

Green University of Bangladesh Department of Computer Science and Engineering (CSE)

Faculty of Sciences and Engineering Semester: (Fall, Year:2023), B.Sc. in CSE (Day)

Lab Report NO.: 02

Course Title: Software Testing & Quality Assurance Lab.

Course Code: CSE 454 Section: D-8

Lab Experiment Name: Design test cases for your software for doing usability and integrity testing.

Student Details

	Name	ID
1.	S.M. Owadud Rahman Shohan	201002194

Lab Date : 20.10.23 Submission Date : 27.10.23

Course Teacher's Name : Mr. Montaser Abdul Quader

Lab Report Status	
Marks:	Signature:
Comments:	Date:

1. <u>TITLE OF THE LAB REPORT EXPERIMENT</u>: Design test cases for your software for doing usability and integrity testing.

2. OBJECTIVES/AIM:

- To Design test cases for your software.
- To be familiar with software Operation factor.
- To be familiar with software Integrity, Usability testing.
- **3. PROCEDURE / ANALYSIS:** Testing my project donation website and management system for usability and integrity is essential to ensure it functions correctly, securely, and meets the needs of its users. Below are some test cases for both usability and integrity testing:

Usability Testing:

User Login:

- Verify that users can log in successfully.
- Test for failed login attempts and appropriate error messages.

User Registration:

- Test the registration process for simplicity and clarity.
- Ensure users can create an account without errors.

Donation Submission:

- Evaluate the process of submitting a donation.
- Ensure that it is straightforward and user-friendly.

Add needy people:

- Evaluate the process of add needy people.
- Ensure that it is straightforward and user-friendly.

Contract Process Feedback:

- Collect user feedback on the donation process.
- Check if users find it easy to provide comments and suggestions.

Integrity Testing:

Data Validation:

- Test for input validation on donation forms.
- Attempt to submit data that doesn't conform to expected formats.

Data Integrity:

- Verify that donated amounts and donor details are stored correctly.
- Check for data corruption during storage.

Data Security:

- Test the system's security measures for data protection.
- Attempt to access donor data without proper authorization.

4. <u>IMPLEMENTATION OF TEST CASES</u>:

Usability Testing:

User Login:

Project Name:	Donation Website and	Management System					
Module Name:	User Login						
Created By:		Shohan, ID: 201002194					
•							
Test Case ID	Test Scenario	Test Case	Pre-condition	Test Steps	Expected Result	Optained Result	Status
		F . V. 11 1 . 11		1. Enter Email Address			
TC_Login_01	Verify the login of site	Enter Valid email address	Have a valid user	2. Enter Password	Successful Login	Funding Dashboard	Successful
		and valid password		3. Click "Login" Button			
		Enter Valid email address		Enter Email Address	A	A	
TC_Login_02	Verify the login of site	and invalid password	Have a valid user	2. Enter Password		A message:"Wrong email and password!" is shown	Successful
		and invalid password		3. Click "Login" Button	and password: is snown	and password! is snown	
		Enter invalid email		Enter Email Address	A message:"Please	A message:"Please	
TC_Login_03	Verify the login of site	address	Have a valid user	2. Enter Password	include an '@' in the	include an '@' in the email address" is shown	Successful
·		and valid password		3. Click "Login" Button	email address" is shown		
	Verify the login of site	Enter invalid email		1. Enter Email Address	A message:"Please	A message:"Please	Successful
TC_Login_04		address	Have a valid user	2. Enter Password	include an '@' in the	include an '@' in the	
		and invalid password		3. Click "Login" Button	email address" is shown	email address" is shown	
	Verify the login of site	Enter valid email address and invalid password		1. Enter Email Address	A message:"Wrong email and password!" is shown	1	
TC_Login_05			Have a invalid user	2. Enter Password			Successful
		•		3. Click "Login" Button	and password: is snown		
		Enter invalid email		1. Enter Email Address	A message:"Please	A message:"Please	Successful
TC_Login_06	Verify the login of site	address	Have a invalid user	2. Enter Password	include an '@' in the	include an '@' in the	
		and invalid password		3. Click "Login" Button	email address" is shown	email address" is shown	
		Enter invalid email		1. Enter Email Address	A message:"Wrong email	A message:"Wrong email	
TC_Login_07	Verify the login of site	address	Have a invalid user	2. Enter Password	and password!" is shown		Successful
		and valid password		3. Click "Login" Button	*	•	
				1. Enter Email Address	A message:"If you don't	A message:"If you don't	
TC_Login_08	Verify the login of site	Enter valid email address	Have a valid user	2. Enter Password	have an account? Please	have an account? Please	Successful
10_20800	, oring and rogin or one	but not enter password	114/0 4 74110 4501		contact with the Admin	contact with the Admin	5 444455141
				3. Click "Login" Button	" is shown	" is shown	
		Enter valid password		1. Enter Email Address	-	A message:"Please fill out	
TC_Login_09	Verify the login of site	but not enter Email	Have a valid user	2. Enter Password	this field	this field	Successful
		address		3. Click "Login" Button	" is shown	" is shown	
		Enter valid password		1. Enter Email Address	-	A message:"Please fill out	
TC_Login_10	Verify the login of site	but not enter Email	Have a invalid user	2. Enter Password	this field	this field	Successful
		address		3. Click "Login" Button	" is shown	" is shown	

<u>User Registration</u>:

Project Name: Module Name:	Donation Website and M	anagement System					
Created By:	User Registration S.M. Owadud Rahman Sl	nohan, ID: 201002194					
210utou 251							
Test Case ID	Test Scenario	Test Case	Pre-condition	Test Steps	Expected Result	Optained Result	Status
				Enter User name			
ΓC_Reg_01	Vanifer the negistration	Enter user name, valid email		2. Enter Email address			
	Verify the registration of site	address, valid phone number,	Have a valid user	3. Enter phone number	Successful Submit	User List	Successful
	of site	gender, and password		Enter Gender Enter Password			
				6. Click "Submit" Button			
				Enter User name			
		Enter valid email address, valid		2. Enter Email address			
a b	Verify the registration	phone number, gender,		3. Enter phone number			
C_Reg_02	of site	and password but not enter user	Have a valid user	4. Enter Gender	Not Submit	Not Submit	Successful
		name		5. Enter Password			
				6. Click "Submit" Button			
				Enter User name			
	XX 10 4	Enter user name, invalid email		Enter Email address			
C_Reg_03	Verify the registration	address, valid phone number,	Have a valid user	3. Enter phone number	Not Submit	Not Submit	Successful
	of site	gender, and valid password		4. Enter Gender	-		
				Enter Password Click "Submit" Button			
				Click Submit Button Enter User name			
				Enter Oser hame Enter Email address			
a 5	Verify the registration	Enter user name, valid email		Enter Email address Enter phone number	1	t Not Submit	_
C_Reg_04	of site	of site address, invalid phone number,	Have a valid user	4. Enter Gender	Not Submit		Successful
			gender, and valid password		5. Enter Password		
				6. Click "Submit" Button			
				Enter User name		Not Submit	
	Verify the registration of site	address valid phone number and	Have a valid user	Enter Email address	Not Submit		
C_Reg_05				3. Enter phone number			Successful
				4. Enter Gender			
				Enter Password Click "Submit" Button			
				Enter User name			
	Verify the registration of site	address valid phone number and	Have a valid user	Enter Email address	Not Submit	Not Submit	
~ ~ ~ .				Enter phone number			
C_Reg_06				4. Enter Gender			Successful
				5. Enter Password			
				6. Click "Submit" Button			
				Enter User name			
	Verify the registration of site	Enter user name, invalid email address, invalid phone number, gender, and password	Have a valid user	Enter Email address	Not Submit	Not Submit	
C_Reg_07				3. Enter phone number			Successful
				4. Enter Gender			
				Enter Password Click "Submit" Button			
				Enter User name			
				Enter Email address			
C Dec 00	Verify the registration	Enter valid email address, valid	11	3. Enter phone number	N-+ C 1	N-4 C. 1	C C 1
C_Reg_08	of site	phone number, but not enter gender, user name and password	Have a valid user	4. Enter Gender	Not Submit	Not Submit	Successful
		genuer, user manie and password		5. Enter Password			
				6. Click "Submit" Button			
				1. Enter User name			
	Varify the resistant	Enter user name, valid email		2. Enter Email address			
C_Reg_09	Verify the registration of site	address, valid phone number, but	Have a valid user	Enter phone number Enter Gender	Not Submit	Not Submit	Successful
	OI SILC	not enter gender and password		5. Enter Password			
				6. Click "Submit" Button	1		
				Enter User name			
		Enter conder visit 1 - 43		2. Enter Email address			
C_Reg_10	Verify the registration	Enter gender, valid email address, valid phone number, but not enter	Have a valid user	3. Enter phone number	Not Submit	Not Submit	Successful
C_RCg_10	of site	user name and password	mave a valid user	4. Enter Gender	Not Submit	INOL SUBIIIL	Successiul
		user name and password		5. Enter Password			
				6. Click "Submit" Button			
				Enter User name Enter Email address			
	Verify the registration	Enter gender, valid phone number,		Enter Email address Enter phone number			
C_Reg_11	of site	user name, password and valid	Have a valid user	Enter phone number Enter Gender	Not Submit	Not Submit	Successful
	of site	email address twice.		Enter Gender Enter Password			
				6. Click "Submit" Button			

