

1. TITLE OF THE LAB REPORT EXPERIMENT: 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. IMPLEMENTATION OF TEST CASES:

Usability Testing:

User Login:

Project Name:	Donation Website and Management System						
Module Name:	User Login						
Created By:	S.M. Owadud Rahman Shohan, ID: 201002194						
Test Case ID	Test Scenario	Test Case	Pre-condition	Test Steps	Expected Result	Optained Result	Status
TC_Login_01	Verify the login of site	Enter Valid email address and valid password	Have a valid user	1. Enter Email Address	Successful Login	Funding Dashboard	Successful
				2. Enter Password			
				3. Click "Login" Button			
TC_Login_02	Verify the login of site	Enter Valid email address and invalid password	Have a valid user	1. Enter Email Address	A message:"Wrong email and password!" is shown	A message:"Wrong email and password!" is shown	Successful
				2. Enter Password			
				3. Click "Login" Button			
TC_Login_03	Verify the login of site	Enter invalid email address and valid password	Have a valid user	1. Enter Email Address	A message:"Please include an '@' in the email address" is shown	A message:"Please include an '@' in the email address" is shown	Successful
				2. Enter Password			
				3. Click "Login" Button			
TC_Login_04	Verify the login of site	Enter invalid email address and invalid password	Have a valid user	1. Enter Email Address	A message:"Please include an '@' in the email address" is shown	A message:"Please include an '@' in the email address" is shown	Successful
				2. Enter Password			
				3. Click "Login" Button			
TC_Login_05	Verify the login of site	Enter valid email address and invalid password	Have a invalid user	1. Enter Email Address	A message:"Wrong email and password!" is shown	A message:"Wrong email and password!" is shown	Successful
				2. Enter Password			
				3. Click "Login" Button			
TC_Login_06	Verify the login of site	Enter invalid email address and invalid password	Have a invalid user	1. Enter Email Address	A message:"Please include an '@' in the email address" is shown	A message:"Please include an '@' in the email address" is shown	Successful
				2. Enter Password			
				3. Click "Login" Button			
TC_Login_07	Verify the login of site	Enter invalid email address and valid password	Have a invalid user	1. Enter Email Address	A message:"Wrong email and password!" is shown	A message:"Wrong email and password!" is shown	Successful
				2. Enter Password			
				3. Click "Login" Button			
TC_Login_08	Verify the login of site	Enter valid email address but not enter password	Have a valid user	1. Enter Email Address	A message:"If you don't have an account? Please contact with the Admin " is shown	A message:"If you don't have an account? Please contact with the Admin " is shown	Successful
				2. Enter Password			
				3. Click "Login" Button			
TC_Login_09	Verify the login of site	Enter valid password but not enter Email address	Have a valid user	1. Enter Email Address	A message:"Please fill out this field " is shown	A message:"Please fill out this field " is shown	Successful
				2. Enter Password			
				3. Click "Login" Button			
TC_Login_10	Verify the login of site	Enter valid password but not enter Email address	Have a invalid user	1. Enter Email Address	A message:"Please fill out this field " is shown	A message:"Please fill out this field " is shown	Successful
				2. Enter Password			
				3. Click "Login" Button			

User Registration:

