group Meeting 2-
https://drive.google.com/file/d/1SDmxJKDbyQp_jzfPxLNyvTMl6gfjY4Km/view?usp=drive_link

Group Meeting 3-
https://drive.google.com/file/d/1vS_laPhosE7erWtZ9WtZRBT51CS93XoO/view?usp=drive_link

2.4 Progress Tracking and Metrics

All charts are in a spreadsheet in the Google Drive link below:

https://docs.google.com/spreadsheets/d/1A4rL5wQFFHQyFUV-AA9DDfOwMRXye3PIM3T-xgkM-_4/edit?usp=sharing

2.4.1 Time Tracking

We used Toggl Track to keep track the time spent. This allowed us to monitor our progress accurately and ensure we were on track to meet deadlines. All our Toggl reports are uploaded to a Google Drive. (Link below)

https://drive.google.com/drive/folders/14kS4vMcKC0nj33y8N390175pJQsccjub?usp=drive_link
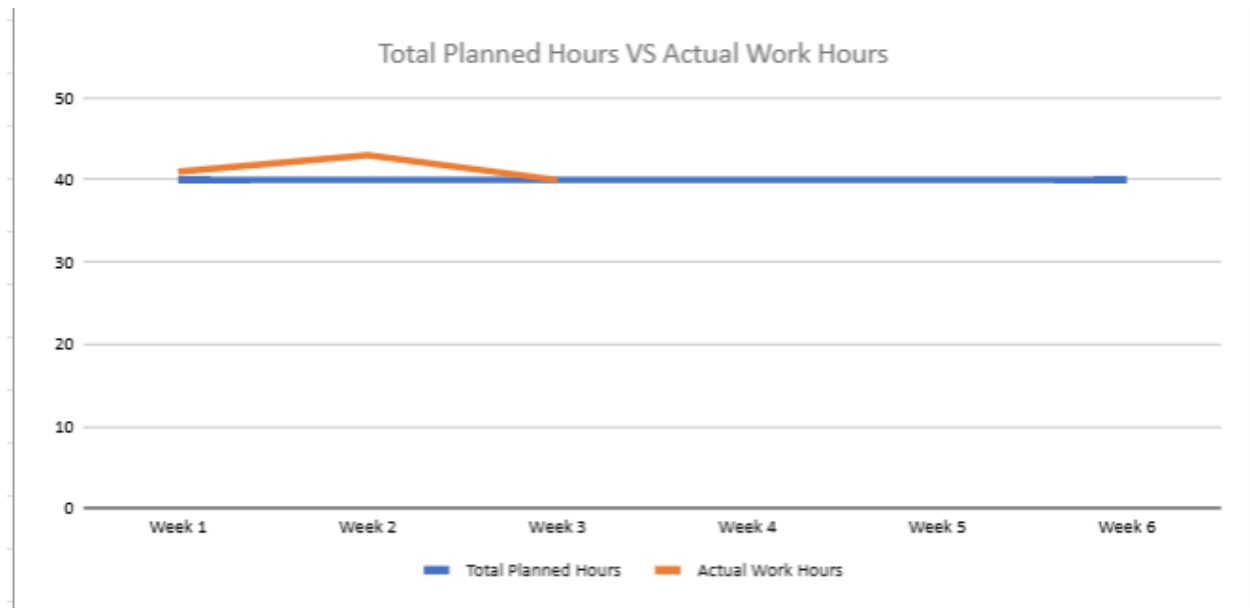
Figure 1 - time chart we drew using data from Toggl

2.4.2. Burn Up Chart

We created a burnup chart to track our progress and gave story points to get an idea on how things are going.

https://docs.google.com/spreadsheets/d/1A4rL5wQFFHQyFUV-AA9DDfOwMRXye3PIM3T-xgkM-_4/edit?gid=344654103#gid=344654103

2.4.3 Sprint Backlog

We used the following sprint backlog to give tasks to members and keep track of the progress.

Milestone 02	Coding					
Sprint 02	14/03/25 - 03/04/25		Task Completion		100.00%	
Task no	**Task**	**Owner**	**Priority**	**Start Date**	**Dead Line**	**Status**
7	Interview practice					Done
7.1	User selects "Interview Practice"	Rizkan	High	13-Mar-2025	3-Apr-2025	Done
7.2	System shows available slots for mock interview	Rizkan	High	13-Mar-2025	3-Apr-2025	Done
7.3	User books a slot	Rizkan	High	13-Mar-2025	3-Apr-2025	Done
7.4	System schedules interview and notifies the user	Rizkan	High	13-Mar-2025	3-Apr-2025	Done
7.5	Interview is recorded	Rizkan	High	13-Mar-2025	3-Apr-2025	Done
7.6	Feedback from evaluator is stored and shown to the user.	Rizkan	High	13-Mar-2025	3-Apr-2025	Done
8	Admin panel					Done
8.1	Admin selects "Admin Dashboard"	Anjana	Medium	13-Mar-2025	3-Apr-2025	Done
8.2	System displays management options	Anjana	Medium	13-Mar-2025	3-Apr-2025	Done
8.3	Admin manages users, events, evaluators, etc. through the interface.	Anjana	Medium	13-Mar-2025	3-Apr-2025	Done
9	My Profile					Done
9.1	Display fields for user details	Malith	Medium	13-Mar-2025	3-Apr-2025	Done
9.2	Editable fields for certain profile information	Malith	Medium	13-Mar-2025	3-Apr-2025	Done
9.3	Button for saving changes	Malith	Medium	13-Mar-2025	3-Apr-2025	Done
10	Critical Thinking Further Updates					Done
10.1	Quiz Management panel added to Admin	Hesara	Medium	13-Mar-2025	3-Apr-2025	Done
10.2	Created the required model parameters to add quizzes	Hesara	Medium	13-Mar-2025	3-Apr-2025	Done
10.3	Added a way to add more than two questions	Hesara	Medium	13-Mar-2025	3-Apr-2025	Done
10.4	A full delete quiz method from database	Hesara	Medium	13-Mar-2025	3-Apr-2025	Done
10.5	Filter buttons for rearranging quizzes	Hesara	Medium	13-Mar-2025	3-Apr-2025	Done
11	Event Management Further Updates					Done
11.1	Added online Meeting System	Rizkan	Medium	13-Mar-2025	3-Apr-2025	Done
11.2	Added Email system	Rizkan	Medium	13-Mar-2025	3-Apr-2025	Done
12	Written Communication Further Updates					Done
12.1	Added Dropdown menu for writing tasks as client requested	Malith	Medium	13-Mar-2025	3-Apr-2025	Done

