

# Project Deliverable E: Project Schedule and Cost

Bailey Watson, 7761424

Ethan Mumford, 300233682

Yang Peng, 300257350

Aditya Mukhopadhyay, 300250553

Ayo Oladipupo, 300200715

## 1. Detailed Design Drawing

### 1.1. Sketches

See Appendix B for sketches.

### 1.2. Parts List

See Appendix B for Parts List.

## 2. Prototyping Plan and Schedule

### 2.1. Prototyping Plan

The detailed prototyping plan can be found in **Table 1** below. This table includes a detailed description of the tasks involved, the duration of each task (start and end dates), and the team member who is responsible for making sure the task is completed.

*Table 1 - Prototyping Plan*

Task	Duration	Responsible
1 - Develop a code in Code Blocks (C as programming language) to experiment with logic needed to create solution 1's subsystems 2.1.2 - 2.1.7 from deliverable D	10/21/21 - 11/03/21 (For Prototype I)	Ethan Mumford
2- Use Google Sites to create interactive UI for UX testing	10/21/21 - 11/01/21 (For Prototype I)	Aditya
3- Identify if Power Apps can be used for websites, not just smartphone apps, and how	10/21/21 - 11/28/21	Ayo
4- Identify and implement Code Blocks systems to incorporate into Power Tools	10/31/21 (For Prototype II)	Team
5- Create Power App Layout (for functional features)	11/04/21 - 11/11/21 (For Prototype II)	Aditya

6- Create Power App input table c/w Automation	11/04/21 - 11/11/21 (For Prototype II)	Bailey/Yang/Ethan
7- Create Power BI Tables/Graphs and link to Spreadsheets for insights	11/11/21 - 11/25/21 (For Prototype III)	ALL

## 2.2. Risks and Contingency Plans

The potential risks associated with prototyping have been identified in **Table 2** below, and contingency plans have been developed to mitigate the effects of these risks. The list is not exhaustive; however, it should be considered complete.

*Table 2 - Risks and Contingencies*

Risk	Contingency
A risk with task 1 is that is so large that it isn't finished.	Subsystems 2.1.5 and 2.1.6 will be a lower priority. This done to make sure that if somethings don't get done it is one of the less important subsystems.
The final system is not functional	Include detailed description of processes, logic, and design intentions in the report. This way, an experienced cloud developer can execute the ideas and plans presented.
The prototype is focused on the wrong features	Similar to the point above, comprehensive explanation will be included in the final report to ensure full understanding of solution.
Testing Results are Poor	Should testing of the selected prototype fail, we will refer to the considered but rejected section of Deliverable D to facilitate iteration.
Power apps might not be capable to function as planned.	Several operations and trials will be considered to ensure that using power app used for the website does not leading to crashing or future damages to previous work done.

## 2.3. Schedule

The prototyping plan can be found at the following link (to access the section for the schedule, just click on "E: Project Plan and Cost Estimate", then click on "Prototyping Plan and Schedule" and the schedule section of the Gantt chart will appear.):

<https://www.wrike.com/workspace.htm?acc=4975842&wr=20#path=folder&id=758826668&vid=47240477>

## 1. Project Cost Spreadsheet

Project Cost Spreadsheet complete w Bill of Materials (BOM) in Appendix C.

### 3. List of Equipment

**Table 3** below lists the equipment that will be needed to fully complete the solution. It should be noted that the list not only includes equipment included in the final deliverable, but also equipment needed during development.

*Table 3 - List of Equipment*

Item Number	Equipment
1	Laptop with internet access
2	Code Blocks IDE ( <a href="https://www.codeblocks.org/downloads/binaries/">https://www.codeblocks.org/downloads/binaries/</a> )
3	UI/UX design software
4	Microsoft Power Tools Suite

### 4. Prototyping Test Plan

See Table 4 below for the prototyping test plan.

*Table 4 - Test Plan*

Test ID	Test Objective (Why)	Description of Prototype used and of Basic Test Method (What)	Description of Results to be Recorded and how these results will be used (How)	Estimated Test duration and planned start date (When)
1	Determine if Logic is functional for this application	CodeBlocks prototype, using different information and situations	Record information input, record information output and code behaviour	1 week 10/21/21 - 10/27/21
2	Determine if UI/UX is functional	Allow multiple users to use UI and ask questions about UX	Record questions, answers, and comments from users	11/04/21 - 11/11/21
3	Identifying which Power Apps can be used for websites, not just smartphone apps, and how.	Going to be used for prototype 2 to identify whether or not we can implement Power Apps into websites.		10/21/21 - 10/28/21