Project Name:	Donation Website and Management System						
Module Name:	User Registration						
Created By:	S.M. Owadud Rahman Shohan, ID: 201002194						
Test Case ID	Test Scenario	Test Case	Pre-condition	Test Steps	Expected Result	Optained Result	Status
TC_Reg_01	Verify the registration of site	Enter user name, valid email address, valid phone number, gender, and password	Have a valid user	1. Enter User name 2. Enter Email address 3. Enter phone number 4. Enter Gender 5. Enter Password 6. Click "Submit" Button	Successful Submit	User List	Successful
TC_Reg_02	Verify the registration of site	Enter valid email address, valid phone number, gender, and password but not enter user name	Have a valid user	1. Enter User name 2. Enter Email address 3. Enter phone number 4. Enter Gender 5. Enter Password 6. Click "Submit" Button	Not Submit	Not Submit	Successful
TC_Reg_03	Verify the registration of site	Enter user name, invalid email address, valid phone number, gender, and valid password	Have a valid user	1. Enter User name 2. Enter Email address 3. Enter phone number 4. Enter Gender 5. Enter Password 6. Click "Submit" Button	Not Submit	Not Submit	Successful
TC_Reg_04	Verify the registration of site	Enter user name, valid email address, invalid phone number, gender, and valid password	Have a valid user	1. Enter User name 2. Enter Email address 3. Enter phone number 4. Enter Gender 5. Enter Password 6. Click "Submit" Button	Not Submit	Not Submit	Successful
TC_Reg_05	Verify the registration of site	Enter user name, valid email address, valid phone number, and password but not enter gender	Have a valid user	1. Enter User name 2. Enter Email address 3. Enter phone number 4. Enter Gender 5. Enter Password 6. Click "Submit" Button	Not Submit	Not Submit	Successful
TC_Reg_06	Verify the registration of site	Enter user name, valid email address, valid phone number and gender but not enter password	Have a valid user	1. Enter User name 2. Enter Email address 3. Enter phone number 4. Enter Gender 5. Enter Password 6. Click "Submit" Button	Not Submit	Not Submit	Successful
TC_Reg_07	Verify the registration of site	Enter user name, invalid email address, invalid phone number, gender, and password	Have a valid user	1. Enter User name 2. Enter Email address 3. Enter phone number 4. Enter Gender 5. Enter Password 6. Click "Submit" Button	Not Submit	Not Submit	Successful
TC_Reg_08	Verify the registration of site	Enter valid email address, valid phone number, but not enter gender, user name and password	Have a valid user	1. Enter User name 2. Enter Email address 3. Enter phone number 4. Enter Gender 5. Enter Password 6. Click "Submit" Button	Not Submit	Not Submit	Successful
TC_Reg_09	Verify the registration of site	Enter user name, valid email address, valid phone number, but not enter gender and password	Have a valid user	1. Enter User name 2. Enter Email address 3. Enter phone number 4. Enter Gender 5. Enter Password 6. Click "Submit" Button	Not Submit	Not Submit	Successful
TC_Reg_10	Verify the registration of site	Enter gender, valid email address, valid phone number, but not enter user name and password	Have a valid user	1. Enter User name 2. Enter Email address 3. Enter phone number 4. Enter Gender 5. Enter Password 6. Click "Submit" Button	Not Submit	Not Submit	Successful
TC_Reg_11	Verify the registration of site	Enter gender, valid phone number, user name, password and valid email address twice.	Have a valid user	1. Enter User name 2. Enter Email address 3. Enter phone number 4. Enter Gender 5. Enter Password 6. Click "Submit" Button	Not Submit	Not Submit	Successful

Donation Submission:

Project Name:	Donation Website and Management System						
Module Name:	Donation Submission						
Created By:	S.M. Owadud Rahman Shohan, ID: 201002194						
Test Case ID	Test Scenario	Test Case	Pre-condition	Test Steps	Expected Result	Optained Result	Status
TC_DS_01	Verify the donation submission of site	Enter user name, valid email address, gender, and payment details(Payment method, card/acc number, pin number, Amount)	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	Payment Successful	Home page (Donor list)	Successful
TC_DS_02	Verify the donation submission of site	Enter valid email address, gender, and payment details(Payment method, card/acc number, pin number, Amount) but not enter user name.	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	A message:"Please fill out the name field" is shown	A message:"Please fill out the name field" is shown	Successful
TC_DS_03	Verify the donation submission of site	Enter user name, invalid email address, gender, and payment details(Payment method, card/acc number, pin number, Amount)	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	A message:"please include '@' in email address" is shown	A message:"please include '@' in email address" is shown	Successful
TC_DS_04	Verify the donation submission of site	Enter valid email address, user name, and payment details(Payment method, card/acc number, pin number, Amount) but not enter gender.	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	A message:"Please fill out the gender field" is shown	A message:"Please fill out the gender field" is shown	Successful
TC_DS_05	Verify the donation submission of site	Enter user name, valid email address, gender, and payment details(Payment method, card/acc number, pin number, but not enter Amount)	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	A message:"Please fill out the amount field" is shown	Home page (Donor list)	Failed
TC_DS_06	Verify the donation submission of site	Enter user name, valid email address, gender, and payment details(Payment method, invalid card/acc number, pin number, Amount)	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	Payment not Successful	Home page (Donor list)	Failed
TC_DS_07	Verify the donation submission of site	Enter user name, valid email address, gender, and payment details(Payment method, card/acc number, pin number, Amount)	Have a invalid 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	Payment Successful	Home page (Donor list)	Successful
TC_DS_08	Verify the donation submission of site	Enter valid email address, gender, and payment details(Payment method, card/acc number, pin number, Amount) but not enter user name.	Have a invalid 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	A message:"Please fill out the name field" is shown	A message:"Please fill out the name field" is shown	Successful
TC_DS_09	Verify the donation submission of site	Enter user name, invalid email address, gender, and payment details(Payment method, card/acc number, pin number, Amount)	Have a invalid 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	A message:"please include '@' in email address" is shown	A message:"please include '@' in email address" is shown	Successful

Add needy people:

