



Revolve Bank System

Course

CSC 225 – Fundamental Structures

Team Name

Scattered Spider

Team Members

Devin Knecht

Hien Nguyen

Lennox Magak

Amir Hosseini

Executive Summary

Your executive summary should resemble an elevator pitch: your motivation is to quickly persuade a decision maker to get involved in your project.

- What is the purpose of your project; what problem(s) does it address?
- Why is your project important; why is it relevant?
- Who could your project help; who is your audience or customer?

Revolve Bank project aims to create a banking system that will revolutionize the traditional money handling procedures. With Revolve banking system, customers will enjoy **a more secure** and **trustworthy** banking. The system aims to ensure that only the customers themselves, and the individuals they authorize plus certain bank officials can access their accounts. This security approach aims to reduce incidences such as the Bangladesh Bank heist that occurred in 2016.

The new banking system aims to provide customers with **more organized and responsible management** of their money and personal information. **Our ranks of staff** from the Bank teller to the Branch manager will be issued with access and functionality limitations to ensure achievement of the desired responsibility and management in the system.

Our new banking system will enable customers to transact money between themselves.

1. Send to
2. Request from.
3. Account deposit.

This **secure, more organized, and responsible approach** to banking, is relevant and important because it will:

1. Encourage the already banked members of the society to move to our system due to the advanced security.
2. Provide customers with proper and more responsible management of their capital, through our more organized accessibility hierarchy.

Timeline

Milestone	Name	Due Date
Milestone 1	Group Contract	Tuesday, January 23
Milestone 2	Project Plan and Proposal	Thursday, February 8
Milestone 3	Design & Pitch	Thursday, February 29
Milestone 4	Detailed Tasks	Tuesday, March 26
Milestone 5	Progress Presentation	Thursday, April 18
Milestone 6	Final Presentations	Friday, May 3

Milestone Summary

Milestone 1	Group Contract			
Item	Description	Estimated Hours	Actual Hours	Date Completed
Purpose	Create a final project team			
Summary & Self-organization:	Self-organize into groups of 3-4 students for working together on the semester project.	6	7	1/20/24
	All team members will need to complete the group contract and agree to its terms, holding each other accountable for contributing to the final project throughout the semester.			
Task M1A – Team Member Names	List all team members with full (first and last) names on the group contract document	1	1	1/20/24
Task M1B – Team Name	Come up with a name for the group/team to be addressed as during presentations; list the name on the group contract document	1	1	1/21/24
Task M1C – Weekly Meeting Time	Block off an hour of time once per week when all team members could regularly meet as necessary throughout the semester; list the time in the group contract document	1	1	1/21/24
Task M1D – Signatures	Each team member signs the group contract document (this may be a digital signature or initials)	1	1	1/21/24
Task M1E – Planning Document	Complete the cover page of the planning document, fill in the date each milestone task was completed in the milestone summary, and detail the additional milestone activities in the Milestone Summary section (insert new rows into the table).	2	2	1/21/24
	Milestone 1 Tasks’ summary.			
	Milestone 1: Group Contract. Summary of tasks.			
		Milestone Task	Date completed	
	Self-Organization :	Members to find themselves from the entire team.	Jan 20 th	

	Sub-task 1: From Acquaintances to Friends (Additional activity 1)	Members to take time to know each other deeper.	Jan 20 st	
	Task M1A – Team Member Names	Listing team member names in the contract document	Jan 20 th	
	Task M1B – Team Name	Coming up with the team’s name:	Jan 21 st	
	Task M1C – Weekly Meeting Time	Blocking off Weekly meeting time.	Jan 21 st	
	Task M1D – Signatures	Signing the Contract	Jan 21 st	
Milestone 2	Project Plan and Proposal			
Item	Description	Estimated Hours	Actual Hours	Date Completed
Purpose	Determine final project topic			
Summary	As a group, choose a topic all team members want to work on; discuss potential ideas and come to a group consensus what your project will be and why it is important.	10	12	01/29/24
Task M2A – Project Proposal Document	Complete the project proposal document	1	1	01/31/24
Task M2B – Presentation	Present the project proposal to the class	1	1	2/7/24
Task M2C – Planning Document	Complete the executive summary section of the planning document, fill in the date each milestone task was completed in the milestone summary, and detail the additional milestone activities in the Milestone Summary section (insert new rows into the table).	8	10	2/7/24
	Milestone 2 Tasks’ Summary			