Donation Submission:

Project Name: Module Name:	Donation Website and Ma Donation Submission	nagement System					
Created By:	S.M. Owadud Rahman Sh	ohan, ID: 201002194					
		·	_	_	_		
Test Case ID	Test Scenario	Test Case	Pre-condition	Test Steps 1. Enter User name	Expected Result	Optained Result	Status
		Enter user name,		Enter User name Enter Email address			
	XX : C . 1	valid email address,		3. Enter Gender			
TC_DS_01	Verify the donation	gender, and payment	Have a valid user	4. Enter payment method	Daymont Suggessful	Home page	Successful
	submission of site	details(Payment method, card/acc	have a valid user	5. Enter Card/Bank acc number	Payment Successful	(Donor list)	Successiui
	of site	number, pin number,		6. Enter Pin number			
		Amount)		7. Enter Amount			
				Click "PAY NOW" Button Enter User name			
		Enter valid email address, gender, and		Enter Email address			
	Verify the donation	payment		3. Enter Gender	A message:"Please	A	
C_DS_02	submission	details(Payment	Have a valid user	4. Enter payment method	fill out the name	A message:"Please fill out the name	Successful
0_55_02	of site	method, card/acc		5. Enter Card/Bank acc number	field" is shown	field" is shown	
		number, pin number, Amount) but not		Enter Pin number Enter Amount			
		enter user name.		8. Click "PAY NOW" Button			
		Enter user name,		Enter User name			
		invalid email		2. Enter Email address			
	Verify the donation	address, gender, and		3. Enter Gender	A message:"please	A message:"please	
TC_DS_03	submission	payment	Have a valid user	Enter payment method Enter Card/Bank acc number	include '@' in email	include '@' in email	Successful
	of site	details(Payment method, card/acc		Enter Card/Bank acc number Enter Pin number	address" is shown	address" is shown	Succession
		number, pin number,		7. Enter Amount			
		Amount)		8. Click "PAY NOW" Button			
		Enter valid email		1. Enter User name			
	Verify the donation submission	address, user name,		Enter Email address		A message:"Please fill out the gender field" is shown	Successful
		and payment	Have a valid user	3. Enter Gender	A message:"Please fill out the gender field" is shown		
C_DS_04		submission details(Payment		Enter payment method Enter Card/Bank acc number			
		of site method, card/acc number, pin number,		6. Enter Pin number			
		Amount) but not		7. Enter Amount			
		enter gender.		8. Click "PAY NOW" Button			
	Verify the donation submission of site	Enter user name,		1. Enter User name			Failed
		valid email address, gender, and payment		2. Enter Email address		Home page (Donor list)	
				3. Enter Gender	A message:"Please fill out the amount		
C_DS_05				Enter payment method Enter Card/Bank acc number			
		number, pin number,		6. Enter Pin number	field" is shown	(Dollor list)	
		but not enter	,	7. Enter Amount			
		Amount)		8. Click "PAY NOW" Button			
				1. Enter User name			
	Verify the donation submission	Enter user name, valid email address,	Have a valid user	2. Enter Email address	Payment not Successful	Home page (Donor list)	Failed
		gender, and payment		Enter Gender Enter payment method			
C_DS_06		submission details(Payment of site method, invalid		Enter payment method Enter Card/Bank acc number			
	of site			6. Enter Pin number			
		card/acc number, pin		7. Enter Amount			
		number, Amount)		8. Click "PAY NOW" Button			
		Enter user name,		1. Enter User name			
		valid email address,		2. Enter Email address		Home pege	
	Verify the donation	gender, and payment		Enter Gender Finter payment method			
C_DS_07	submission	details(Payment	Have a invalid user	Enter payment method Enter Card/Bank acc number	Payment Successful	Home page (Donor list)	Successful
	of site	method, card/acc number, pin number,		6. Enter Pin number		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
		Amount)		7. Enter Amount			
		, , , , , , , , , , , , , , , , , , ,		8. Click "PAY NOW" Button			
		Enter valid email		Enter User name Enter Empil address			
		address, gender, and		Enter Email address Enter Gender			
G DG 00	Verify the donation	payment details(Payment		Enter Gender Enter payment method	A message:"Please	A message:"Please	
C_DS_08	submission	method, card/acc	Have a invalid user	5. Enter Card/Bank acc number	fill out the name	fill out the name	Successfu
	of site	number, pin number,		6. Enter Pin number	field" is shown	field" is shown	
		Amount) but not		7. Enter Amount			
		enter user name.		8. Click "PAY NOW" Button			
		Enter user name,		Enter User name Enter Empil address			
		invalid email address, gender, and		Enter Email address Enter Gender			
2G DG 00	Verify the donation	payment		Enter Gender Enter payment method	A message:"please	A message:"please	
C_DS_09	submission	details(Payment	Have a invalid user	5. Enter Card/Bank acc number	include '@' in email address" is shown	include '@' in email	Successful
	of site	method, card/acc		6. Enter Pin number	audiess is shown	address" is shown	
		number, pin number,	7. Enter Amount				

Add needy people:

Project Name:	Donation Website and Mana	gement System					
Iodule Name:	Add needy people						
Created By:	S.M. Owadud Rahman Shoh	an, ID: 201002194					
Test Case ID	Test Scenario	Test Case	Pre-condition	Test Steps	Expected Result	Optained Result	Status
		2000 00000		1. Enter name		· ·	2 111122
				2. Enter Gender			
	X7 'C .1 1 1 11	Enter name, gender,		3. Enter NID			
C_NP_01	Verify the needy people add	nid, phone number, address and reason	Have a valid user	4. Enter phone number	Submit Successful	Successfully store in	Successful
	of site	for add.		5. Enter address		people list	
		Tor add.		6. Enter reason			
				7. Click "Submit" Button			
				1. Enter name			
		Enter gender, nid,		2. Enter Gender			
	Verify the needy people add	phone number,		3. Enter NID		Successfully store in	
C_NP_02	of site	address and reason	Have a valid user	4. Enter phone number	Submit Successful	people list	Successful
		for add but not add		5. Enter address			
		name.		6. Enter reason			
				7. Click "Submit" Button			
				Enter name Enter Gender			
		Enter name, nid,		3. Enter NID			Successful
C ND 02	Verify the needy people add	phone number,	TT 11	4. Enter phone number	0.1.7.0	Successfully store in people list	
C_NP_03	of site	address and reason	Have a valid user	5. Enter address	Submit Successful		
				6. Enter reason			
				7 Cli 1 lig 1 - ili D			
	Verify the needy people add of site	reason for add but	dress and for add but Have a valid user dd phone	7. Click "Submit" Button 1. Enter name		Successfully store in people list	
				2. Enter Gender			
				3. Enter NID	Submit Successful		
C_NP_04				4. Enter phone number			Successful
0_1,12_0.				5. Enter address			Successian
				6. Enter reason			
				7. Click "Submit" Button			
	Verify the needy people add			1. Enter name		Successfully store in people list	
				2. Enter Gender	Submit Successful		
		Enter name, gender,	Have a valid user	3. Enter NID			
C_NP_05	of site	nid, phone number and reason for add		4. Enter phone number			Successful
	of site	but not add address.		5. Enter address			
				6. Enter reason			
				7. Click "Submit" Button			
				1. Enter name			Successful
		Enter name, gender,		2. Enter Gender			
	Verify the needy people add	phone number and		Enter NID Enter phone number		Successfully store in	
C_NP_06	of site	reason for add but	Have a valid user	5. Enter address	Submit Successful	people list	
		not add nid.		6. Enter reason			
				7. Click "Submit" Button			
				Enter name Enter Gender			
		Enter name, gender,		3. Enter NID			
C_NP_07	Verify the needy people add	nid, phone number,	Have a valid user	4. Enter phone number	Submit Successful	Successfully store in	Successful
C_1 11 _0/	of site	but not add reason	marc a valid usel	5. Enter address	Suomit Successiul	people list	Buccessiul
		for add.		6. Enter reason			
				7. Click "Submit" Button			
				Enter name			
		Enter nid, phone		2. Enter Gender			
	X7 10 4	number, address and		3. Enter NID			
C_NP_08	Verify the needy people add	reason for add but	Have a valid user	4. Enter phone number	Submit Successful	Successfully store in	Successful
	of site	not add gender and		5. Enter address		people list	
		name.		6. Enter reason			
				7. Click "Submit" Button			

Contract Process Feedback:

Project Name:	Donation Website and Ma	nagement System					
Module Name:	Let's contract						
Created By:	S.M. Owadud Rahman Sh	ohan, ID: 201002194					
Test Case ID	Test Scenario	Test Case	Pre-condition	Test Steps	Expected Result	Optained Result	Status
Test Case ID	Test Section	Test Case	11c-condition	1. Enter name	Expected Result	Optanicu Result	Status
		Enter name, email,		2. Enter Email			
TC_Q_01	Verify the contract	subject, and	Have a valid user	3. Enter Subject	Submit Successful	Successfully store in	Successful
10_Q_01	of site	question.	Have a valid user	4. Enter Question	Submit Successiti	question list	Successiui
		question.		5. Click "Send Message" Button			
				Enter name			
		Enter email, subject,		2. Enter Email			
TC_Q_02	Verify the contract	and question but not	Have a valid user	3. Enter Subject	Submit Successful	Successfully store in question list	Successful
	of site and question but enter name.	of site	a Trave a valid user	4. Enter Question	Sasim Successiui		
				5. Click "Send Message" Button			
	Verify the contract of site	and question but not		1. Enter name	Submit Successful	Successfully store in question list	Successful
				2. Enter Email			
TC_Q_03				3. Enter Subject			
				4. Enter Question			
				5. Click "Send Message" Button			
		Verify the contract of site Enter name, email and question but not enter subject.	Have a valid user	Enter name	Submit Successful	Successfully store in question list	Successful
	77 10 1			2. Enter Email			
ГС_Q_04				3. Enter Subject			
	of site			4. Enter Question			
				5. Click "Send Message" Button			
				Enter name			
	Verify the contract	Enter name, email,		2. Enter Email		Cusassafullu stans in	
TC_Q_05	•	subject but not enter	Have a valid user	3. Enter Subject	Submit Successful	Successfully store in question list	Successful
-	of site	question.		4. Enter Question		question list	
				5. Click "Send Message" Button			
				1. Enter name			
	Verify the contract	Not enter name,		2. Enter Email		Successfully store in	
TC_Q_06	of site	email, subject, just	Have a valid user	3. Enter Subject	Submit Successful	Successfully store in question list	Successful
	OI SILE	enter question.		4. Enter Question			
				5. Click "Send Message" Button			

Integrity Testing:

Data Validation:

Project Name: Module Name:	Donation Website and Man Data Validation Donation F							
Created By:	S.M. Owadud Rahman Shol							
Tool C- T	Tr -4 C '	To-4 C	Duo3***	T4 C4-	Ermo-4-JP "	Ontoin-JP "	C4-4-	
Test Case ID	Test Scenario	Test Case	Pre-condition	Test Steps 1. Enter User name	Expected Result	Optained Result	Status	
		Enter user name,		2. Enter Email address				
TC_DV_01		valid email address, gender, and payment		3. Enter Gender				
	Verify the donation Form	details(Payment	Have a valid user	Enter payment method Enter Card/Bank acc number	Payment Successful	Home page	Successful	
	of site	method, card/acc		6. Enter Pin number		(Donor list)		
		number, pin number, Amount)		7. Enter Amount				
		, anount)		8. Click "PAY NOW" Button				
		Enter valid email		1. Enter User name				
		address, gender, and		Enter Email address Enter Gender	-			
TC DV 02	Verify the donation Form	payment details(Payment		Enter payment method	A message:"Please	A message:"Please		
TC_DV_02	of site	method, card/acc	Have a valid user	5. Enter Card/Bank acc number	fill out the name field" is shown	fill out the name field" is shown	Successful	
		number, pin number, Amount) but not		Enter Pin number Enter Amount	-			
		enter user name.		8. Click "PAY NOW" Button	-			
				Click PAT NOW Button Enter User name				
		Enter user name, invalid email		2. Enter Email address				
		address, gender, and		3. Enter Gender	A message:"please	A message:"please		
TC_DV_03	Verify the donation Form	payment	Have a valid user	Enter payment method Enter Card/Bank acc number	include '@' in email	include '@' in email	Successful	
	of site	details(Payment method, card/acc		6. Enter Pin number	address" is shown	address" is shown		
		number, pin number,		7. Enter Amount				
		Amount)		8. Click "PAY NOW" Button				
		Enter valid email		1. Enter User name	_			
		address, user name,		2. Enter Email address		ler fill out the gender		
	Verify the donation Form of site	and payment details(Payment	Have a valid user	Enter Gender Enter payment method	A message:"Please			
TC_DV_04		of site method, card/acc number, pin number,		5. Enter Card/Bank acc number	fill out the gender field" is shown		Successful	
				6. Enter Pin number	neid is snown			
		Amount) but not enter gender.		7. Enter Amount	-			
		-		Click "PAY NOW" Button Enter User name				
	Verify the donation Form of site		s, nt Have a valid user	Enter Email address	A message:"Please fill out the amount field" is shown			
				3. Enter Gender		Home page (Donor list)		
TC_DV_05				4. Enter payment method			Failed	
10_2 1_03				5. Enter Card/Bank acc number6. Enter Pin number				
				7. Enter Amount				
				8. Click "PAY NOW" Button				
		E-t		1. Enter User name				
	Verify the donation Form of site	Enter user name, valid email address,	Have a valid user	Enter Email address Enter Conden	Payment not Successful	Home page (Donor list)		
		nation Form gender, and payment		Enter Gender Enter payment method				
TC_DV_06				5. Enter Card/Bank acc number			Failed	
				6. Enter Pin number				
		number, Amount)		7. Enter Amount	_			
				Click "PAY NOW" Button Enter User name				
		Enter user name,		Enter Oser haine Enter Email address				
		valid email address, gender, and payment		3. Enter Gender				
TC_DV_07	Verify the donation Form	details(Payment	Have a invalid user	Enter payment method Enter Card/Bank acc number	Payment Successful	Home page	Successful	
	of site	method, card/acc		6. Enter Pin number	-	(Donor list)		
		number, pin number, Amount)		7. Enter Amount				
		2 mount)		8. Click "PAY NOW" Button				
		Enter valid email		Enter User name Finter Email address	_			
		address, gender, and		Enter Email address Enter Gender	-			
TC DV 00	Verify the donation Form	payment details(Payment		4. Enter payment method	A message:"Please	A message:"Please	e e.:	
TC_DV_08	of site	method, card/acc	Have a invalid user	5. Enter Card/Bank acc number	fill out the name field" is shown	fill out the name field" is shown	Successful	
		number, pin number,		Enter Pin number Enter Amount		2000 WII		
		Amount) but not enter user name.			-			
		Enter user name,		Click "PAY NOW" Button Enter User name				
		invalid email		Enter Email address	1			
		address, gender, and		3. Enter Gender	A message:"please	A message:"please		
TC_DV_09	Verify the donation Form	payment datails/Payment	Have a invalid user	Enter payment method Finter Card/Pank and number	include '@' in email	include '@' in email	Successful	
	of site	details(Payment method, card/acc		 Enter Card/Bank acc number Enter Pin number 	address" is shown	address" is shown		
		number, pin number,		7. Enter Amount	1			
	num	Amount)			8. Click "PAY NOW" Button			

Data Integrity:

	Data Integrity Donation F S.M. Owadud Rahman Sho Test Scenario Verify the donation submission of site Verify the donation submission of site Verify the donation submission of site		Pre-condition Have a valid user Have a valid user	Test Steps 1. Enter User name 2. Enter Email address 3. Enter Gender 4. Enter payment method 5. Enter Card/Bank acc number 6. Enter Pin number 7. Enter Amount 8. Click "PAY NOW" Button 1. Enter User name 2. Enter Email address 3. Enter Gender 4. Enter payment method 5. Enter Card/Bank acc number 6. Enter Pin number 7. Enter Amount 8. Click "PAY NOW" Button 1. Enter User name 2. Enter Email address 3. Enter Gender 4. Enter Pin number 7. Enter Amount 8. Click "PAY NOW" Button 1. Enter User name 2. Enter Email address 3. Enter Email address 3. Enter Gender	Expected Result Donated amounts and donor details are stored correctly. A message: "Please fill out the name field" is shown	Optained Result Home page (Donor list) A message:"Please fill out the name field" is shown	Status Successful		
Test Case ID TC_DI_01 TC_DV_02 TC_DV_03	Verify the donation submission of site Verify the donation submission of site Verify the donation submission of site	Test Case Enter user name, valid email address, gender, and payment details(Payment method, card/acc number, pin number, Amount). Donated amounts and donor details are stored Enter user name, valid email address, gender, and payment method, card/acc number, pin number, Amount). Donated amounts and donor details are stored enter user name, valid email address, gender, and payment details are stored enter user name, valid email address, gender, and payment details(Payment method, card/acc number, pin number, Amount). Donated amounts and donor	Have a valid user	1. Enter User name 2. Enter Email address 3. Enter Gender 4. Enter payment method 5. Enter Card/Bank acc number 6. Enter Pin number 7. Enter Amount 8. Click "PAY NOW" Button 1. Enter User name 2. Enter Email address 3. Enter Gender 4. Enter payment method 5. Enter Card/Bank acc number 6. Enter Pin number 7. Enter Amount 8. Click "PAY NOW" Button 1. Enter User name 2. Enter Email address 3. Enter Gender 3. Enter Email address 3. Enter Email address 3. Enter User name 4. Enter Email address 5. Enter Email address 6. Enter Email address 7. Enter Email address 8. Enter Email address 9. Enter Email address	Donated amounts and donor details are stored correctly. A message:"Please fill out the name	Home page (Donor list) A message:"Please fill out the name	Successful		
TC_DI_01 TC_DV_02 TC_DV_03	Verify the donation submission of site Verify the donation submission of site Verify the donation submission of site	Enter user name, valid email address, gender, and payment method, card/acc number, pin number, Amount). Donated amounts and donor details are stored enter user name, valid email address, gender, and payment details(Payment method, card/acc number, pin number, pin number, Amount). Donated amounts and donor details are stored enter user name, valid email address, gender, and payment details(Payment method, card/acc number, pin number, pin number, pin number, Amount). Donated amounts and donor details are stored enter user name, valid email address, gender, and payment method, card/acc number, pin number, Amount). Donated amounts and donor	Have a valid user	1. Enter User name 2. Enter Email address 3. Enter Gender 4. Enter payment method 5. Enter Card/Bank acc number 6. Enter Pin number 7. Enter Amount 8. Click "PAY NOW" Button 1. Enter User name 2. Enter Email address 3. Enter Gender 4. Enter payment method 5. Enter Card/Bank acc number 6. Enter Pin number 7. Enter Amount 8. Click "PAY NOW" Button 1. Enter User name 2. Enter Email address 3. Enter Gender 3. Enter Email address 3. Enter Email address 3. Enter User name 4. Enter Email address 5. Enter Email address 6. Enter Email address 7. Enter Email address 8. Enter Email address 9. Enter Email address	Donated amounts and donor details are stored correctly. A message:"Please fill out the name	Home page (Donor list) A message:"Please fill out the name	Successful		
TC_DV_02 TC_DV_03	submission of site Verify the donation submission of site Verify the donation submission of site	valid email address, gender, and payment details(Payment method, card/acc number, pin number, Amount). Donated amounts and donor details are stored enter user name, valid email address, gender, and payment details(Payment method, card/acc number, pin number, Amount). Donated amounts and donor details are stored Enter user name, valid email address, gender, and payment details(Payment method, card/acc number, pin number, pin number, pin number, pin number, Amount). Donated amounts and donor details (Payment method, card/acc number, pin number, Amount). Donated amounts and donor	Have a valid user	2. Enter Email address 3. Enter Gender 4. Enter payment method 5. Enter Card/Bank acc number 6. Enter Pin number 7. Enter Amount 8. Click "PAY NOW" Button 1. Enter User name 2. Enter Email address 3. Enter Gender 4. Enter payment method 5. Enter Card/Bank acc number 6. Enter Pin number 7. Enter Amount 8. Click "PAY NOW" Button 1. Enter User name 2. Enter Email address 3. Enter Gender 4. Enter Email address 3. Enter Gender	and donor details are stored correctly. A message:"Please fill out the name	(Donor list) A message: "Please fill out the name			
C_DV_02	submission of site Verify the donation submission of site Verify the donation submission of site	gender, and payment details(Payment method, card/acc number, pin number, Amount). Donated amounts and donor details are stored Enter user name, valid email address, gender, and payment method, card/acc number, pin number, Amount). Donated amounts and donor details are stored enter user name, valid email address, gender, and payment details(Payment method, card/acc number, pin number, pin number, pin number, pin number, Amount). Donated amounts and donor	Have a valid user	3. Enter Gender 4. Enter payment method 5. Enter Card/Bank acc number 6. Enter Pin number 7. Enter Amount 8. Click "PAY NOW" Button 1. Enter User name 2. Enter Email address 3. Enter Gender 4. Enter payment method 5. Enter Card/Bank acc number 6. Enter Pin number 7. Enter Amount 8. Click "PAY NOW" Button 1. Enter User name 2. Enter Email address 3. Enter Gender	and donor details are stored correctly. A message:"Please fill out the name	(Donor list) A message: "Please fill out the name			
C_DV_02 C_DV_03	submission of site Verify the donation submission of site Verify the donation submission of site	details(Payment method, card/acc number, pin number, Amount). Donated amounts and donor details are stored enter user name, valid email address, gender, and payment method, card/acc number, pin number, Amount). Donated amounts and donor details are stored enter user name, valid email address, gender, and payment details(Payment method, card/acc number, pin number, pin number, Amount). Donated amounts and donor details are stored enter user name, valid email address, gender, and payment details(Payment method, card/acc number, pin number, Amount). Donated amounts and donor	Have a valid user	4. Enter payment method 5. Enter Card/Bank acc number 6. Enter Pin number 7. Enter Amount 8. Click "PAY NOW" Button 1. Enter User name 2. Enter Email address 3. Enter Gender 4. Enter payment method 5. Enter Card/Bank acc number 6. Enter Pin number 7. Enter Amount 8. Click "PAY NOW" Button 1. Enter User name 2. Enter Email address 3. Enter Gender	and donor details are stored correctly. A message:"Please fill out the name	(Donor list) A message: "Please fill out the name			
C_DV_02 C_DV_03 C_DV_04	Verify the donation submission of site Verify the donation submission of site	number, pin number, Amount). Donated amounts and donor details are stored Enter user name, valid email address, gender, and payment details(Payment method, card/acc number, pin number, Amount). Donated amounts and donor details are stored Enter user name, valid email address, gender, and payment details(Payment method, card/acc number, pin number, Amount). Donated amounts and donor	Have a valid user	5. Enter Card/Bank acc number 6. Enter Pin number 7. Enter Amount 8. Click "PAY NOW" Button 1. Enter User name 2. Enter Email address 3. Enter Gender 4. Enter payment method 5. Enter Card/Bank acc number 6. Enter Pin number 7. Enter Amount 8. Click "PAY NOW" Button 1. Enter User name 2. Enter Email address 3. Enter Gender	details are stored correctly. A message:"Please fill out the name	(Donor list) A message: "Please fill out the name			
C_DV_03	Verify the donation submission of site Verify the donation submission of site	Amount). Donated amounts and donor details are stored Enter user name, valid email address, gender, and payment method, card/acc number, pin number, Amount). Donated amounts and donor details are stored Enter user name, valid email address, gender, and payment details(Payment method, card/acc number, pin number, Amount). Donated amounts and donor		6. Enter Pin number 7. Enter Amount 8. Click "PAY NOW" Button 1. Enter User name 2. Enter Email address 3. Enter Gender 4. Enter payment method 5. Enter Card/Bank acc number 6. Enter Pin number 7. Enter Amount 8. Click "PAY NOW" Button 1. Enter User name 2. Enter Email address 3. Enter Gender	correctly. A message:"Please fill out the name	A message:"Please fill out the name	Successful		