Project Name:	Donation Website and Management System						
Module Name:	Add needy people						
Created By:	S.M. Owadud Rahman Shohan, ID: 201002194						
Test Case ID	Test Scenario	Test Case	Pre-condition	Test Steps	Expected Result	Optained Result	Status
TC_NP_01	Verify the needy people add of site	Enter name, gender, nid, phone number, address and reason for add.	Have a valid user	1. Enter name	Submit Successful	Successfully store in people list	Successful
				2. Enter Gender			
				3. Enter NID			
				4. Enter phone number			
				5. Enter address			
				6. Enter reason			
				7. Click "Submit" Button			
TC_NP_02	Verify the needy people add of site	Enter gender, nid, phone number, address and reason for add but not add name.	Have a valid user	1. Enter name	Submit Successful	Successfully store in people list	Successful
				2. Enter Gender			
				3. Enter NID			
				4. Enter phone number			
				5. Enter address			
				6. Enter reason			
				7. Click "Submit" Button			
TC_NP_03	Verify the needy people add of site	Enter name, nid, phone number, address and reason for add but not add gender.	Have a valid user	1. Enter name	Submit Successful	Successfully store in people list	Successful
				2. Enter Gender			
				3. Enter NID			
				4. Enter phone number			
				5. Enter address			
				6. Enter reason			
				7. Click "Submit" Button			
TC_NP_04	Verify the needy people add of site	Enter name, gender, nid, address and reason for add but not add phone number.	Have a valid user	1. Enter name	Submit Successful	Successfully store in people list	Successful
				2. Enter Gender			
				3. Enter NID			
				4. Enter phone number			
				5. Enter address			
				6. Enter reason			
				7. Click "Submit" Button			
TC_NP_05	Verify the needy people add of site	Enter name, gender, nid, phone number and reason for add but not add address.	Have a valid user	1. Enter name	Submit Successful	Successfully store in people list	Successful
				2. Enter Gender			
				3. Enter NID			
				4. Enter phone number			
				5. Enter address			
				6. Enter reason			
				7. Click "Submit" Button			
TC_NP_06	Verify the needy people add of site	Enter name, gender, phone number and reason for add but not add nid.	Have a valid user	1. Enter name	Submit Successful	Successfully store in people list	Successful
				2. Enter Gender			
				3. Enter NID			
				4. Enter phone number			
				5. Enter address			
				6. Enter reason			
				7. Click "Submit" Button			
TC_NP_07	Verify the needy people add of site	Enter name, gender, nid, phone number, but not add reason for add.	Have a valid user	1. Enter name	Submit Successful	Successfully store in people list	Successful
				2. Enter Gender			
				3. Enter NID			
				4. Enter phone number			
				5. Enter address			
				6. Enter reason			
				7. Click "Submit" Button			
TC_NP_08	Verify the needy people add of site	Enter nid, phone number, address and reason for add but not add gender and name.	Have a valid user	1. Enter name	Submit Successful	Successfully store in people list	Successful
				2. Enter Gender			
				3. Enter NID			
				4. Enter phone number			
				5. Enter address			
				6. Enter reason			
				7. Click "Submit" Button			

Contract Process Feedback:

Project Name:	Donation Website and Management System						
Module Name:	Let's contract						
Created By:	S.M. Owadud Rahman Shohan, ID: 201002194						
Test Case ID	Test Scenario	Test Case	Pre-condition	Test Steps	Expected Result	Optained Result	Status
TC_Q_01	Verify the contract of site	Enter name, email, subject, and question.	Have a valid user	1. Enter name	Submit Successful	Successfully store in question list	Successful
				2. Enter Email			
				3. Enter Subject			
				4. Enter Question			
				5. Click "Send Message" Button			
TC_Q_02	Verify the contract of site	Enter email, subject, and question but not enter name.	Have a valid user	1. Enter name	Submit Successful	Successfully store in question list	Successful
				2. Enter Email			
				3. Enter Subject			
				4. Enter Question			
				5. Click "Send Message" Button			
TC_Q_03	Verify the contract of site	Enter name, subject, and question but not enter email.	Have a valid user	1. Enter name	Submit Successful	Successfully store in question list	Successful
				2. Enter Email			
				3. Enter Subject			
				4. Enter Question			
				5. Click "Send Message" Button			
TC_Q_04	Verify the contract of site	Enter name, email and question but not enter subject.	Have a valid user	1. Enter name	Submit Successful	Successfully store in question list	Successful
				2. Enter Email			
				3. Enter Subject			
				4. Enter Question			
				5. Click "Send Message" Button			
TC_Q_05	Verify the contract of site	Enter name, email, subject but not enter question.	Have a valid user	1. Enter name	Submit Successful	Successfully store in question list	Successful
				2. Enter Email			
				3. Enter Subject			
				4. Enter Question			
				5. Click "Send Message" Button			
TC_Q_06	Verify the contract of site	Not enter name, email, subject, just enter question.	Have a valid user	1. Enter name	Submit Successful	Successfully store in question list	Successful
				2. Enter Email			
				3. Enter Subject			
				4. Enter Question			
				5. Click "Send Message" Button			