Figure 2 - Screenshot of the sprint backlog

Sprint Backlog -

https://docs.google.com/spreadsheets/d/1A4rL5wQFFHQyFUV-AA9DDfOwMRXye3PIM3T-xgkM-_4/edit?gid=1699687092#gid=1699687092

2.5. Repository

Our team used Bitbucket for version control in our project. During the first sprint, we gained valuable experience working with Bitbucket and established a structured workflow for repository management. Below is an overview of our process:

1. Repository Management System:
   Our team adopted a well-defined system for repository management, ensuring smooth version control and effective team collaboration. This system has allowed us to work efficiently and maintain organized codebases.

2. Git Branching Strategy:
   We maintain a main branch that contains the finalized code for Sprint 1. Feature branches are created for individual tasks, and once development and testing are complete, these branches are merged into the main branch.

3. Merge Conflict Resolution:
   When merge conflicts arise in feature branches, team members resolve them locally. After resolving conflicts, they submit merge requests to the development branch for testing. Once testing is successful, the changes are merged into the main branch.

4. Pull Request Review Process:
   We implemented a pull request review system where at least two team members review and approve each request before merging. This ensures code quality and reduces the risk of errors.

5. Sprint Review Documentation:
   All changes made to the project plan, as well as any challenges encountered during the sprint, are documented in our sprint review. This helps us track progress, identify areas for improvement, and plan for future sprints.

Release branch link:
https://bitbucket.org/Computing_Projects_SLIIT/sd06-2024-talenttrack/commits/branch/release%2FSprint-0203%2F04%2F2025

Links to the merges to the sprint 02 branch

Anjana Wishwajith Premadasa (20463382)

https://bitbucket.org/Computing_Projects_SLIIT/sd06-2024-talenttrack/commits/branch/feature%2Fadmin-dashboard

Malith Pramuditha (20926076)

https://bitbucket.org/Computing_Projects_SLIIT/sd06-2024-talenttrack/commits/branch/feature%2Fuser-profile

https://bitbucket.org/Computing_Projects_SLIIT/sd06-2024-talenttrack/commits/branch/feature%2Fwritten-communication

Hesara Yasaswin Pathirana (20928386)

https://bitbucket.org/Computing_Projects_SLIIT/sd06-2024-talenttrack/commits/branch/feature%2Fcritical-thinking

Rizkan Rhazes (21309380)

https://bitbucket.org/Computing_Projects_SLIIT/sd06-2024-talenttrack/commits/branch/feature%2Fevent-management

https://bitbucket.org/Computing_Projects_SLIIT/sd06-2024-talenttrack/commits/branch/feature%2Finterview-practice

2.5.1 Individual Branches

Branching Plan Google link

feature/public-speaking	19 0	AP 7 hours ago	...
feature/event-management	25 0	R 8 hours ago	...
feature/critical-thinking	25 0	HY 4 days ago	...
feature/written-communication	25 0	MW 5 days ago	...
feature/login	27 0	6 days ago	...
develop	28 0	2025-03-06	...
feature/admin-dashboard	28 0	2025-03-06	...
feature/interview-practice	28 0	2025-03-06	...

Figure 3 - Screenshot of feature branches

Figure 4 - Screenshot of Commits

2.6. Attribution Table

Student Name	Task No (As per SRS)	Task
Anjana	No specific no in SRS	**Backend Basic structure + Mongo dB connection**
	3.9	**Admin Dashboard Feature**
		Admin logs into the dashboard
		Selects Evaluator management, has access to all CRUD privileges for evaluators.
		Selects Admin management, has access to all CRUD privileges for Admins.
Rizkan	**3.5**	**Interview Practice Feature**
		User selects "Interview Practice"
		System shows available slots for mock interview
		User books a slot
		System schedules interview and notifies the user
		Interview is recorded
		Feedback from evaluator is stored and shown to the user.
	3.8	**Event Creation and Management Feature**
		Added online Meeting System
		Added Email system
Hesara	**3.7**	**Critical Thinking**
		Quiz Management panel added to Admin
		Created the required model parameters to add quizzes
		Added a way to add more than two questions

		A full delete quiz method from database
		Filter buttons for rearranging quizzes
Malith	**3.3**	**User Profile**
		Display fields for user details
		Editable fields for certain profile information
		Button for saving changes
		Written Communication Further Updates
		Added Dropdown menu for writing tasks as client requested