C_DV_03	submission of site Verify the donation submission of site	amounts and donor details are stored Enter user name, valid email address, gender, and payment details(Payment method, card/acc number, pin number, Amount). Donated amounts and donor details are stored Enter user name, valid email address, gender, and payment details(Payment method, card/acc number, pin number, Amount). Donated amounts and donor details are details are stored enter user name, valid email address, gender, and payment details (Payment method, card/acc number, pin number, Amount). Donated amounts and donor		7. Enter Amount 8. Click "PAY NOW" Button 1. Enter User name 2. Enter Email address 3. Enter Gender 4. Enter payment method 5. Enter Card/Bank acc number 6. Enter Pin number 7. Enter Amount 8. Click "PAY NOW" Button 1. Enter User name 2. Enter Email address 3. Enter Gender	A message:"Please fill out the name	fill out the name	Successful		
C_DV_03	submission of site Verify the donation submission of site	details are stored Enter user name, valid email address, gender, and payment details(Payment method, card/acc number, pin number, Amount). Donated amounts and donor details are stored Enter user name, valid email address, gender, and payment details(Payment method, card/acc number, pin number, Amount). Donated amounts and donor		8. Click "PAY NOW" Button 1. Enter User name 2. Enter Email address 3. Enter Gender 4. Enter payment method 5. Enter Card/Bank acc number 6. Enter Pin number 7. Enter Amount 8. Click "PAY NOW" Button 1. Enter User name 2. Enter Email address 3. Enter Gender	fill out the name	fill out the name	Successful		
C_DV_03	submission of site Verify the donation submission of site	valid email address, gender, and payment details(Payment method, card/acc number, pin number, Amount). Donated amounts and donor details are stored Enter user name, valid email address, gender, and payment details(Payment method, card/acc number, pin number, Amount). Donated amounts and donor		Enter User name Enter Email address Enter Gender Enter payment method Enter Card/Bank acc number Enter Pin number Enter Amount Click "PAY NOW" Button Enter User name Enter Email address Enter Gender	fill out the name	fill out the name	Successful		
C_DV_03	submission of site Verify the donation submission of site	gender, and payment details(Payment method, card/acc number, pin number, Amount). Donated amounts and donor details are stored. Enter user name, valid email address, gender, and payment details(Payment method, card/acc number, pin number, Amount). Donated amounts and donor		3. Enter Gender 4. Enter payment method 5. Enter Card/Bank acc number 6. Enter Pin number 7. Enter Amount 8. Cick "PAY NOW" Button 1. Enter User name 2. Enter Email address 3. Enter Gender	fill out the name	fill out the name	Successful		
C_DV_03	submission of site Verify the donation submission of site	details(Payment method, card/acc number, pin number, Amount). Donated amounts and donor details are stored enter user name, valid email address, gender, and payment details(Payment method, card/acc number, pin number, Amount). Donated amounts and donor		Enter payment method Enter Card/Bank acc number Enter Pin number Enter Amount Click "PAY NOW" Button Enter User name Enter Email address Enter Gender	fill out the name	fill out the name	Successful		
C_DV_03	submission of site Verify the donation submission of site	method, card/acc number, pin number, Amount). Donated amounts and donor details are stored Enter user name, valid email address, gender, and payment details(Payment method, card/acc number, pin number, Amount). Donated amounts and donor		Enter Card/Bank acc number Enter Pin number Enter Amount Click "PAY NOW" Button Enter Liser name Enter Email address Enter Gender	fill out the name	fill out the name	Successful		
C_DV_03	Verify the donation submission of site	Amount). Donated amounts and donor details are stored. Enter user name, valid email address, gender, and payment details(Payment method, card/acc number, pin number, Amount). Donated amounts and donor	Have a valid user	6. Enter Pin number 7. Enter Amount 8. Click "PAY NOW" Button 1. Enter User name 2. Enter Email address 3. Enter Gender		field" is shown			
C_DV_04	submission of site	amounts and donor details are stored Enter user name, valid email address, gender, and payment details(Payment method, card/acc number, pin number, Amount). Donated amounts and donor	Have a valid user	7. Enter Amount 8. Click "PAY NOW" Button 1. Enter User name 2. Enter Email address 3. Enter Gender					
C_DV_04	submission of site	details are stored Enter user name, valid email address, gender, and payment details(Payment method, card/acc number, pin number, Amount). Donated amounts and donor	Have a valid user	Click "PAY NOW" Button Enter User name Enter Email address Enter Gender					
C_DV_04	submission of site	valid email address, gender, and payment details(Payment method, card/acc number, pin number, Amount). Donated amounts and donor	Have a valid user	Enter User name Enter Email address Enter Gender					
C_DV_04	submission of site	gender, and payment details(Payment method, card/acc number, pin number, Amount). Donated amounts and donor	Have a valid user	Enter Email address Enter Gender					
C_DV_04	submission of site	details(Payment method, card/acc number, pin number, Amount). Donated amounts and donor	Have a valid user						
C_DV_04	submission of site	method, card/acc number, pin number, Amount). Donated amounts and donor	Have a valid user						
C_DV_04	of site	number, pin number, Amount). Donated amounts and donor	nave a valid user	4. Enter payment method	A message:"please	A message:"please	C		
		Amount). Donated amounts and donor		5. Enter Card/Bank acc number	include '@' in email address" is shown	include '@' in email address" is shown	Successful		
	Verify the donation	amounts and donor		6. Enter Pin number	address is snown				
	Verify the donation	details are stored		7. Enter Amount					
	Verify the donation	Enter user name		8. Click "PAY NOW" Button					
	Verify the donation	valid email address,		1. Enter User name	A message:"Please fill out the gender field" is shown	A message:"Please fill out the gender field" is shown			
	Verify the donation	gender, and payment		2. Enter Email address			Successful		
	Verify the donation submission of site	details(Payment		Enter Gender Enter payment method					
C_DV_05		method, card/acc	Have a valid user	Enter Payment method Enter Card/Bank acc number					
C_DV_05		number, pin number,		6. Enter Pin number					
C_DV_05		Amount). Donated		7. Enter Amount					
C_DV_05		amounts and donor		8. Click "PAY NOW" Button					
C_DV_05	Verify the donation submission of site	details are stored Enter user name,		1. Enter User name					
C_DV_05		valid email address,		2. Enter Email address					
C_DV_05		gender, and payment details(Payment		3. Enter Gender	A message:"Please fill out the amount field" is shown	**	Failed		
		method, card/acc	Have a valid user	Enter payment method		Home page			
		number, pin number,		5. Enter Card/Bank acc number		(Donor list)			
		Amount). Donated		6. Enter Pin number					
		amounts and donor		7. Enter Amount 8. Click "PAY NOW" Button					
		details are stored Enter user name,		Enter User name					
	Verify the donation submission of site	valid email address,		Enter Email address	Payment not Successful	Home page (Donor list)			
		gender, and payment		3. Enter Gender					
7 DV 06		details(Payment	** **	4. Enter payment method			Failed		
C_DV_06		method, card/acc number, pin number,	Have a valid user	5. Enter Card/Bank acc number					
		Amount). Donated		6. Enter Pin number					
		amounts and donor		7. Enter Amount					
		details are stored		8. Click "PAY NOW" Button					
		Enter user name,		1. Enter User name					
		valid email address, gender, and payment		2. Enter Email address					
	Verify the donation	details(Payment		Enter Gender Forter payment method	Donated amounts				
C_DV_07	submission	method, card/acc	Have a invalid user	Enter payment method Enter Card/Bank acc number	and donor	Home page	Successful		
	of site	number, pin number,		Enter Card/Bank acc number Enter Pin number	details are stored correctly.	(Donor list)			
		Amount). Donated		7. Enter Amount	correctly.				
		amounts and donor							
		details are stored Enter user name,		Click "PAY NOW" Button Enter User name					
		valid email address,		Enter User name Enter Email address					
		gender, and payment		Enter Email address Enter Gender					
	Verify the donation	details(Payment		Enter payment method	A message:"Please	A message:"Please			
C_DV_08	submission	method, card/acc	Have a invalid user	5. Enter Card/Bank acc number	fill out the name	fill out the name	Successful		
	of site	number, pin number,		6. Enter Pin number	field" is shown	field" is shown			
		Amount). Donated amounts and donor		7. Enter Amount					
				8. Click "PAY NOW" Button					
		details are stored Enter user name,		1. Enter User name					
		valid email address,		2. Enter Email address					
	Verify the donation	gender, and payment		3. Enter Gender	A massagas"=1	A message:"please			
C_DV_09	submission	details(Payment method, card/acc	Have a invalid user	Enter payment method	A message:"please include '@' in email	include '@' in email	Successful		
	of site	number, pin number,	Marc a mivana user	5. Enter Card/Bank acc number	address" is shown	address" is shown	Successful		
	OI SHE	Amount). Donated		6. Enter Pin number					
		amounts and donor		7. Enter Amount 8. Click "PAY NOW" Button					