Integrity Testing:

Data Validation:

Project Name:	Donation Website and Management System						
Module Name:	Data Validation Donation Form						
Created By:	S.M. Owadud Rahman Shohan, ID: 201002194						
Test Case ID	Test Scenario	Test Case	Pre-condition	Test Steps	Expected Result	Optained Result	Status
TC_DV_01	Verify the donation Form of site	Enter user name, valid email address, gender, and payment details(Payment method, card/acc number, pin number, Amount)	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	Payment Successful	Home page (Donor list)	Successful
TC_DV_02	Verify the donation Form of site	Enter valid email address, gender, and payment details(Payment method, card/acc number, pin number, Amount) but not enter user name.	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	A message:"Please fill out the name field" is shown	A message:"Please fill out the name field" is shown	Successful
TC_DV_03	Verify the donation Form of site	Enter user name, invalid email address, gender, and payment details(Payment method, card/acc number, pin number, Amount)	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	A message:"please include '@' in email address" is shown	A message:"please include '@' in email address" is shown	Successful
TC_DV_04	Verify the donation Form of site	Enter valid email address, user name, and payment details(Payment method, card/acc number, pin number, Amount) but not enter gender.	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	A message:"Please fill out the gender field" is shown	A message:"Please fill out the gender field" is shown	Successful
TC_DV_05	Verify the donation Form of site	Enter user name, valid email address, gender, and payment details(Payment method, card/acc number, pin number, but not enter Amount)	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	A message:"Please fill out the amount field" is shown	Home page (Donor list)	Failed
TC_DV_06	Verify the donation Form of site	Enter user name, valid email address, gender, and payment details(Payment method, invalid card/acc number, pin number, Amount)	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	Payment not Successful	Home page (Donor list)	Failed
TC_DV_07	Verify the donation Form of site	Enter user name, valid email address, gender, and payment details(Payment method, card/acc number, pin number, Amount)	Have a invalid 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	Payment Successful	Home page (Donor list)	Successful
TC_DV_08	Verify the donation Form of site	Enter valid email address, gender, and payment details(Payment method, card/acc number, pin number, Amount) but not enter user name.	Have a invalid 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	A message:"Please fill out the name field" is shown	A message:"Please fill out the name field" is shown	Successful
TC_DV_09	Verify the donation Form of site	Enter user name, invalid email address, gender, and payment details(Payment method, card/acc number, pin number, Amount)	Have a invalid 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	A message:"please include '@' in email address" is shown	A message:"please include '@' in email address" is shown	Successful

Data Integrity:

Project Name:	Donation Website and Management System						
Module Name:	Data Integrity Donation Form						
Created By:	S.M. Owadud Rahman Shohan, ID: 201002194						
Test Case ID	Test Scenario	Test Case	Pre-condition	Test Steps	Expected Result	Optained Result	Status
TC_DL_01	Verify the donation submission of site	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	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	Donated amounts and donor details are stored correctly.	Home page (Donor list)	Successful
TC_DV_02	Verify the donation submission of site	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	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	A message:"Please fill out the name field" is shown	A message:"Please fill out the name field" is shown	Successful
TC_DV_03	Verify the donation submission of site	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	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	A message:"please include '@' in email address" is shown	A message:"please include '@' in email address" is shown	Successful
TC_DV_04	Verify the donation submission of site	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	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	A message:"Please fill out the gender field" is shown	A message:"Please fill out the gender field" is shown	Successful
TC_DV_05	Verify the donation submission of site	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	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 P in number 7. Enter Amount 8. Click "PAY NOW" Button	A message:"Please fill out the amount field" is shown	Home page (Donor list)	Failed
TC_DV_06	Verify the donation submission of site	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	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	Payment not Successful	Home page (Donor list)	Failed
TC_DV_07	Verify the donation submission of site	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	Have a invalid 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	Donated amounts and donor details are stored correctly.	Home page (Donor list)	Successful
TC_DV_08	Verify the donation submission of site	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	Have a invalid user	1. Enter User name 2. Enter Email address 3. Enter Gender 4. Enter payment method 5. Enter Card/Bank acc number 6. Enter P in number 7. Enter Amount 8. Click "PAY NOW" Button	A message:"Please fill out the name field" is shown	A message:"Please fill out the name field" is shown	Successful
TC_DV_09	Verify the donation submission of site	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	Have a invalid 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	A message:"please include '@' in email address" is shown	A message:"please include '@' in email address" is shown	Successful