	Sub-task 2 : Debating top 2 project ideas. (Additional activity 2)	Top 2 project topics discussion :	Jan 28 th		
	Summary :	Settle on one topic:	Jan 29 th		
	Task M2A – Project Proposal Document	Fill in the proposal document	Feb 3 rd		
	Task M2B – Presentation	Do the presentation	Feb 7 th		
	Task M2C – Planning Document	Do the milestone summary.	Feb 7 th		
Milestone 3	Design and Pitch				
Item	Description	Estima ted Hours	Actual Hours	Date Completed	
Purpose	Create a general look-and-feel for your project, present your project to the class				
Summary (Totals)	Determine how you want your final project deliverables to look, including color scheme, graphics/images, and placement and layout of major components (e.g. buttons, input fields, data, instructions, etc.). Armed with your project proposal and design mockups, show the class what you plan to accomplish with your project. Think of the class as potential investors or contributors; why should they care about your project?	10	15	2/27/24	
Task M3A – Major Components	Create a list of major components that will be included in your project (e.g. input/output, images, instructions, etc.)	4	8	2/11/24	
Task M3B – Color Scheme	Create a color scheme for your project for a consistent design	1	1	2/14/24	
Task M3C – Design Mockups	Create design mockups (use lorem ipsum filler text, at least basic boxes/shapes if not actual design) to show the planned layout of project deliverables, including any major pages/screens that will be included in the final project	2	3	2/20/24	
Task M3D – Presentation	Pitch the project to the class	1	1	2/26/24	
Task M3E – Planning Document	Include screenshots of all design mockups, list of components (labeled for easy identification), screenshots of the project pitch presentation, fill in the date each milestone task was completed in the milestone summary, and detail	2	2	2/27/24	

the additional milestone activities in the Milestone Summary section (insert new rows into the table).

Milestone 3 Tasks' Summary.

Milestone 3: Project Design and Pitch. Summary of tasks.		
	Milestone Task	Date completed
Task M3A – Major Components	Create a list of major components.	Feb 11 th
Task M3B – Color Scheme	Create a color scheme!	Feb 14 th
Task M3C – Design Mockups	Create design Mockups	Feb 20 th

Screenshots and List of Design Mockups of Components.

1. Revolve Bank Logo



2. Customer Graphical User Interface.

CUSTOMER NAME'S BALANCE: \$1250.00

Transactions

Loans

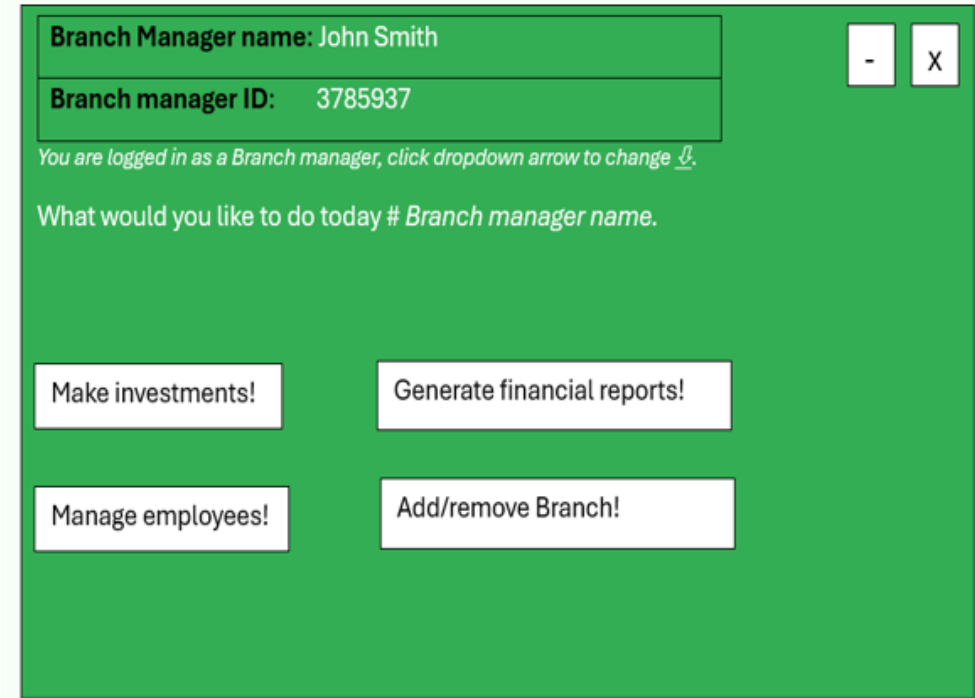
More

Shopping	Feb 26,2024	-\$100.00
Uber	Feb 26,2024	-\$15.00
Food	Feb 25,2024	-\$24.00
Book	Feb 24,2024	-\$31.90
Shopping	Feb 23,2024	-\$150.00
Deposit	Feb 21,2024	-\$200.00
Transfer	Feb 15,2024	-\$50.00