4	Check the running memory size of the software.	Make sure that the software's running memory is not too large, so that some customers cannot be downloaded.	Record the questions, comments of each customer.	10/24/21-10/31/21
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## Appendix A – Task Plan Update

Write Schedule, Task, and Assignment updates can be seen in below. Use the following link to access Wrike: <https://www.wrike.com/open.htm?id=761228072>

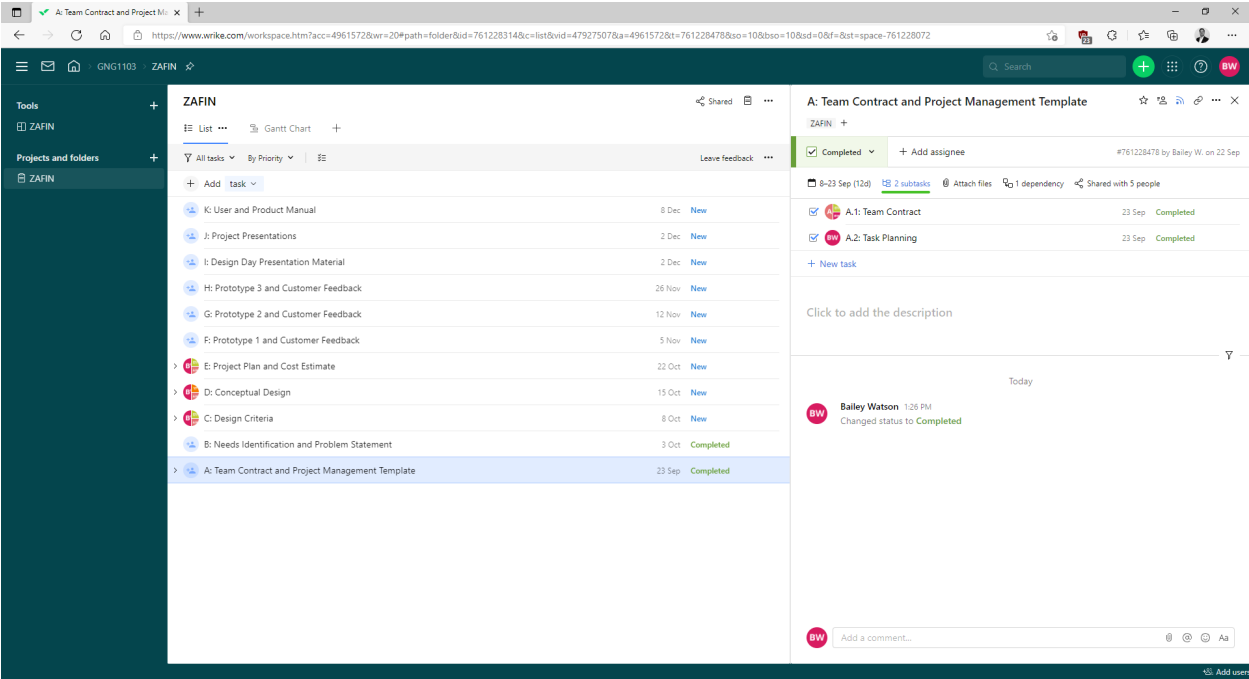


Figure 1 - Completed Tasks

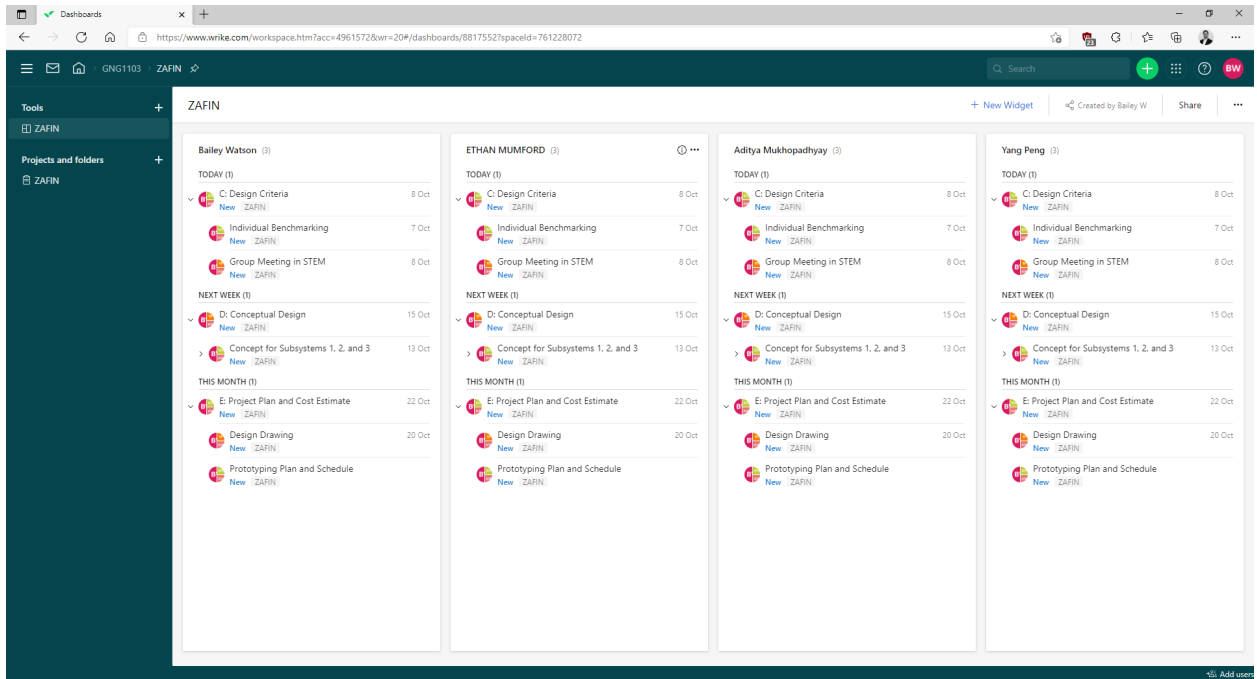


Figure 2 - Assigned Tasks

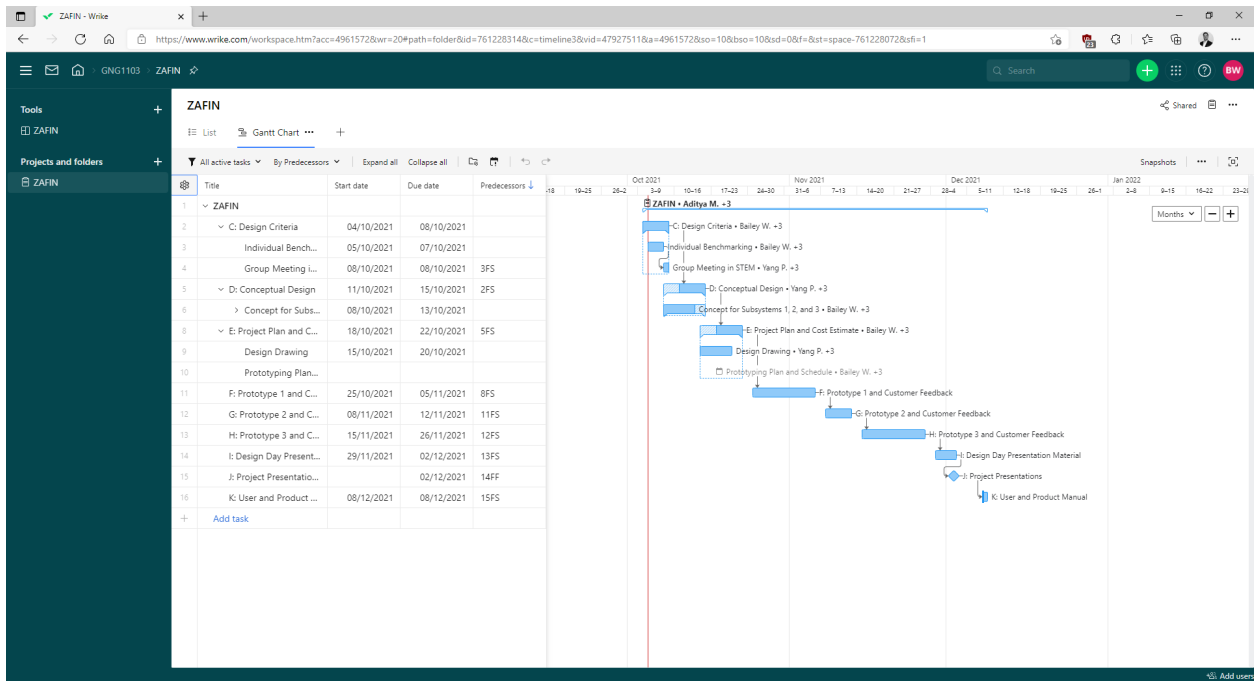
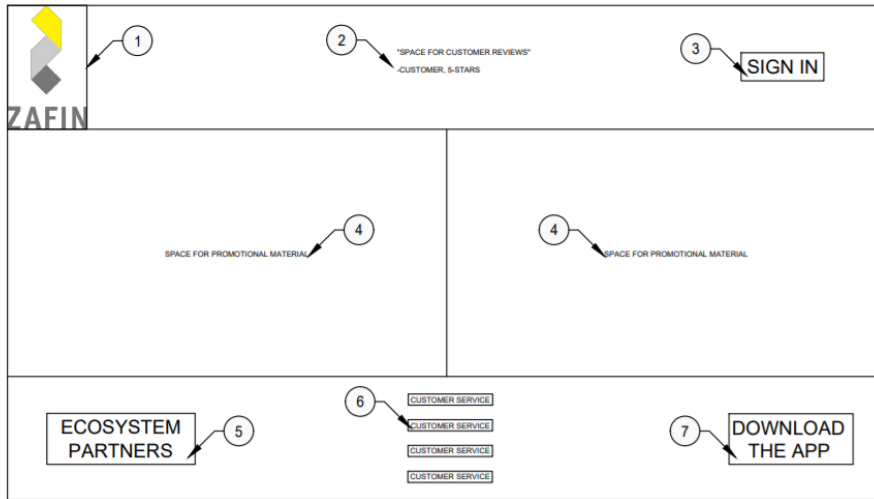