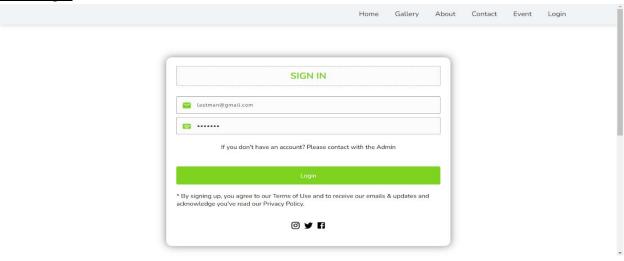
Data Security:

roject Name:	Donation Website and M	anagement System					
Iodule Name:	Data Security						
reated By:	S.M. Owadud Rahman Shohan, ID: 201002194						
Test Case ID	Test Scenario	Test Case	Pre-condition	Test Steps	Expected Result	Optained Result	Status
		Enter Valid email address		Enter Email Address			
TC_DS_01	Verify the Security of site	and valid password	Have a valid user	Enter Password	Successful Login	Funding Dashboard	Successful
		and valid password		3. Click "Login" Button			
		Enter Valid email address		1. Enter Email Address	A message:"Wrong email	A message:"Wrong email	
TC_DS_02	Verify the Security of site	and invalid password	Have a valid user	Enter Password	and password!" is shown	and password!" is shown	Successful
		and invalid password		3. Click "Login" Button	and password: is snown	and password: is snown	
		Enter invalid email		1. Enter Email Address	A message:"Please	A message:"Please	
TC_DS_03	Verify the Security of site	address	Have a valid user	2. Enter Password	include an '@' in the	include an '@' in the	Successful
		and valid password		3. Click "Login" Button	email address" is shown	email address" is shown	
	Verify the Security of site	Enter invalid email		Enter Email Address	A message:"Please include an '@' in the email address" is shown	A message:"Please	Successful
TC_DS_04		address	Have a valid user	2. Enter Password		include an '@' in the	
		and invalid password		3. Click "Login" Button		email address" is shown	
	Verify the Security of site	rity of site Enter valid email address and invalid password	Have a invalid user	Enter Email Address	A message:"Wrong email	A	
TC_DS_05				2. Enter Password		and password!" is shown	Successful
		and invalid password		3. Click "Login" Button	and password: is snown		
		Enter invalid email		Enter Email Address	A message:"Please	A message:"Please	
TC_DS_06	Verify the Security of site	address	Have a invalid user	2. Enter Password	include an '@' in the	include an '@' in the	Successful
		and invalid password		3. Click "Login" Button	email address" is shown	email address" is shown	
		Enter invalid email		Enter Email Address	A	A	
TC_DS_07	Verify the Security of site	address	Have a invalid user	2. Enter Password	A message:"Wrong email	A message:"Wrong email and password!" is shown	Successful
		and valid password		3. Click "Login" Button	and password!" is shown		
		Enter valid email address		Enter Email Address	A message: II you don t	A message: II you don t	
TC_DS_08	Verify the Security of site		Have a valid user	2. Enter Password	have an account? Please	have an account? Please	Successful
		but not enter password		3. Click "Login" Button	contact with the Admin	contact with the Admin	
		Enter valid password		Enter Email Address		A message:"Please fill out	
TC_DS_09	Verify the Security of site	but not enter Email	Have a valid user	2. Enter Password	this field	this field	Successful
		address		3. Click "Login" Button	" is shown	" is shown	
		Enter valid password		Enter Email Address	A message:"Please fill out	A message:"Please fill out	
TC_DS_10	Verify the Security of site	but not enter Email	Have a invalid user	2. Enter Password	this field	this field	Successful
	,	address		3. Click "Login" Button	" is shown	" is shown	

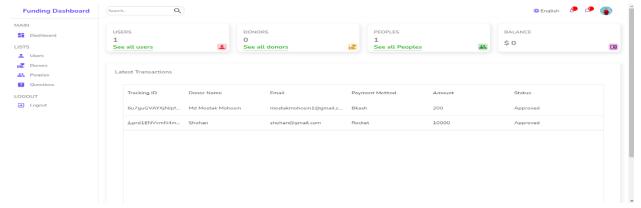
5. TEST RESULT / OUTPUT:

Usability Testing:

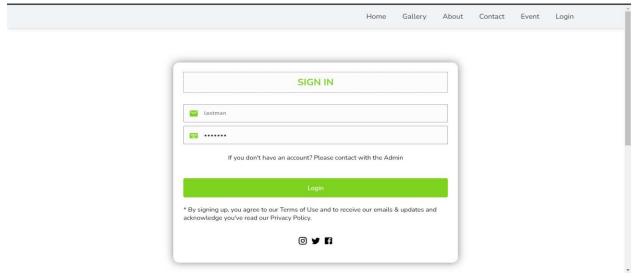
User Login:



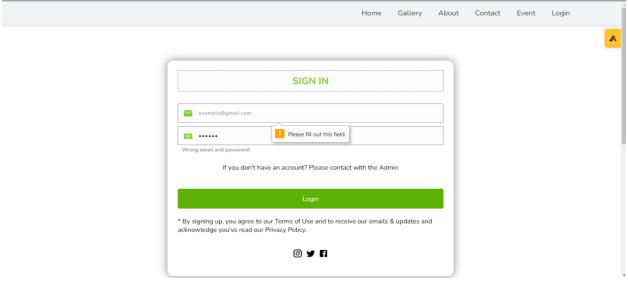
Valid Email and password



Successfully Login

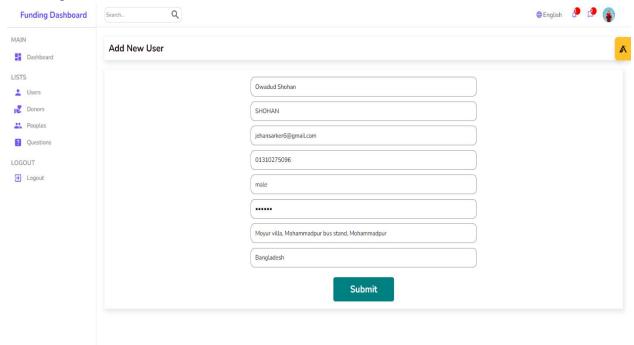


Invalid Email

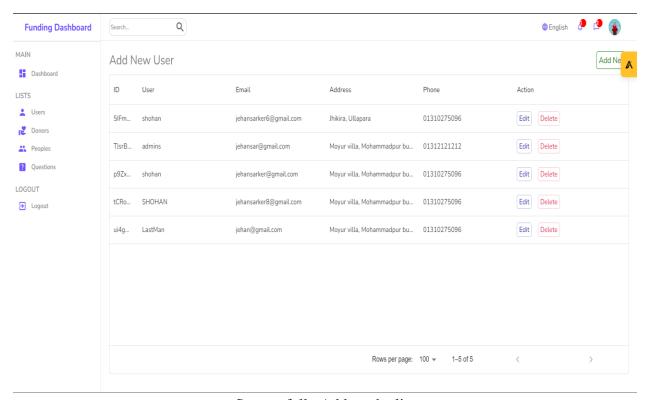


Error Message Shown

User Registration:

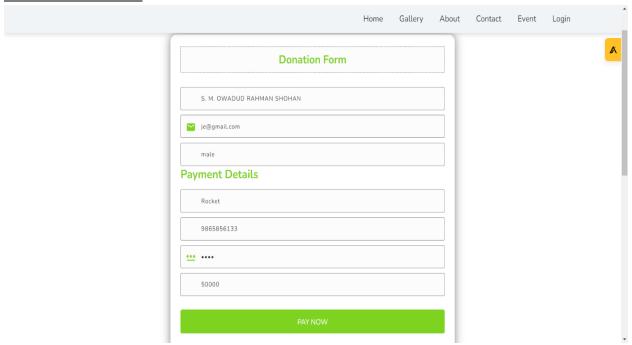


Add new user

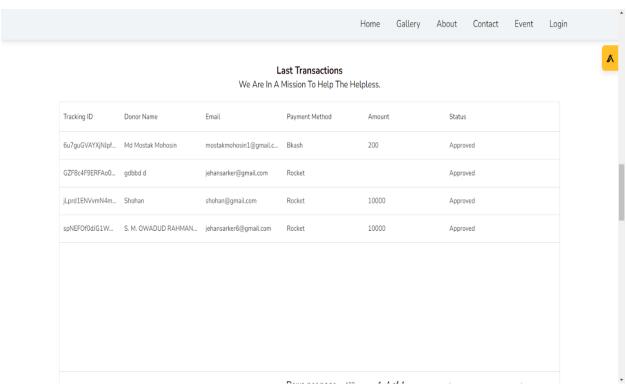


Successfully Add on the list

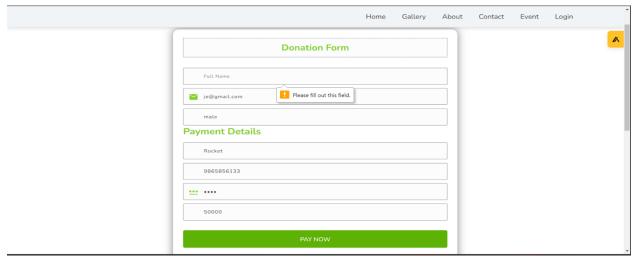
Donation Submission:



Add Donation

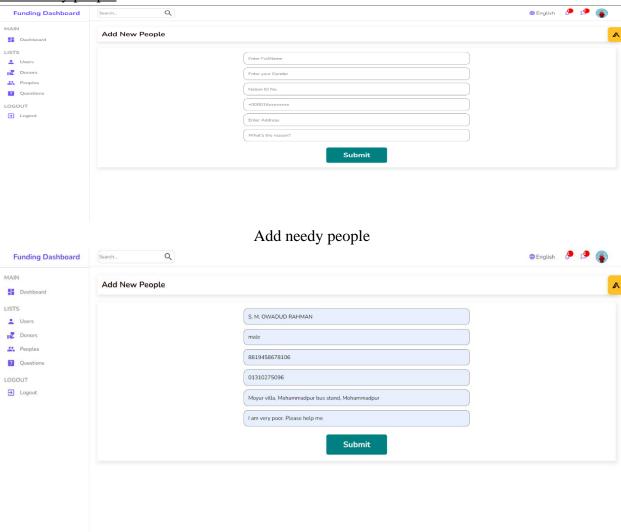


Successfully Add on the list

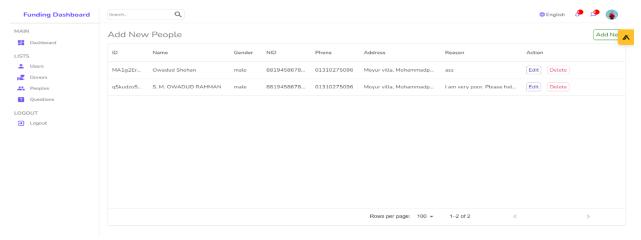


Error Message Shown

Add needy people:

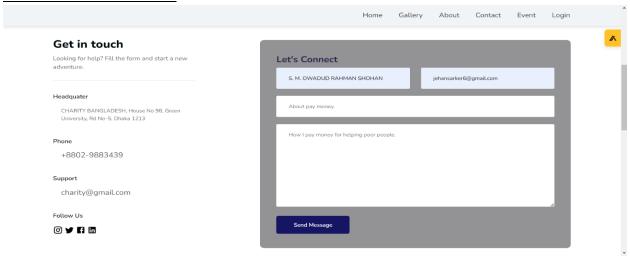


Fill-up the form

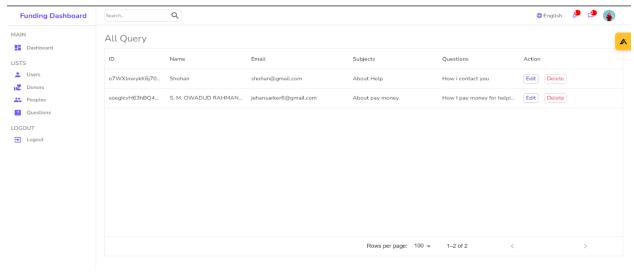


Successfully add on the list

Contract Process Feedback:



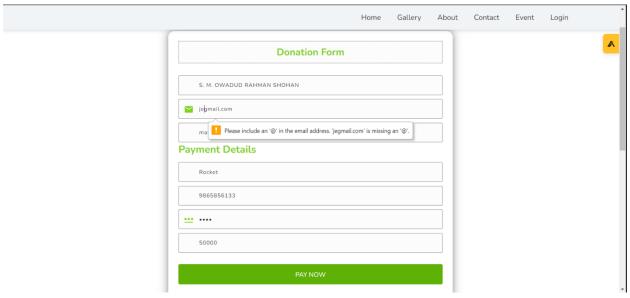
Add message or Question



Successfully add on the list

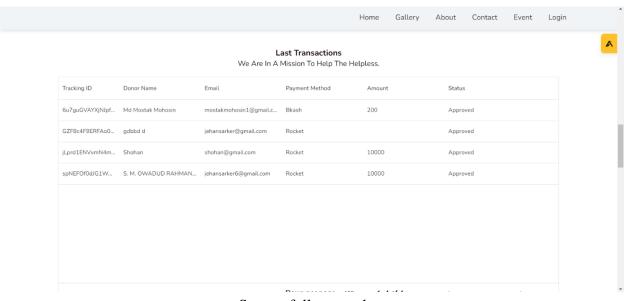
Integrity Testing:

Data Validation:



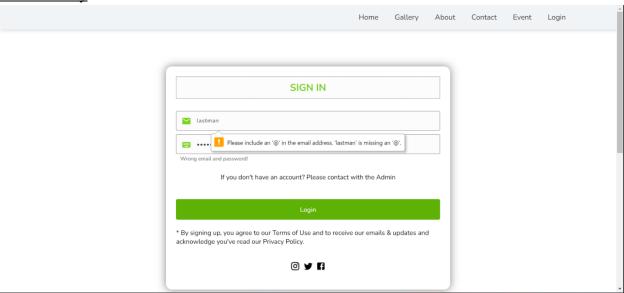
Error message is shown

Data Integrity:

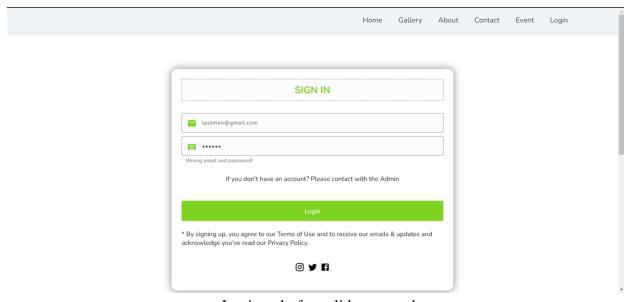


Successfully store data

Data Security:



Login only for valid Email



Login only for valid password

6. ANALYSIS AND DISCUSSION:

- In this lab report, I design test cases for my software for doing usability and integrity testing.
- For doing usability testing I test User Login, verify that users can log in successfully.
- User Registration, test the registration process for simplicity and clarity.
- Donation Submission, evaluate the process of submitting a donation.
- Add needy people, evaluate the process of add needy people.
- Contract Process Feedback, Collect user feedback on the donation process.

- For integrity testing I test data validation, Test for input validation on donation forms.
- Data Integrity, verify that donated amounts and donor details are stored correctly.
- Data Security, test the system's security measures for data protection.

7. <u>SUMMARY</u>: Usability Testing are verified that users can log in successfully, test for failed login attempts and appropriate error messages. Test the registration process for simplicity and clarity, ensure users can create an account without errors. Evaluate the process of submitting a donation, ensure that it is straightforward and user-friendly. Evaluate the process of add needy people, ensure that it is straightforward and user-friendly. Collect user feedback on the donation process, Check if users find it easy to provide comments and suggestions. And Integrity Testing are test for input validation on donation forms, attempt to submit data that doesn't conform to expected formats. Verify that donated amounts and donor details are stored correctly, check for data corruption during storage. Test the system's security measures for data protection, attempt to access donor data without proper authorization.