



Software Engineering

Section: A

Charity Donation System

Submitted to:

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Submitted by:

Group 03

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[Exercise 6 to 9]

6. Project Planning

Project Name: Charity Donation System		Test Designed by: Md. Mamunur Rahman Moon		
Test Case ID: FR_1		Test Designed Date: 12-08-2022		
Test Priority (Low, Medium, High): Medium		Test Executed by:		
Module Name: Login Session		Test Execution Date:		
Test Tittle: verify login with valid phone no and password				
Description: Test website login page				
Precondition (If any): User must have valid phone no and password				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
i. Go to the website ii. Enter phone no iii. Enter password iv. Click log in	Phone no: mamaunurrahmanmoon@gmail.com Password:*****	User should login into the application	Logged in	Pass
Post Condition: User is validated with database and successfully login to account. The account session details are logged in the database.				

Project Name: Charity Donation System		Test Designed by: Md. Mamunur Rahman Moon		
Test Case ID: FR_8		Test Designed Date: 12-08-2022		
Test Priority (Low, Medium, High): Medium		Test Executed by:		
Module Name: Basic Information		Test Execution Date:		
Test Title: verify seeker request				
Description: Test website user information as seeker				
Precondition (If any): User must have valid phone no and password				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
i. Go to the website ii. After log in the enter basic information of seeker iii. Click submit	Name: Moon Address: C-4/108,Banani Phone Number: 01797682334 E-mail: mamaunurrahmanmoon@gmail.com Duration: 2 month Payment: 25000 Payment type: Mobile Banking	Seeker Info is saved		
Post Condition: The seeker info is successfully saved in database & their ad is published in the charity donation system homepage.				

Project Name: Charity Donation System		Test Designed by: Md. Mamunur Rahman Moon		
Test Case: FR_9		Test Designed Date: 12-08-2022		
Test Priority (Low, Medium, High): Medium		Test Executed by:		
Module Name: Donator Info		Test Execution Date:		
Test Title: verify the donor can donate				
Description:				
Precondition (If any): User must have valid phone no and password				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
i. Go to the website ii. Log-In iii. Check news feed iv. Click donate	Name: Moon Address: B-block, Bashundhara Phone Number: 01797682334 Email: mamaunurrahmanmoon@gmail.com Payment Type: Mobile Banking	Donor will find their interested field if available		
Post Condition: Donor with valid info will find their donation & their info is saved to the admin database				

Project Name: Charity Donation System		Test Designed by: Md. Mamunur Rahman Moon		
Test Case ID: FR_10		Test Designed Date: 12-08-2022		
Test Priority (Low, Medium, High): Medium		Test Executed by:		
Module Name: Admin Session		Test Execution Date:		
Test Title: verify Admin work				
Description: Test website admin activity				
Precondition (If any): User must have valid phone no and password				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
i. Go to the website ii. Admin Dashboard iii. Check the needed pages iv. Click submit	✓ Check log in page ✓ Check borrower info ✓ Check renter info ✓ Emergency contact	Admin should check all the pages		
Post Condition: Admin can take needed actions				

