Project Deliverable E: Project Schedule and Cost

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

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

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	Subsystems 2.1.5 and 2.1.6 will be a lower
finished.	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	Several operations and trials will be considered to
planned.	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 Gnatt chart will appear.):

https://www.wrike.com/workspace.htm?acc=4975842&wr=20#path=folder&id=758826668&vid=47240
477

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 (https://www.codeblocks.org/downloads/binaries/)
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

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

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: <u>https://www.wrike.com/open.htm?id=761228072</u>

A: Team Contract and Project	4: x +			– ø ×
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🖹 ZAFIN	+ Add task ~		🖹 8–23 Sep (12d) 🙁 2 subtasks 🕘 Attach files 🖓 1 dependency 🚓 Share	ed with 5 people
	🙁 K: User and Product Manual	8 Dec New	🕑 条 A.1: Team Contract	23 Sep Completed
	立 J: Project Presentations	2 Dec New	🕑 國 A.2: Task Planning	23 Sep Completed
	🙁 I: Design Day Presentation Material	2 Dec New	+ New task	
	🙁 H: Prototype 3 and Customer Feedback	26 Nov New		
	🙁 G: Prototype 2 and Customer Feedback	12 Nov New	Click to add the description	
	E: Prototype 1 and Customer Feedback	5 Nov New		
	Content of the second sec		¥	
	> 🕞 D: Conceptual Design	15 Oct New	Bailey Watron 1.36 RM	
	> 🛟 C: Design Criteria	8 Oct New	Changed status to Completed	
	B: Needs Identification and Problem Statement	3 Oct Completed		
	> 🤹 A: Team Contract and Project Management Template	23 Sep Completed		
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Figure 1 - Completed Tasks



Figure 2 - Assigned Tasks

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	8	Title	Start date	Due date	Predecessors J	Oct 2021		Nov 2021	Dec 2021	Jan 2	1022		
	1	~ ZAFIN				18 19-25 26-2 3-9	10-16 17-23 24-30 IN • Aditya M. +3	31-6 7-13 14-20 21-27 2	8-4 5-11 12-18 19-25	26-1 2	-8 9-15	16-22	23-21
	2	 C: Design Criteria 	04/10/2021	08/10/2021			-C: Design Criteria • Bailey W. +3				Mon	dhs 👻 💻	· [+]
	з	Individual Bench	05/10/2021	07/10/2021		—	ndividual Benchmarking • Bailey W	. +3					
	4	Group Meeting i	08/10/2021	08/10/2021	3FS	5	Group Meeting in STEM • Yang P.	+3					
	5	 D: Conceptual Design 	11/10/2021	15/10/2021	2FS	p i i i i i i i i i i i i i i i i i i i	-D: Conceptual Design •	Yang P. +3					
	6	> Concept for Subs	08/10/2021	13/10/2021			Concept for Subsystems 1	2, and 3 • Bailey W. +3					
	8	E: Project Plan and C	18/10/2021	22/10/2021	5FS		-E: Project Pla	an and Cost Estimate + Bailey W. +3					
	9	Design Drawing	15/10/2021	20/10/2021			Design Drawing	9 • Yang P. +3					
	10	Prototyping Plan					D Prototyping Plan a	nd Schedule • Bailey W. +3					
	-11	F: Prototype 1 and C	25/10/2021	05/11/2021	8FS		Č.	-F: Prototype 1 and Customer Feedba	ck.				
	12	G: Prototype 2 and C	08/11/2021	12/11/2021	11FS			-G: Prototype 2 and Custon	ter Feedback				
	13	H: Prototype 3 and C	15/11/2021	26/11/2021	12FS			H: Pr	ototype 3 and Customer Feedback				
	14	I: Design Day Present	29/11/2021	02/12/2021	13FS				-I: Design Day Presentation Materia				
	15	J: Project Presentatio		02/12/2021	14FF				-J: Project Presentations				
	16	K: User and Product	08/12/2021	08/12/2021	15FS				K: User and Product Man	lai			
	+	Add task											
												+8	Add users

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					

ZAFIN		
	<u>SIGN IN</u>	
	CLIENT CARD/USERNAME: PASSWORD:	

Δ VIEW 2 - SIGN IN

		PARTS LIST
ĺ	1	USER LOGIN PORTAL



Δ VIEW 3 - DASHBOARD











	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



3 SETTINGS TAB

Appendix C – Bill of Materials

Bill of Materials		
Item	Cost	Hyperlink to Item
CodeBlocks IDE	0\$	https://www.codeblocks.org/downloads/binaries/
MS Power Apps	0\$	https://powerapps.microsoft.com/en-ca/
MS Power BI	0\$	https://powerbi.microsoft.com/en-au/
Total		0\$