

Capstone Project Timeline

Sprint	Weeks	Dates	Plan
Pre-Sprint	1~3	28/7 ~ 17/8	<ul style="list-style-type: none"> Team formation Project kickoff Requirement Gathering Client Introduction Initial planning
Sprint 1	4~6	18/8 ~ 07/9	<p>Initial Prototype & Application Foundations</p> <p>Milestones:</p> <ul style="list-style-type: none"> Finalise project requirements with client Break down the scopes into functional / non-functional, organise them into epic, features, and user stories Establish project plan, tech stack, repository and documentation space. Setup all envs Develop basic UI prototyping System architecture design Implement minimal viable features (MVP) for demo <p>Deliverables:</p> <ul style="list-style-type: none"> Detailed project plan & timeline chart Wireframes / hand drawn mock-ups; High-fidelity UI prototype with Figma System architecture diagram Early MVP showcasing basic functional pages and components <p>Artefacts:</p> <ul style="list-style-type: none"> Updated backlog in project management tool Documentation of process (refer to other checklist for details) Sprint review presentation (or demo video)

Sprint 2	7~9	08/9 ~ 28/9	Core Features & Integration Milestones: <ul style="list-style-type: none"> • Complete majority of core functionality • Interactable frontend UI components and complete pages • Fully functional server that handles API requests and database CRUD operations • Implement most of database integration and partial API connections • CI/CD pipeline solutions • Begin writing unit & integration tests, conduct functional test along the way • Research deployment options and start provisioning instances • Apply the feedback from client in Sprint 1 • Conduct mid-project retrospective Deliverables: <ul style="list-style-type: none"> • Updated working MVP with core functional features presented • Comprehensive API endpoints documentation • Some demo of integration showcasing the communication between different software components • Partial CI/CD pipelines • Some test cases & partial testing results • Cloud platform deployment plan Artefacts: <ul style="list-style-type: none"> • Updated backlog & Burndown chart • Documentation of process (refer to other checklist for details) • Sprint review presentation (or demo video)
<i>(Non-Teaching Week)</i>		29/9 ~ 05/10	<i>(continue to work on Sprint 2 or early start on Sprint 3)</i>

Sprint 3 Team Presentation (week 12)	10~12	06/10 ~ 26/10	Feature Completion, Refinement & Testing Milestones: <ul style="list-style-type: none"> • Finalise the integration of all parts, complete all agreed features • Assess low priority tasks & out-of-scope features, make final decision to proceed or move on • Full system testing (functional, usability, performance, etc ...) • Bug fixing & project refinement based on client feedback • Deployment solution examine, make application publicly available • Conduct user acceptance testing (UAT) with client • Prepare for final presentation Deliverables: <ul style="list-style-type: none"> • Fully functional system ready for deployment • Detailed Cloud platform and CI/CD pipeline process with documentation • Finalised testing reports • Process & Dev & Product documentation up to date Artefacts: <ul style="list-style-type: none"> • Updated backlog in project management tool • Documentation of process (refer to other checklist for details) • Final presentation
(SWOT Vac)		27/10 ~ 02/11	(continue to work on Sprint 3 or start on the Handover)

Handover Sprint	2~3 weeks	03/11 ~ 21/11	Deployment, Property & Knowledge Transfer Milestones: <ul style="list-style-type: none"> • Application is functioning in a production environment • Conduct usage guide (or training) session with clients & stakeholders • Handover project artefacts: documentation & repository • (If required) Tech team handover: tech stack walk through, dev env setup • Final bug fixes & optimisations from clients' feedback • Complete final evaluation & retrospective Deliverables: <ul style="list-style-type: none"> • Production-ready application • Handover Doc & Deployment guide (& optionally rollback plan) • Finalised user and technical documentation • Git Repository
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