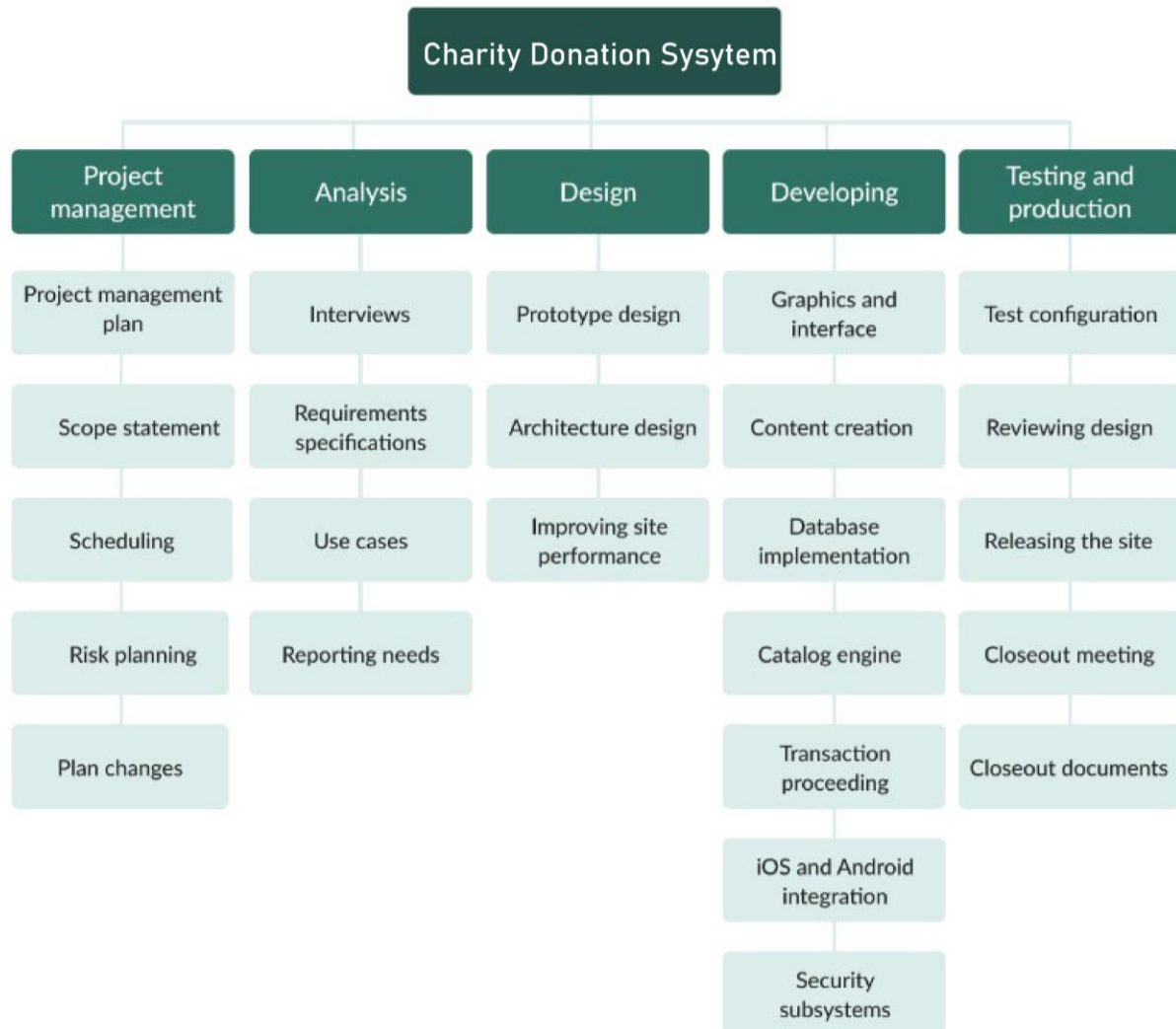
Project Name: Charity Donation System		Test Designed by: Md. Mamunur Rahman Moon		
Test Case ID: FR_11		Test Designed Date: 12-08-2022		
Test Priority (Low, Medium, High): Medium		Test Executed by:		
Module Name: Volunteer Session		Test Execution Date:		
Test Title: verify volunteer work				
Description: Test volunteer will get all the information about donation campaign				
Precondition (If any): Staff must have valid phone no and password				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
i. Go to the website ii. Enter phone no iii. Enter Password iv. Check Product Status v. Have info of Borrower vi. Click submit	Phone no: 01797682334 Password:***** Check Product delivery: Borrower Name: Mir Address: 21 No road, sector-7, Uttara Condition: Well Payment: Bkash	Volunteer must get the information of donation campaign		
Post Condition: Staff deliver the product & admin get notified				

Project Name: Charity Donation System	Test Designed by: Md. Mamunur Rahman Moon
Test Case: FR_12	Test Designed Date: 23-11-2021
Test Priority (Low, Medium, High): Medium	Test Executed by:
Module Name: Emergency Contact	Test Execution Date:
Test Title: If Emergency fill a form	
Description: If any problem gives a detail of it	
Precondition (If any): User must have valid phone no & password	

Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
i. Go to the website ii. Emergency Contact iii. Click submit	User Name: Emon Service holder Name: Moon Emergency type: Car Complain Details: Donation not received in scheduled time	Admin get notified		
Post Condition: User complain will valid if admin finds it true after notified				

7. WBS & Effort estimation:

Work Breakdown Structure:



Effort Estimation (using Function Point Method):

Serial no	Function Category	Count	Complexity			Complexity (count * simple)
			Simple	Average	Complex	
<u>1</u>	Number of user input	10	03	04	06	30
<u>2</u>	Number of user output	05	04	05	07	20
<u>3</u>	Number of user queries	08	03	04	06	24
<u>4</u>	Number of data files and relationship files	30	07	10	15	210
<u>5</u>	Number of external interfaces	4	05	07	10	20
(Gross Function Point) GFP						304

8. Activity Scheduling

Activity Scheduling is done by Microsoft Project.