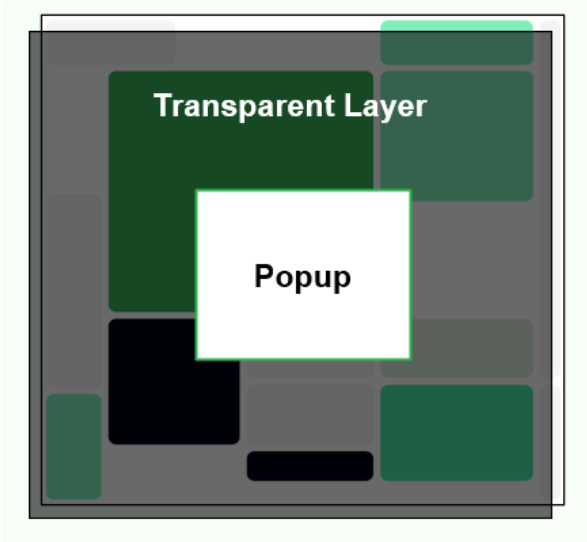
3. Teller/ Local manager GUI (Subject to change)

Open New Account**Search:****Print Account's Information**

4. Branch Manager UI



5. Popups Graphical look: (Subject to change)



Task M3D – Presentation	Pitch the project to the class:	Feb 26 th
Task M3E – Planning Document	Do the milestone summary	Feb 26 th
There were no additional Milestone activity during this milestone.		

