



IBM TODO App Project

Sprint Plan

Software Engineering Project (CSU33013 & CSU22013)

10th March 2022

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Sprints

We decided on a sprint duration of one week to coincide with our weekly scrum meetings and allow progress to be assessed and reviewed as regularly as possible.

The below is an outline of the intended goals of each sprint and the various deadlines and scrum meeting times associated with each. Naturally, these will be updated to reflect the current state of the project at the end of each sprint.

Sprint 1 (28/01/2022 - 03/02/2022)	
Meeting times	Scrum Meeting: 11:00-11:30 (28/01/2022) Client Meeting: 08:00-09:00 (31/01/2022) Requirements Meeting: 15:00-16:00 (31/01/2022) Sprint Planning Meeting: 12:00-13:00 (01/02/2022)
Deadlines	N/A
Objectives	<ul style="list-style-type: none">• Meet as a team and discuss initial project specification• Contact and meet client• Discuss project specification with client• Discuss project goals among team• Create basic project backlog and sprint plan timeline

Sprint 2 (04/02/2022 - 10/02/2022)	
Meeting times	Sprint Planning/Review & Scrum Meeting: 11:00-11:30 (04/02/2022) Requirements Meeting: 15:00-16:00 (07/02/2022) Sprint Planning: 12:00-13:00 (08/02/2022)
Deadlines	N/A
Objectives	<ul style="list-style-type: none">• High-level research of project requirements and possible tools, frameworks, languages etc.• Discuss as a team what is achievable over the course of the project• Create initial requirements document draft and send on to client

Sprint 3 (11/02/2022 - 17/02/2022)	
Meeting times	Sprint Planning/Review & Scrum Meeting: 11:00-11:30 (11/02/2022) Client Meeting: 08:00-09:00 (14/02/2022) Requirements Meetings: 16:00-18:00 (14/02/2022) 12:00-13:00 (15/02/2022)
Deadlines	<ul style="list-style-type: none"> Requirements Presentation (14/02/2022)
Objectives	<ul style="list-style-type: none"> Discuss initial requirements document with client in detail Make any necessary changes to requirements document and send on to client for sign-off Prepare for requirements presentation

Sprint 4 (18/02/2022 - 24/02/2022)	
Meeting times	Sprint Planning/Review & Scrum Meeting: 11:00-11:30 (18/02/2022) System Architecture Meeting: 12:00-13:00 (22/02/2022)
Deadlines	<ul style="list-style-type: none"> Signed-off Requirements Document (18/02/2022)
Objectives	<ul style="list-style-type: none"> Get client sign-off on requirements document Discuss architectural decisions that need to be made and make some preliminary decisions Create basic application Create basic pipeline infrastructure

Sprint 5 (25/02/2022 - 03/03/2022)	
Meeting times	Sprint Planning/Review & Scrum Meeting: 11:00-11:30 (25/02/2022) Client Meeting: 08:00-09:00 (28/02/2022) System Architecture Meeting: 12:00-13:00 (01/03/2022)
Deadlines	N/A
Objectives	<ul style="list-style-type: none"> Discuss current architectural decisions with client and revise architectural decisions Discuss architectural decisions and sprint planning amongst group and finalise project plan

	<ul style="list-style-type: none"> Complete Project Plan and Software Design Specification Document
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Sprint 6 (04/03/2022 - 10/03/2022)	
Meeting times	Sprint Planning/Review & Scrum Meeting: 11:00-11:30 (04/03/2022) Backlog Meeting: 12:00-13:00 (08/03/2022)
Deadlines	N/A
Objectives	<ul style="list-style-type: none"> Send architectural decisions and project plan on to client to discuss at next meeting Set up integration and deployment workflows in CI/CD pipeline Set up basic React application with basic unit testing using Jest Store data from app persistently in database Set up documentation of project in repository - GitHub pages, READMEs

Sprint 7 (11/03/2022 - 17/03/2022)	
Meeting times	Sprint Planning/Review & Scrum Meeting: 11:00-11:30 (11/03/2022) Client Meeting: 08:00-09:00 (14/03/2022) Backlog Meeting: 15:00-16:00 (14/03/2022) Integration Meeting: 12:00-13:00 (15/03/2022)
Deadlines	<ul style="list-style-type: none"> Software Design Specification Document (14/03/2022) Project Plan (14/03/2022)
Objectives	<ul style="list-style-type: none"> Discuss architectural decisions and basic pipeline/application with client Set up packaging workflow in CI/CD pipeline Addition, deletion of TODOs to React app with storage to a persistent database (unit tested) UI created

Sprint 8 (18/03/2022 - 24/03/2022)

Meeting times	Sprint Planning/Review & Scrum Meeting: 11:00-11:30 (18/03/2022) Meetings: 15:00-16:00 (21/03/2022) 12:00-13:00 (22/03/2022)
Deadlines	N/A
Objectives	<ul style="list-style-type: none"> • Sorting and marking of completion of TODOs in React app (unit tested) • Static analysis pipeline workflow • Red Hat Clair integrated over Red Hat Quay

Sprint 9 (25/03/2022 - 31/03/2022)	
Meeting times	Sprint Planning/Review & Scrum Meeting: 11:00-11:30 (25/03/2022) Client Meeting: 08:00-09:00 (28/03/2022) Meetings: 15:00-16:00 (28/03/2022) 12:00-13:00 (29/03/2022)
Deadlines	<ul style="list-style-type: none"> • Final Presentation (28/03/2022)
Objectives	<ul style="list-style-type: none"> • Additional pipeline workflows • Additional application features • Documentation of project on GitHub pages

Sprint 10 (01/04/2022 - 07/04/2022)	
Meeting times	Sprint Planning/Review & Scrum Meeting: 11:00-11:30 (01/04/2022) Meetings: 15:00-16:00 (04/04/2022) 12:00-13:00 (05/04/2022)
Deadlines	N/A
Objectives	<ul style="list-style-type: none"> • Finish software system • Complete Project Management Report • Complete Development Report

Sprint 11 (08/04/2022 - 14/04/2022)	
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Meeting times	Sprint Planning/Review & Scrum Meeting: 11:00-11:30 (08/04/2022) Client Meeting: 08:00-09:00 (11/04/2022) Meetings: 15:00-16:00 (11/04/2022) 12:00-13:00 (12/04/2022)
Deadlines	<ul style="list-style-type: none"> • Software System (14/04/2022) • Project Management Report (14/04/2022) • Development Report (14/04/2022) • Client Handover Proof (14/04/2022) • Author Declaration (14/04/2022) • Individual Reflective Essay (14/04/2022)
Objectives	<ul style="list-style-type: none"> • Tidy up project • Complete documentation • Client handover and sign-off