Data Security:

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


5. TEST RESULT / OUTPUT:


Usability Testing:

User Login:

[Home](#)
[Gallery](#)
[About](#)
[Contact](#)
[Event](#)
[Login](#)

SIGN IN




 lastman@gmail.com



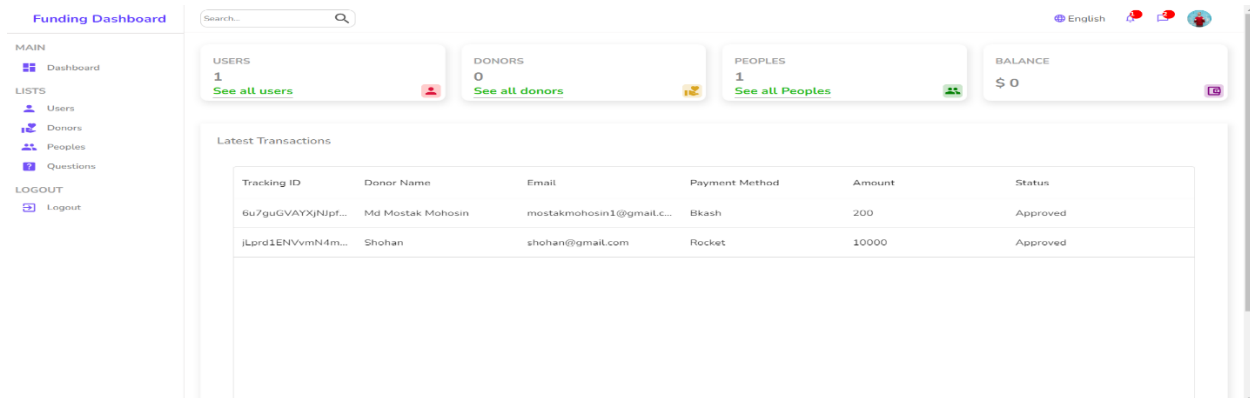
If you don't have an account? Please contact with the Admin

Login

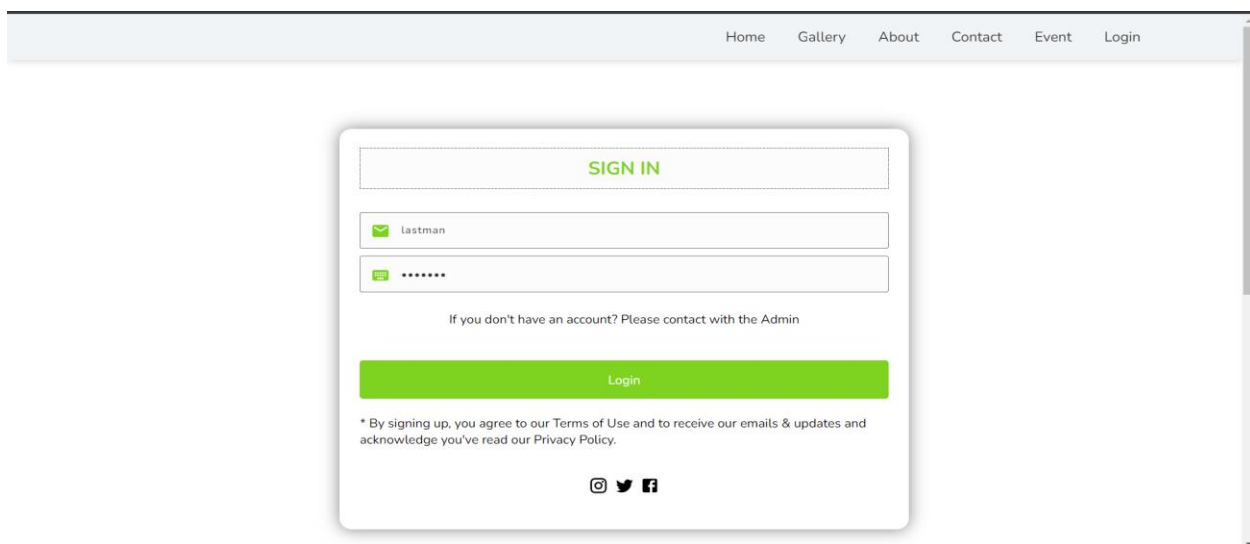
* By signing up, you agree to our Terms of Use and to receive our emails & updates and acknowledge you've read our Privacy Policy.

