Sprint Plan – COMP2003 Group 33

Project: Rebuilding of TypeScript Webpage to a Modern Modular System

Module: COMP2003 – Rebuilding TypeScript

Team Members: Maksym (PM / DevOps), Joe (Backend / Security), Dylan (Frontend), Hussain (UI/UX)

Semester 1 – Discovery & Prototype Phase

Focus: Understanding the old TypeScript system, defining goals, and delivering the first working prototype for the Interim Submission (Jan 2026).

Sprint 1 – Research & Planning (3 Nov – 14 Nov 2025)

Objectives:

- Review legacy TypeScript webpage and document architecture.
- Choose modern frontend framework (React + TypeScript).
- Create initial project structure and wireframes.
- Establish Trello board, GitHub repo, and documentation folder.
- Draft success metrics (KPIs).

Deliverables:

- ComponentMapping.md
- TechStackDecision.md
- MeetingMinutes.md
- /Design Documents/ folder structure and Agile board screenshots.

Sprint 2 – System Design & Prototype (17 Nov – 28 Nov 2025)

Objectives:

- Build new project skeleton (components, pages, styles).
- Implement sample responsive layout for homepage.
- Connect one backend endpoint for testing.
- Document component directory structure and naming conventions.
- Internal peer testing of prototype.

Deliverables:

- Functional homepage prototype.
- Updated documentation and screenshots.
- Sprint 2 meeting minutes and Trello progress evidence.

Sprint 3 – Prototype Completion & Interim Prep (1 Dec – 12 Dec 2025)

Objectives:

- Complete core frontend pages.
- Integrate backend data flow (API).
- Finalise admin and developer documentation drafts.
- Conduct QA testing (responsiveness, functionality, accessibility).
- Prepare Interim presentation slides and demo video.

Deliverables:

- Fully functional prototype linked to backend.
- QA report and testing summary.
- Interim presentation package (slides + demo).
- Updated Trello screenshots and meeting records.

Semester 2 – Development & Finalisation (Preview)

Sprint	Dates	Focus
4	2 – 13 Feb 2026	Full development and backend integration
5	23 Feb – 6 Mar 2026	AI tracking, AWS hosting, documentation
6	23 Mar – 3 Apr 2026	Testing, refinement, final submission

Interim Submission: 9 Jan 2026

Final Submission: 27 Apr 2026

Showcase: 6 May 2026 – Smeaton Building

This sprint plan follows Agile Scrum principles, using Trello and GitHub to track progress, commits, and deliverables.