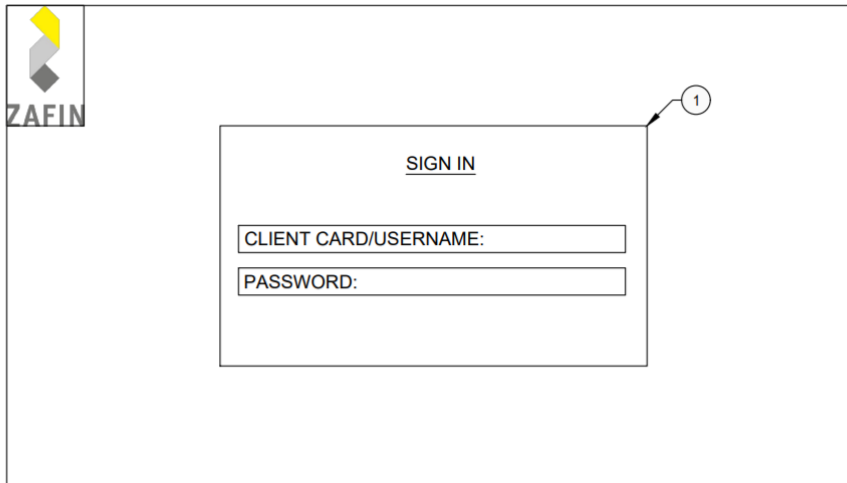
Figure 3 - Updated Gantt Chart with Added Detail

## Appendix B – Sketches



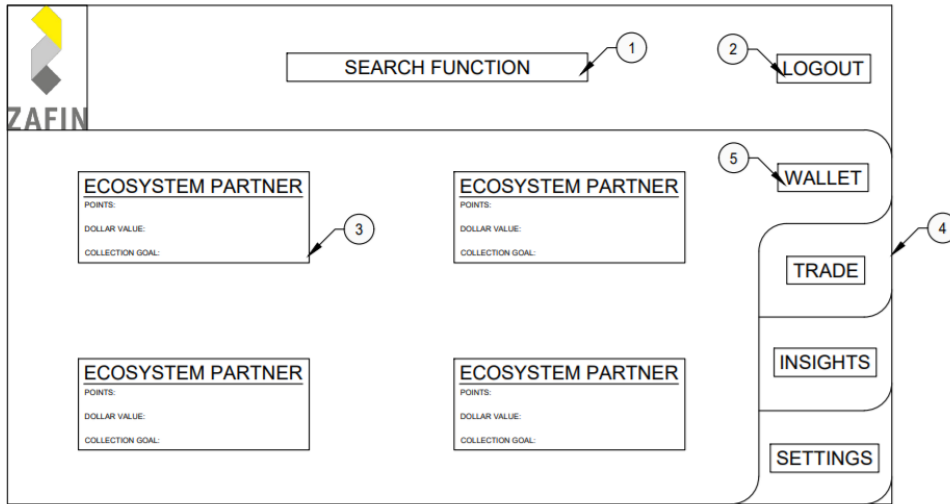
Δ VIEW 1 - HOME

PARTS LIST	
1	CLIENT LOGO
2	USER REVIEWS
3	SIGN IN BUTTON
4	PROMOTIONAL SPACE
5	ECOSYSTEM PARTNER DETAILS
6	CUSTOMER SERVICE/RESOURCES
7	LINK TO DOWNLOAD APP



