

# 3XA3 Project Plan

Apr 7, 2021

<https://gitlab.cas.mcmaster.ca/zamana11/se3xa3-project>

Project manager

Project dates

Jan 12, 2021 - Apr 12, 2021

Completion

100%

Tasks

73

Resources

3

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Project timeline and deliverables for SE 3XA3 SocialPy Application.  
This document includes team members and their assigned tasks.

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## Tasks

2

Name	Begin date	End date
Team Formation	1/12/21	1/18/21
Project Approval	1/18/21	1/25/21
Brainstorm ideas	1/18/21	1/25/21
Identify test cases & feasibility	1/18/21	1/25/21
Problem Statement	1/25/21	1/28/21
Problem Scope & description	1/25/21	1/28/21
Stakeholders	1/25/21	1/28/21
Problem Statement Due	1/29/21	1/29/21
Development Plan	1/29/21	2/4/21
Git Workflow plan	1/29/21	2/4/21
Role assignments	1/29/21	2/4/21
Project schedule	1/29/21	2/4/21
Coding style	1/29/21	2/4/21
Technology	1/29/21	2/4/21
POC plan	1/29/21	2/4/21
Development Plan Due	2/5/21	2/5/21
Requirements Doc Revision 0	2/6/21	2/11/21
Project Drivers	2/6/21	2/11/21
Functional Requirements	2/6/21	2/11/21
Non-Functional Requirements	2/6/21	2/11/21
Project Issues	2/6/21	2/11/21
Appendix	2/6/21	2/11/21

## Tasks

Name	Begin date	End date
Requirements Doc Due	2/12/21	2/12/21
Proof of Concept (POC) Development	2/12/21	2/21/21
Setup Firebase DB console	2/12/21	2/21/21
<i>Create a firebase DB project and configure the JSON structure for the various components of the app(ie; Profile, Posts, Users)</i>		
Implement Firebase API Base modules	2/12/21	2/21/21
<i>This is the module class that will be used to create an instance of the firebase DB in order to communicate with the firebase back-end.</i>		
<i>This will include modules for interfacing with the DB as well as built-in authentication.</i>		
Implement basic Posts module functions	2/12/21	2/21/21
<i>AddPost: Given a users message as a string, append it to the Posts subtree.</i>		
<i>ViewPost: Given a valid username, display all their posts.</i>		
POC due	2/22/21	2/22/21
Ongoing Development (Post-POC)	2/22/21	3/21/21
<i>Revised development. This includes continued development of remaining modules such as Delete, Edit Profile, etc along with the development of the controller class to "glue" all modules together into a final product.</i>		
Further implement Posts Module	2/22/21	3/21/21
<i>Implement DeletePost functionality.</i>		
Implement Profile modules	2/22/21	3/21/21
<i>Find/Search for user.</i>		
<i>View Profile.</i>		
Integrate the existing modules	2/22/21	3/21/21
<i>Integrate existing modules together via a controller module.</i>		
Develop Parser module	2/22/21	3/21/21
Test Plan Revision 0	2/23/21	3/4/21
General information	2/23/21	3/4/21
Test Plan Description	2/23/21	3/4/21
System Test Description	2/23/21	3/4/21
Tests for POC	2/23/21	3/4/21
Existing implementation comparison	2/23/21	3/4/21

# Tasks

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Name	Begin date	End date
Unit Testing Plan	2/23/21	3/4/21
Test Plan Revision/Report 0 Due	3/5/21	3/5/21
Design & Doc revision 0	3/6/21	3/17/21
Introduction	3/6/21	3/17/21
Anticipated & Unlikely Changes	3/6/21	3/17/21
Module Hierarchy	3/6/21	3/17/21
Connection Between Reqs & Design	3/6/21	3/17/21
Module Decomposition	3/6/21	3/17/21
Tracability Matrix	3/6/21	3/17/21
User Hierarchy between modules	3/6/21	3/17/21
Design & Doc revision 0 Due	3/18/21	3/18/21
Revision 0 Demo	3/22/21	3/22/21
<i>Product Revision 0 demo for progress since POC.</i>		
Final Development	3/22/21	4/4/21
<i>Ongoing Product Development progress meeting/showcase</i>		
Complete Posts module	3/22/21	4/4/21
<i>Complete Delete posts module</i>		
Compete Profile module	3/22/21	4/4/21
<i>Complete Follow/unfollow module.</i>		
Complete Parser module	3/22/21	4/4/21
<i>Complete command parser module</i>		
Complete revised controller/main module	3/22/21	4/4/21
<i>Complete main/controller module in order to interact with the entire system</i>		
Complete Test Modules	3/22/21	4/4/21
<i>Complete Test modules</i>		
Unit Testing	3/22/21	4/4/21
<i>Conduct Unit Tests and record the results</i>		

## Tasks

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Name	Begin date	End date
Authentication Testing	3/22/21	4/4/21
System Testing	3/22/21	4/4/21
Integration Testing	3/22/21	4/4/21
NFR Testing	3/22/21	4/4/21
FR Testing	3/22/21	4/4/21
Final Development Demo Due	4/5/21	4/5/21
Final Documentation Revision	3/22/21	4/11/21
<i>Revise all documents and make the necessary changes.            This applies to the following:</i> <ul style="list-style-type: none"> <li>- Problem Statement</li> <li>- Development Plan</li> <li>- Requirements Document</li> <li>- Design Document</li> <li>- Test Plan</li> <li>- Test Report</li> <li>- Users Guide (optional)</li> <li>- Source Code</li> </ul>		
Complete Test Report	3/22/21	4/11/21
<i>Complete Test Report</i>		
Code Coverage Metrics	3/22/21	4/11/21
NFR Evaluation	3/22/21	4/11/21
FR Evaluation	3/22/21	4/11/21
Trace to Requirements	3/22/21	4/11/21
Trace to Modules	3/22/21	4/11/21
Changes due to Testing	3/22/21	4/11/21
Final Documentation Due	4/12/21	4/12/21
<i>Final Documentation (Revision 1) April 12            Includes Problem Statement- Development Plan- Requirements Document- Design Document- Test Plan- Test Report- Users            Guide (optional)- Source Code</i>		

Resources

Name	Default role
Anando Zaman	Development Lead
Graeme Woods	Developer
Yuvraj Randhawa	Developer

Gantt Chart