Milestone 4	Detailed Task List																		
Item	Description	Estimated Hours	Actual Hours	Date Completed															
Purpose	Plan the remaining tasks required to complete the project																		
Summary & Detailed Task List	As a team, figure out what needs to happen in order to take the project from its current design and planning stage through implementation to completion. Break down each major component of the project to estimate how much work you think it will take to complete, and what detailed tasks/actions will need to be performed for each.	6	10	3/20/24															
Task M4A – Gantt Chart	Create a Gantt chart showing a detailed task breakdown with expected due dates and assigned team members	6	10	3/23/24															
Task M4B – Presentation	Present your Gantt chart and task list to the class	1	1	3/26/24															
Task M4C – Planning Document	Include a screenshot of the Gantt chart, fill in the date each milestone task was completed in the milestone summary, and detail the additional milestone activities in the Milestone Summary section (insert new rows into the table).	1	2	3/26/24															
	Milestone 4 Summary.																		
	<table><tr><th colspan="3">Milestone 4: Work Planning. Summary of tasks.</th></tr><tr><th></th><th>Milestone Task</th><th>Date completed</th></tr><tr><td>Sub-task 1: (Additional Milestone activity One)</td><td>Team lead to provide a written summary of the Milestone requirements to help members prepare for discussion 1.</td><td>March 15th</td></tr><tr><td>Sub-task 2: (Additional Milestone activity two)</td><td>Team lead to provide detailed agenda for exactly</td><td>March 17th</td></tr><tr><td>Group Summary: And detailed list of tasks.</td><td>Group to meet and discuss what needs to happen through the Milestone and break down major components into smaller</td><td>March 20th</td></tr></table>				Milestone 4: Work Planning. Summary of tasks.				Milestone Task	Date completed	Sub-task 1: (Additional Milestone activity One)	Team lead to provide a written summary of the Milestone requirements to help members prepare for discussion 1.	March 15 th	Sub-task 2: (Additional Milestone activity two)	Team lead to provide detailed agenda for exactly	March 17 th	Group Summary: And detailed list of tasks.	Group to meet and discuss what needs to happen through the Milestone and break down major components into smaller	March 20 th
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		detailed and actionable tasks.																																																																																					
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	Task M4B- Presentation	Presentation of Gantt chart and task List to the Class.	March 26 th																																																																																				
	Task M4C- Update Planning document	Team Lead to update the planning document, make necessary uploads and inform Damian.	March 26th																																																																																				
	<div><p>Gantt Chart Screenshot.</p><div><div><h3>Revolve Bank</h3><p>Gantt Chart</p><table><thead><tr><th>TASK</th><th>ASSIGNED TO</th><th>PROGRESS</th><th>START</th><th>END</th></tr></thead><tbody><tr><td colspan="5">Foundational Development</td></tr><tr><td>bankAccount</td><td>Devin</td><td>0%</td><td>3/28/24</td><td>3/29/24</td></tr><tr><td>bankCustomer</td><td>Hien</td><td>0%</td><td>3/30/24</td><td>4/1/24</td></tr><tr><td>bankTeller</td><td>Amir</td><td>0%</td><td>3/30/24</td><td>4/1/24</td></tr><tr><td>bankManager</td><td>Devin</td><td>0%</td><td>4/2/24</td><td>4/3/24</td></tr><tr><td>bankBranch</td><td>Lennox</td><td>0%</td><td>4/4/24</td><td>4/6/24</td></tr><tr><td colspan="5">GUI Development</td></tr><tr><td>Navigation</td><td>Lennox</td><td>0%</td><td>4/7/24</td><td>4/14/24</td></tr><tr><td>bankCustomer</td><td>Hien</td><td>0%</td><td>4/7/24</td><td>4/14/24</td></tr><tr><td>bankTeller</td><td>Amir</td><td>0%</td><td>4/7/24</td><td>4/14/24</td></tr><tr><td>bankManager</td><td>Devin</td><td>0%</td><td>4/7/24</td><td>4/14/24</td></tr><tr><td>Popup System</td><td>Devin</td><td>0%</td><td>4/9/24</td><td>4/16/24</td></tr><tr><td colspan="5">Last Touches</td></tr><tr><td>Database System</td><td>Devin</td><td>0%</td><td>4/16/24</td><td>4/20/24</td></tr><tr><td>Password System</td><td>Lennox</td><td>0%</td><td>4/16/24</td><td>4/20/24</td></tr><tr><td>Testing</td><td>All</td><td>0%</td><td>4/16/24</td><td>4/20/24</td></tr></tbody></table></div><div><p>Project start: Tue, 3/26/2024</p><p>Display week: 1</p></div></div></div>			TASK	ASSIGNED TO	PROGRESS	START	END	Foundational Development					bankAccount	Devin	0%	3/28/24	3/29/24	bankCustomer	Hien	0%	3/30/24	4/1/24	bankTeller	Amir	0%	3/30/24	4/1/24	bankManager	Devin	0%	4/2/24	4/3/24	bankBranch	Lennox	0%	4/4/24	4/6/24	GUI Development					Navigation	Lennox	0%	4/7/24	4/14/24	bankCustomer	Hien	0%	4/7/24	4/14/24	bankTeller	Amir	0%	4/7/24	4/14/24	bankManager	Devin	0%	4/7/24	4/14/24	Popup System	Devin	0%	4/9/24	4/16/24	Last Touches					Database System	Devin	0%	4/16/24	4/20/24	Password System	Lennox	0%	4/16/24	4/20/24	Testing	All	0%	4/16/24
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Milestone 5	Progress Presentation			
Item	Description	Estima ted Hours	Actual Hours	Date Completed
Purpose	Provide the class with a project status update			
Summary	Show the class (client) what work has been completed toward the final project deliverables.			
Task M5A – Presentation	Present your work progress to the class			
Task M5B – Planning Document	Include screenshots of your presentation, fill in the date each milestone task was completed in the milestone summary, and detail the additional milestone activities in the Milestone Summary section (insert new rows into the table).			

Milestone 6		Final Presentation		
Item	Description	Estimated Hours	Actual Hours	Date Completed
Purpose	Show your completed project to the class			
Summary	Share your hard work over the course of the semester with the class.			
Task M6A – Presentation	Present your completed project to the class			
Task M6B – Planning Document	Include screenshots of your final project deliverables and presentation, fill in the date each milestone task was completed in the milestone summary, and detail the additional milestone activities in the Milestone Summary section (insert new rows into the table).			

Resource List

Resource Name	
URL	
Date Accessed	
Notes	
Resource Name	
URL	
Date Accessed	
Notes	
Resource Name	
URL	
Date Accessed	
Notes	
Resource Name	
URL	
Date Accessed	
Notes	
Resource Name	

URL	
Date Accessed	
Notes	