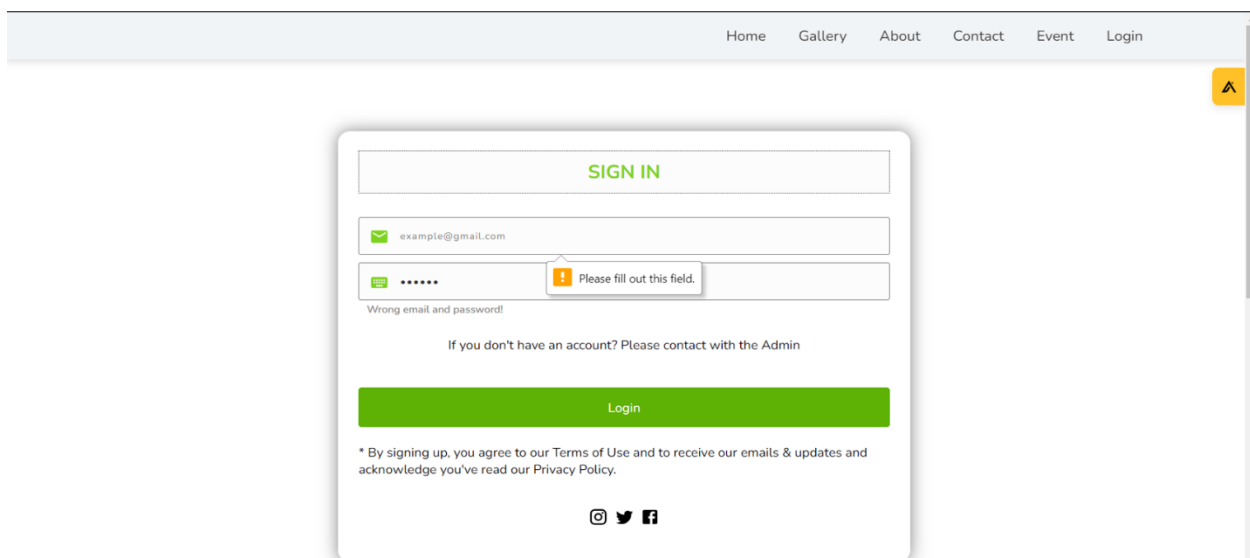
Valid Email and password



Successfully Login



Invalid Email



Error Message Shown

User Registration:

Funding Dashboard

Search...

English

MAIN

Dashboard

LISTS

Users

Donors

Peoples

Questions

LOGOUT

Logout

Add New User

Owadud Shohan

SHOHAN

jehansarker6@gmail.com

01310275096

male

Moyur villa, Mohammadpur bus stand, Mohammadpur

Bangladesh

Submit

Add new user

Funding Dashboard

Search...

English

MAIN

Dashboard

LISTS

Users

Donors

Peoples

Questions

LOGOUT

Logout

Add New User

Add New

ID	User	Email	Address	Phone	Action
5lFm...	shohan	jehansarker6@gmail.com	Jhikira, Ullapara	01310275096	Edit Delete
TJsrB...	admins	jehansar@gmail.com	Moyur villa, Mohammadpur bu...	01312121212	Edit Delete
p9Zx...	shohan	jehansarker@gmail.com	Moyur villa, Mohammadpur bu...	01310275096	Edit Delete
tCRo...	SHOHAN	jehansarker@gmail.com	Moyur villa, Mohammadpur bu...	01310275096	Edit Delete
ui4g...	LastMan	jehan@gmail.com	Moyur villa, Mohammadpur bu...	01310275096	Edit Delete

Rows per page: 100 1-5 of 5 < >

Successfully Add on the list

Donation Submission:

[Home](#) [Gallery](#) [About](#) [Contact](#) [Event](#) [Login](#)

▲

Donation Form

S. M. OWADUD RAHMAN SHOHAN

✉

je@gmail.com

male

Payment Details

Rocket

9865856133

50000

PAY NOW

Add Donation

[Home](#) [Gallery](#) [About](#) [Contact](#) [Event](#) [Login](#)

▲

Last Transactions

We Are In A Mission To Help The Helpless.

Tracking ID	Donor Name	Email	Payment Method	Amount	Status
6u7guGVAYXjNjpf...	Md Mostak Mohosin	mostakmohosin1@gmail.c...	Bkash	200	Approved
GZF8c4F9ERFAo0...	gdbbd d	jehansarker@gmail.com	Rocket		Approved
jLprd1ENVvmN4m...	Shohan	shohan@gmail.com	Rocket	10000	Approved
spNEFOF0dJG1W...	S. M. OWADUD RAHMAN...	jehansarker6@gmail.com	Rocket	10000	Approved

Successfully Add on the list

[Home](#)
[Gallery](#)
[About](#)
[Contact](#)
[Event](#)
[Login](#)

Donation Form

Please fill out this field.

