

PROJECT PLAN

Version History

Date	Version Number	Changes Made
11/23/2023	1	Initial Project Plan submission.

Table of Contents

Important Dates.....	2
Milestones.....	3
Semester 1 Milestone 1.....	3
Semester 1 Milestone 2.....	3
Semester 2 Team Milestone 1.....	3
Semester 2 Team Milestone 2.....	4
Semester 2 Team Milestone 3.....	5
Team Capacity.....	5
Sprint Breakdown:.....	6
Semester 1:.....	7
Sprint 6.....	7
Sprint 7.....	8
Semester 2:.....	8
Sprint 8.....	8
Sprint 9.....	8
Sprint 10.....	9
Sprint 11 Research Sprint.....	9
Sprint 12.....	9
Sprint 13.....	9
Sprint 14.....	10
Sprint 15 Research Sprint.....	10
Sprint 16.....	10
Sprint 17.....	10
Gantt Chart.....	12
Scope Creep.....	12

Project Summary

Project Start date: **November 22**

Second Semester Work Start date: **January 8th**

Product Deployment: **May 8th**

Number of Milestones: **5**

- Semester 1 Milestone 1 (Internal Date: November 7th, External Date: November 8th)
- Semester 1 Milestone 2
- Semester 2 Milestone 1
- Semester 2 Milestone 2
- Semester 2 Milestone 3

Number of Sprints: 17

Total Project Effort Points: 689.5

Critical Path:

- The following features depends on LLI Management
 - Recommendation Engine
 - Lifelog Calendar
 - Life Tree
 - Interactive Geospatial Map
 - Location Recommendor
 - Lifelog Reminders
 - Media Momentos
 - Personal Note
- The following features depends on Personal Note
 - Lifelog Calendar
 - Life Tree
- All application specific features depends on the core components features

Product Milestones

Semester 1 Milestone 1

Internal Due Date: November 7th

External Due Date: November 8th

Total Effort Points: 74.5

- Milestone 1
 - Data Access Library (Product Owner: Phong, Effort points 20)
 - Logging Library (Product Owner: Jack, Effort points 25)
 - High Level Design Document (Product Owner: Devin, Effort points 22)
 - Project Plan Document (Product Owner: Jack, Effort points 7.5)

Semester 1 Milestone 2

Internal Due Date: December 10th

External Due Date: December 11th

Total Effort Points: 60

- Milestone 2
 - Security Library (Product Owner: Yoshiki, Effort points: 20)
 - User Management Library (Product Owner: Phong, Effort points: 30)
 - Network Diagram (Product Owner: Zarif, Effort points: 10)

Semester 2 Team Milestone 1

Internal Due Date: February 14th

External Due Date: February 21th

Total Effort Points: 160

- Unit Testing
- User Management Library Front End (Product Owner: Yoshiki, Effort points: 20)
 - Sign up page (Effort points: 5)
 - Sign in page (Effort points: 5)
 - Account management page (Effort points: 5)
 - Account recovery page (Effort points: 5)
- Usage dashboard (Product Owner: Phong, Effort points: 20)

- User privacy control (Product Owner: Jack, Effort points: 20)
- Archival (Product Owner: Jack, Effort points: 15)
- LLI management (Product Owner: Phong, Effort points: 60)
 - LLI1 (Effort points: 10)
 - LLI2 (Effort points: 10)
 - LLI3 (Effort points: 10)
 - LLI4 (Effort points: 10)
 - LLI5 (Effort points: 10)
 - LLI6 (Effort points: 10)
- Motivational quote (Product Owner: Devin, Effort points: 25)
 - MQ1 (Effort points: 20)

Semester 2 Team Milestone 2

Internal Due Date: March 27th

External Due Date: April 3rd

Total Effort Points: 395

- *Unit Testing*
- User form (Product Owner: Phong, Effort points: 25)
 - LLU1 (Effort points: 15)
 - LLU2 (Effort points: 10)
- Interactive Geospatial Map (Product Owner: Yoshiki, Effort points: 50)
 - IGM1 (Effort points: 10)
 - IGM2 (Effort points: 10)
 - IGM3 (Effort points: 10)
 - IGM4 (Effort points: 10)
 - IGM5 (Effort points: 10)
 - IGM6 (Effort points: 10)
- Media Momentos (Product Owner: Jack, Effort points: 40)
 - MM1 (Effort points: 20)
 - MM2 (Effort points: 10)
 - MM3 (Effort points: 10)
- Calendar (Product Owner: Zarif, Effort points: 50)
 - LC1 (Effort points: 10)
 - LC2 (Effort points: 10)
 - LC3 (Effort points: 10)
 - LC4 (Effort points: 10)
 - LC5 (Effort points: 10)
- Reminder email (Product Owner: Devin, Effort points: 20)
 - LR1 (Effort points: 20)