	Name ▾	Duration ▾	Start ▾	Finish ▾	% complete ▾	Priority ▾
1	○ ▼ Planning	5.25 days	8/15/2022	8/22/2022	<div><div></div></div> 0%	🔴 Urgent
2	○ Scope statement	2 days	8/15/2022	8/17/2022	<div><div></div></div> 0%	! Important
3	○ Scheduling	1 day	8/18/2022	8/18/2022	<div><div></div></div> 0%	🔴 Urgent
4	○ Risk planing	2 days	8/18/2022	8/19/2022	<div><div></div></div> 0%	! Important
5	○ Plan changes	2 days	8/19/2022	8/22/2022	<div><div></div></div> 0%	🟢 Medium
6	○ ▼ Analysis	43 days	8/23/2022	10/20/2022	<div><div></div></div> 0%	! Important
7	○ Interviews	2 days	8/23/2022	8/24/2022	<div><div></div></div> 0%	🟢 Medium
8	○ Requirement Specification	1 day	8/25/2022	8/25/2022	<div><div></div></div> 0%	🟢 Medium
9	○ Use cases	2 days	8/26/2022	8/29/2022	<div><div></div></div> 0%	! Important
10	○ Reporting needs	2 days	8/30/2022	8/31/2022	<div><div></div></div> 0%	⬇ Low
	Name ▾	Duration ▾	Start ▾	Finish ▾	% complete ▾	Priority ▾
11	○ ▼ Design	34 days	9/5/2022	10/20/2022	<div><div></div></div> 0%	🔴 Urgent
12	○ Prototype Design	5 days	9/5/2022	9/9/2022	<div><div></div></div> 0%	! Important
13	○ Architecture design	3 days	9/9/2022	9/13/2022	<div><div></div></div> 0%	! Important
14	○ improving Site performance	4 days	9/19/2022	9/22/2022	<div><div></div></div> 0%	! Important
15	○ ▼ Developing	20 days	9/23/2022	10/20/2022	<div><div></div></div> 0%	🔴 Urgent
16	○ Graphics and interface	6 days	9/23/2022	9/30/2022	<div><div></div></div> 0%	! Important
17	○ Content Creation	5 days	9/30/2022	10/6/2022	<div><div></div></div> 0%	! Important
18	○ Database implementation	3 days	10/7/2022	10/11/2022	<div><div></div></div> 0%	! Important
19	○ catalog engine	2 days	10/11/2022	10/12/2022	<div><div></div></div> 0%	🟢 Medium
20	○ Transaction Processing	18 days	9/27/2022	10/20/2022	<div><div></div></div> 0%	🔴 Urgent
21	○ ios and android integration	10 days	9/23/2022	10/6/2022	<div><div></div></div> 0%	🟢 Medium
22	○ ▼ Testing and production	14 days	9/23/2022	10/12/2022	<div><div></div></div> 0%	🔴 Urgent
23	○ Test Configaration	6 days	9/23/2022	9/30/2022	<div><div></div></div> 0%	🔴 Urgent
24	○ reviewing Design	5 days	9/30/2022	10/6/2022	<div><div></div></div> 0%	! Important
25	○ Realese site	3 days	10/7/2022	10/11/2022	<div><div></div></div> 0%	! Important
26	○ Closeout meeting	2 days	10/11/2022	10/12/2022	<div><div></div></div> 0%	! Important
27	○ Closeout Documents	8 days	9/30/2022	10/11/2022	<div><div></div></div> 0%	! Important

Project Start At: 15/08/2022

Project End At: 11/10/2022

Activity Scheduling done based on WBS structure.

Risk Analysis

Risks in the development of charitable donation system initiatives:

- 1. Governance:** Governance risks might include charity trustees that are unaware of or not fulfilling their duties, significant board turnover, conflict on a board, improperly managed conflicts of interest, a lack of pertinent policies, improper implementation of agreed-upon policies, and a lack of policy reviews. If the charity trustees do not carefully evaluate the legal structure and bylaws of the organization and determine if they are appropriate for their intended purposes, there may be a considerable governance risk.
- 2. Strategic:** Any danger that could hinder or delay a nonprofit organization from accomplishing its goals is considered a strategic risk. Examples include failing to keep costs under control or failing to comprehend the resources required for a certain project or service that the charity wants to provide.
- 3. Operational:** Operational risks include the unavailability of volunteers or employees for duty or the inability of volunteers or employees who have only been trained for one job to fill in for another volunteer or employee in the case of an absence. Another operational risk is a lack of preparation in the event that charity facilities are damaged and become inoperable for a while.
- 4. Financial:** Financial hazards include failing to meet regulations for financial management and reporting, keeping conservative financial reserves, making plans to meet future demands, and failing to accurately analyze and comprehend the charity's financial viability. Potential hazards for the charity include failing to understand funder priorities, submitting funding proposals with inadequate communication, or missing funding application deadlines.
- 5. Environmental:** Risks associated with a shift in the general environment in which the charity operates, such as a change in government policy that has an impact on the organization, are referred to as environmental or external risks. For instance, if the government were to scale back or terminate such programs, it might have an impact on a charity that depends on them. The loss of support for the charity as a result of negative publicity created by another organization would be another example of environmental risk.
- 6. Reputational:** In general, charities rely largely on their reputation. The charity should think about the real and perceived effects of its choices, making sure that every choice is in the charity's best interests and serves its philanthropic goal. The reputation of the charity and the charity trustees may suffer if all of the risks within the organization are not properly identified, assessed, and managed.