Payment Details

Error Message Shown

Add needy people:

[Funding Dashboard](#)

[English](#)

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- Donors
- Peoples
- Questions

LOGOUT

- Logout

Add New People

Add needy people

[Funding Dashboard](#)

[English](#)

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- Peoples
- Questions

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- Logout

Add New People

Fill-up the form

Funding Dashboard

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Logout

Add New People

Add New

ID	Name	Gender	NID	Phone	Address	Reason	Action
MA1g2Er...	Owadud Shohan	male	8819458678...	01310275096	Moyur villa, Mohammadp...	ass	<div>Edit</div> <div>Delete</div>
qSkudzo5...	S. M. OWADUD RAHMAN	male	8819458678...	01310275096	Moyur villa, Mohammadp...	I am very poor. Please hel...	<div>Edit</div> <div>Delete</div>

Rows per page: 100

1-2 of 2

<

>

Successfully add on the list

Contract Process Feedback:

Home Gallery About Contact Event Login

Get in touch

Looking for help? Fill the form and start a new adventure.

Headquater

CHARITY BANGLADESH, House No 98, Green University, Rd No-5, Dhaka 1213

Phone

+8802-9883439

Support

charity@gmail.com

Follow Us

Let's Connect

S. M. OWADUD RAHMAN SHOHAN

jehansarker6@gmail.com

About pay money.

How I pay money for helping poor people.

Send Message

Add message or Question

Funding Dashboard

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Q

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Donors

Peoples

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Logout

All Query

ID	Name	Email	Subjects	Questions	Action
o7WXInwykK6j70...	Shohan	shohan@gmail.com	About Help	How i contact you	<div>Edit</div> <div>Delete</div>
soeglcVH63hBQ4...	S. M. OWADUD RAHMAN...	jehansarker6@gmail.com	About pay money.	How I pay money for helpi...	<div>Edit</div> <div>Delete</div>

Rows per page: 100

1-2 of 2

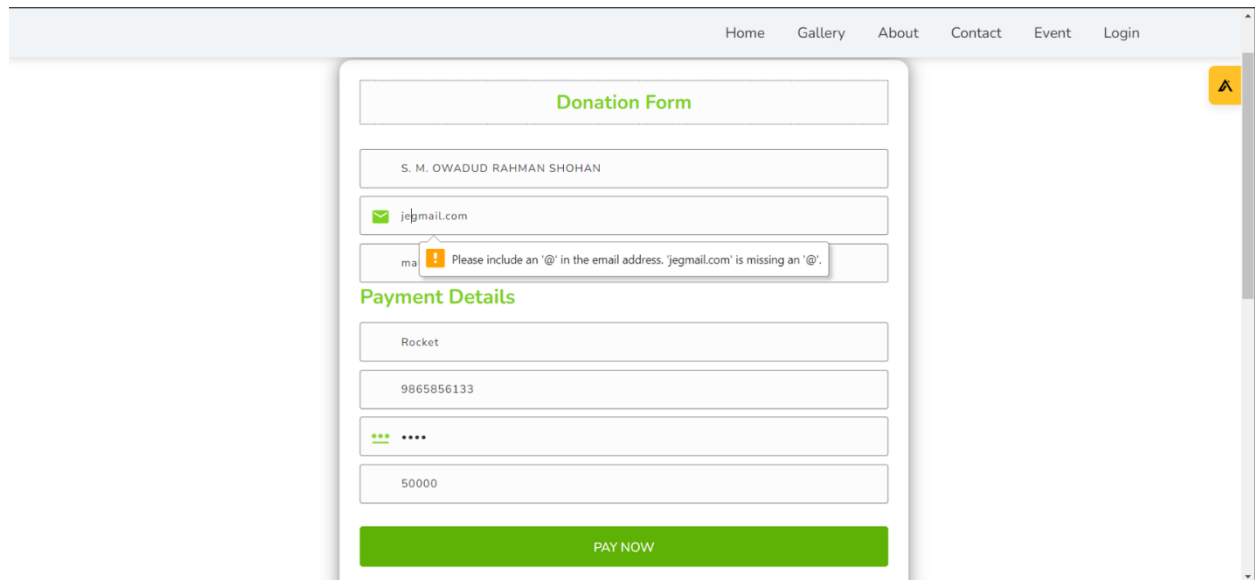
<

>

Successfully add on the list

Integrity Testing:

Data Validation:



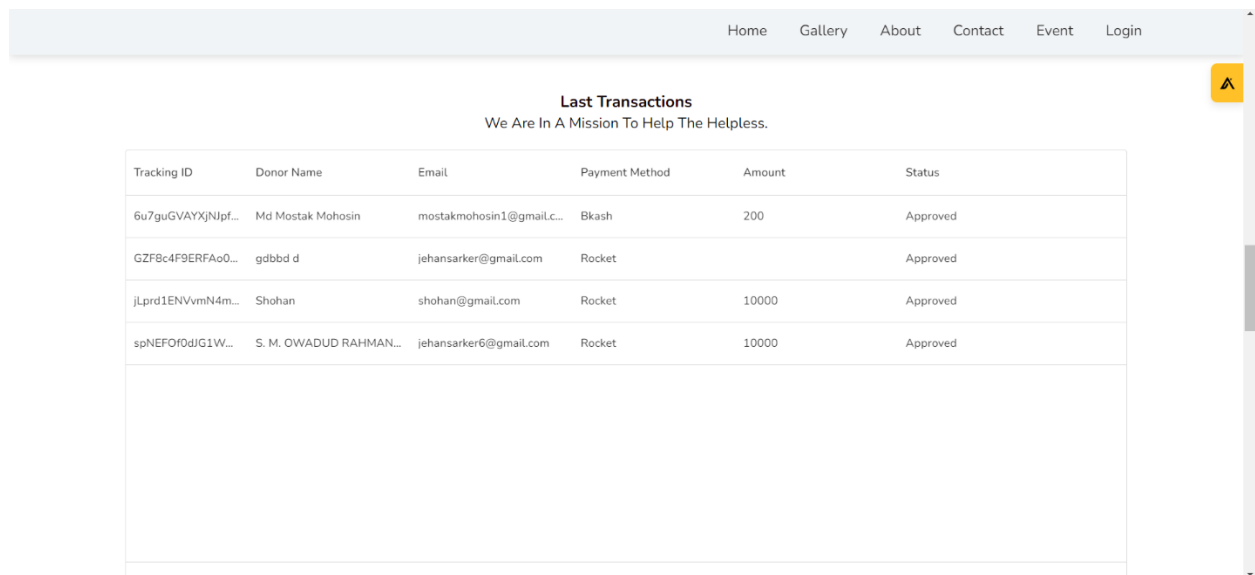
The screenshot shows a web application with a navigation bar (Home, Gallery, About, Contact, Event, Login) and a yellow accessibility icon. The main content is a "Donation Form" with the following fields:

- Donor Name: S. M. OWADUD RAHMAN SHOHAN
- Email: jegmail.com
- Payment Method: Rocket
- Phone Number: 9865856133
- Card Number: **** * (masked)
- Amount: 50000

A validation error message is displayed below the email field: "Please include an '@' in the email address. 'jegmail.com' is missing an '@'." A green "PAY NOW" button is at the bottom of the form.

Error message is shown

Data Integrity:



The screenshot shows the "Last Transactions" section of the web application. It includes a header with the mission statement "We Are In A Mission To Help The Helpless." and a table with the following data:

Tracking ID	Donor Name	Email	Payment Method	Amount	Status
6u7guGVAYXjNjpf...	Md Mostak Mohosin	mostakmohosin1@gmailC...	Bkash	200	Approved
GZF8c4F9ERFAo0...	gdbbd d	jehansarker@gmail.com	Rocket		Approved
jLprd1ENVVmN4m...	Shohan	shohan@gmail.com	Rocket	10000	Approved
spNEFO0dJG1W...	S. M. OWADUD RAHMAN...	jehansarker6@gmail.com	Rocket	10000	Approved

Successfully store data

Data Security:

The screenshot shows a web application's login page. At the top, there is a navigation bar with links: Home, Gallery, About, Contact, Event, and Login. The main content area features a 'SIGN IN' form. The email field contains 'lastman' and the password field contains six dots. A red error message is displayed: 'Please include an '@' in the email address. 'lastman' is missing an '@'. Below the form, a message says 'Wrong email and password!'. A link below that says 'If you don't have an account? Please contact with the Admin'. A green 'Login' button is present. At the bottom, a disclaimer states: '* By signing up, you agree to our Terms of Use and to receive our emails & updates and acknowledge you've read our Privacy Policy.' Social media icons for Instagram, Twitter, and Facebook are at the very bottom.

Login only for valid Email

The screenshot shows the same web application's login page. The email field now contains 'lastman@gmail.com' and the password field contains six dots. A red error message is displayed: 'Wrong email and password!'. The rest of the page, including the navigation bar, 'SIGN IN' header, 'Login' button, disclaimer, and social media icons, remains the same.

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. SUMMARY: 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.