- Recommendation engine (Product Owner: Jack, Effort points: 70)
 - RE1 (Effort points: 50)
 - RE2 (Effort points: 20)
- Personal note (Product Owner: Yoshiki, Effort points: 40)
 - PN1 (Effort points: 10)
 - PN2 (Effort points: 10)
 - PN3 (Effort points: 10)
 - PN4 (Effort points: 10)
- Life tree (Product Owner: Zarif, Effort points: 50)
 - LT1 (Effort points: 20)
 - LT2 (Effort points: 10)
 - LT3 (Effort points: 10)
 - LT4 (Effort points: 10)
- Location recommender (Product Owner: Devin, Effort points: 50)
 - LoR1 (Effort points: 20)
 - LoR2 (Effort points: 10)
 - LoR3 (Effort points: 10)
 - LoR4 (Effort points: 10)

Semester 2 Team Milestone 3

Internal Due Date: May 1st

External Due Date: May 8th

- Regression Testing

Team Capacity

Sprint	Duration	Devin	Jack	Phong	Yoshiki	Zarif
6 (R)	11/23 - 11/27	10	10	10	10	10
7	11/27 - 12/11	20	20	20	20	20
8	01/08 - 01/22	20	20	20	20	20
9	01/23 - 02/06	20	20	20	16	20
10	02/07 - 02/21	20	20	20	20	20
11 (R)	02/22 - 02/24	10	10	10	10	10
12	02/25 - 03/05	20	20	20	20	20
13	03/06 - 03/20	20	20	20	20	20
14	03/21 - 04/03	30	30	30	30	30
15 (R)	04/04 - 04/08	10	10	10	10	10
16	04/09 - 04/23	30	30	30	30	30
17	04/24 - 05/08	30	30	30	30	30

Risk Identification and Mitigation Plans:

General human risk : sickness, family emergency, tragic event, intense class schedule

Solution: Bake an extra week of time after the internal due date for the external due dates, to ensure that timings can be flexible. Address any potential a team member will not be able to finish during standup to ensure the whole team is aware of the situation and able to assist if possible.

Poor product design : Feature requirements did not make sense as presented, will need to be restructured in order to be implemented into our system.

Solution : Discuss with the client if any scope changes happen, and build core requirements and more essential features first, the functionalities at the edge of our decision tree are the most likely to have nonoptimal requirements after the rest of the system is designed. We have been in close contact with clients about introducing our features, so this will likely not occur.

Scope creep: Project could expand, throwing off our estimations and predictions

Solution : Employ a large phase of high level project planning, and take care when defining system requirements to ensure that conceivable work is accounted for. If scope does creep, take advantage of buffers created by internal and external due date differences to address scope creep in the most agile adhering way possible.

Sprint Breakdown:

At the end of each sprint, functionalities introduced up to that point are expected to adhere to their accurate unit tests.

Semester 1:

Sprint 6

Dates: November 23rd to November 27th

Purpose: Recover from semester in general, mentally prepare for finals, enjoy thanksgiving with family, and research/review product to prepare for Team Review 2

Work Brought In:

- Team Review 2

Sprint 7

Dates: November 27th to December 11th

Purpose: Complete deliverables for Milestone 2

Total effort points: 60

Work Brought In:

- Network Traffic Diagram (Assigned: Zarif, Effort points: 10)
- Security Library (Assigned: Yoshiki, Effort points: 20)
 1. Authentication (Assigned: Yoshiki, Effort points: 5)
 2. Authorization (Assigned: Yoshiki, Effort points: 5)
 3. Automated Tests (Assigned: Yoshiki, Effort points: 5)
 4. Low-Level Design Doc (Assigned: Yoshiki, Effort points: 5)
- User Management (Assigned: Phong, Effort points: 30)
 1. Account Registration (Assigned: Phong, Effort points: 5)
 2. Account Deletion (Assigned: Phong, Effort points: 5)
 3. Account Recovery (Assigned: Jack, Effort points: 5)
 4. Profile Modification (Assigned: Jack, Effort points: 5)
 5. Automated Tests 7 (Assigned: Devin, Effort points: 5)
 6. Low-Level Design Doc 3 (Assigned: Zarif, Effort points: 5)

Dec 12th to - Dec 18th is finals week, so semesters work ends with Sprint 7

Semester 2:

Team milestone 1:

Sprint 8

Dates: January 8th to January 22nd

Purpose: Complete deliverables for Team Milestone 1

Total effort points: 35

Work Brought In:

- Archival (Product Owner and Assigned: Jack, Effort points: 15)
- User Management Library Front End (Product Owner: Yoshiki, Effort points: 20)
 - Sign up page (Assigned: Yoshiki, Effort points: 5)
 - Sign in page (Assigned: Phong, Effort points: 5)
 - Account management page (Assigned: Zarif, Effort points: 5)
 - Account recovery page (Assigned: Devin, Effort points: 5)

Sprint 9

Dates: January 23rd to February 6th

Purpose: Complete deliverables for Team Milestone 1

Total effort points: 30

Work Brought In:

- Usage dashboard (Product Owner and Assigned: Phong, Effort points: 10)
- User privacy control (Product Owner and Assigned: Devin Effort points: 20)
- LLI management (Product Owner: Phong, Effort points: 30)
 - LLI1 (Assigned: Phong, Effort points: 10)
 - LLI2 (Assigned: Jack, Effort points: 10)
 - LLI3 (Assigned: Yoshiki, Effort points: 10)
 - LLI4 (Assigned: Zarif, Effort points: 20)