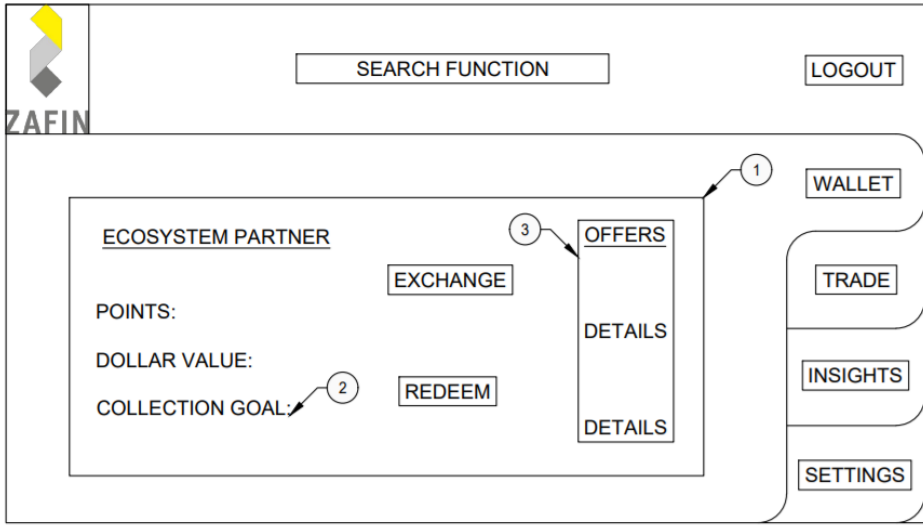
Δ VIEW 2 - SIGN IN

PARTS LIST	
1	USER LOGIN PORTAL



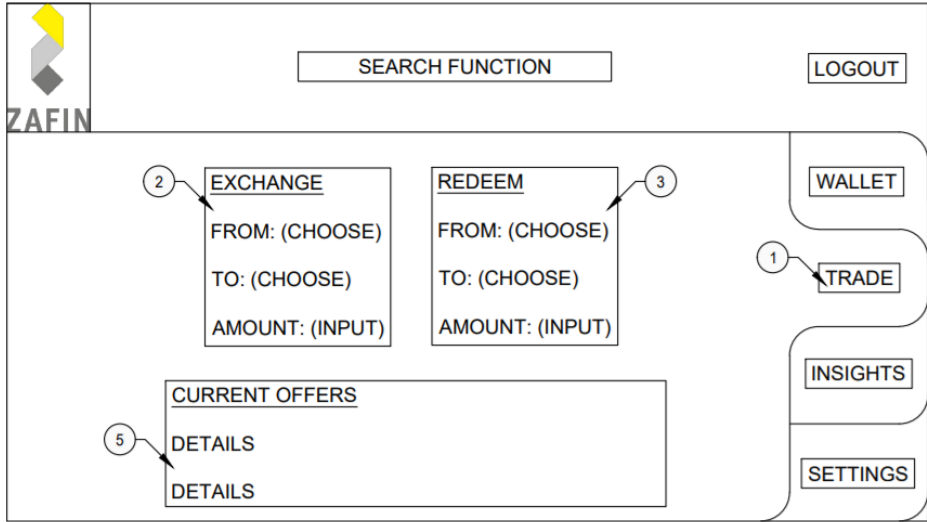
Δ VIEW 3 - DASHBOARD

PARTS LIST	
1	SERCH FUNCTION
2	LOGOUT BUTTON
3	POINT TRACKER. CLICK TO EXPAND. ONE PER ECOSYSTEM PARTNER.
4	TABS FOR EASE OF USE
5	WALLET TAB FOR TRACKING POINTS



Δ VIEW 4 - SPECIFIC DASHBOARD ITEM

PARTS LIST	
1	DETAILED VIEW OF POINTS ACCRUED FOR SPECIFIC ECOSYSTEM PARTNER (IF CLICKED ON FROM VIEW 3)
2	COLLECTION GOAL SET BY ECOSYSTEM PARTNER OR BANK
3	OFFERS FROM ECOSYSTEM PARTNER OR BANK



Δ VIEW 5- TRADE

PARTS LIST	
1	TRADE TAB FOR POINT TRANSFER
2	EXCHANGE FUNCTION. "FROM" AND "TO" ARE DROPDOWN MENUS. "AMOUNT" IS USER INPUT.
3	REDEEM FUNCTION.
4	CURRENT OFFERS FROM BANK OR ECOSYSTEM PARTNER