Sprint 10

Dates: February 7th to February 21st

Purpose: Complete deliverables for Team Milestone 1

Total effort points: 100

Work Brought In:

- LLI management (Product Owner: Phong, Effort points: 20)
 - LLI5 (Assigned: Phong, Effort points: 10)
 - LLI6 (Assigned: Phong, Effort points: 10)
- MQ 1 (Product Owner and Assigned: Devin, Effort points: 20)
- Personal Note (Product Owner: Yoshiki, Effort points: 20)

- PN1 (Assigned: Yoshiki, Effort points: 10)
- PN2 (Assigned: Zarif, Effort points: 10)
- Recommendation Engine (Product Owner: Jack, Effort points: 20)
 - RE1 (Assigned: Jack, Effort points: 20)
- Interactive Geospatial Map (Product Owner: Yoshiki, Effort points: 20)
 - IGM1 (Assigned: Yoshiki, Effort points: 10)
 - IGM2 (Assigned: Zarif, Effort points: 10)

Sprint 11 Research Sprint

Dates: February 22nd to February 24th

Purpose: Prepare for Team Milestone 2

Work Brought In:

- Research on Team Milestone 2

Sprint 12

Dates: February 25th to March 5th

Purpose: Complete deliverables for Team Milestone 2

Total effort points: 90

Work Brought In:

- Recommendation Engine (Product Owner: Jack, Effort points: 20)
 - RE1 (Assigned: Jack, Effort points: 10)
 - RE2 (Assigned: Jack, Effort points: 10)
- User Form (Product Owner: Phong, Effort points: 20)
 - UF1 (Assigned: Phong, Effort points: 10)
 - UF2 (Assigned: Zarif, Effort points: 10)
- LifeLog Calendar (Product Owner: Zarif, Effort points: 20)
 - LC1 (Assigned: Zarif, Effort points: 10)
 - LC2 (Assigned: Yoshiki, Effort points: 10)
- Lifelog Reminders (Product Owner: Devin, Effort points: 20)
 - LR1 (Assigned: Devin, Effort points: 20)
- Interactive Geospatial Map (Product Owner: Yoshiki, Effort points: 10)
 - IGM3 (Assigned: Yoshiki, Effort points: 10)

Sprint 13

Dates: March 6th to March 20th

Purpose: Complete deliverables for Team Milestone 2

Total effort points: 100

Work Brought In:

- Recommendation Engine (Product Owner: Jack, Effort points: 10)

- RE2 (Assigned: Yoshiki, Effort points: 10)
- Media Momentos (Product Owner: Jack, Effort points: 40)
 - MM1 (Assigned: Jack, Effort points: 20)
 - MM2 (Assigned: Phong, Effort points: 10)
 - MM3 (Assigned: Phong, Effort points: 10)
- Personal Note (Assigned: Yoshiki, Effort points: 20)
 - PN3 (Assigned: Yoshiki, Effort points: 10)
 - PN4 (Assigned: Zarif, Effort points: 10)
- LifeLog Calendar (Assigned: Zarif, Effort points: 10)
 - LC3 (Assigned: Zarif, Effort points: 10)
- Location Recommendation (Assigned: Devin, Effort points: 20)
 - LoR1 (Assigned: Devin, Effort points: 20)

Sprint 14

Dates: March 21st to April 3rd

Purpose: Complete deliverables for Team Milestone 2

Total effort points: 70

Work Brought In:

- Interactive Geospatial Map (Assigned: Yoshiki, Effort points: 30)
 - IGM4 (Assigned: Yoshiki, Effort points: 10)
 - IGM5 (Assigned: Yoshiki, Effort points: 10)
 - IGM6 (Assigned: Phong, Effort points: 10)
- LifeLog Calendar (Assigned: Zarif, Effort points: 10)
 - LC4 (Assigned: Jack, Effort points: 10)
 - LC5 (Assigned: Zarif, Effort points: 10)
- Life Tree (Assigned: Zarif, Effort points: 30)
 - LT1 (Assigned: Zarif, Effort points: 20)
 - LT2 (Assigned: Jack, Effort points: 10)
 - LT3 (Assigned: Phong, Effort points: 10)
 - LT4 (Assigned: Jack, Effort points: 10)
- Location Recommendation (Assigned: Devin, Effort points: 30)
 - LoR2 (Assigned: Devin, Effort points: 10)
 - LoR3 (Assigned: Devin, Effort points: 10)
 - LoR4 (Assigned: Devin, Effort points: 10)

Sprint 15 Research Sprint

Dates: April 4th to April 8th

Purpose: Spring Break relax and prepare for regression testing

Work Brought In:

- Regression testing research

Sprint 16

Dates: April 9th to April 23rd

Purpose: Complete deliverables for Team Milestone 3

Work Brought In:

- Team Test and Review Code for remaining hours

Sprint 17

Dates: April 24th to May 8th

Purpose: Complete deliverables for Team Milestone 3

Work Brought In:

- Team Test and Review Code for remaining hours