

Test Planning:

1. Unit Testing

- **Test Type:** White-box testing
- **Level:** Individual component level
- **Who:** Developers
- **When:** Throughout development, especially after implementing each functionality
- **Purpose:** To verify that each individual function (e.g., login validation, incident reporting, price verification) works as expected and handles various scenarios correctly.

2. Integration Testing

- **Test Type:** Black-box testing
- **Level:** Integration of modules
- **Who:** Developers or dedicated testers
- **When:** After completing the development of major components or modules
- **Purpose:** To verify that different components/modules (e.g., login systems, incident heatmap, reward system) work together seamlessly.

3. System Testing

- **Test Type:** Black-box testing
- **Level:** Entire system
- **Who:** QA team
- **When:** After integration testing and before deployment
- **Purpose:** To ensure that the entire system meets the specified functional requirements. It includes end-to-end testing of scenarios involving multiple roles (Shop Owners, Customers, Security Personnel, Police, Admins) and system interactions.

4. Security Testing

- **Test Type:** Black-box testing
- **Level:** Entire system
- **Who:** Security experts
- **When:** Before deployment and periodically thereafter

- **Purpose:** To identify vulnerabilities in the system, ensuring sensitive data such as login credentials and reports are protected against breaches.

5. User Acceptance Testing (UAT)

- **Test Type:** Black-box testing
- **Level:** Entire system
- **Who:** End-users (Shop Owners, Customers, Security Personnel, Police, Admins)
- **When:** Before deployment and after major updates
- **Purpose:** To evaluate the system's usability, functionality, and overall user experience. Ensures the system meets end-user expectations.

Why We're Conducting These Tests

- **Ensure Functionality:** Verify that each system component works correctly as per requirements.
- **Ensure Integration:** Ensure seamless functioning of interconnected modules.
- **Ensure Security:** Identify and mitigate potential vulnerabilities.
- **Ensure Usability:** Confirm the system is user-friendly and meets user needs.
- **Ensure Reliability:** Verify stable operation under different conditions.

Project Name: Anti-Syndicate Reporting And Alert System		Test Designed by: Ujjoyeni Dey		
Test Case ID: Login_1.1		Test Designed date: 12 /11 /2024		
Test Priority (Low, Medium, High): High		Test Executed by:		
Module Name: Login Session		Test Execution date:		
Test Title: Verify login with valid NID and password				
Description: Test Shop Owner login page				
Precondition (If any): Shop Owner must have valid login credentials.				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the app 2. Enter NID no 3. Enter password 4. Fill the captcha 5. Press Login button	NID: 7014578958754 Password: rup@1804	Shop Owner should login into the application		
Post Condition: Shop Owner is validated with database and successfully login to account.				

Project Name: Anti-Syndicate Reporting And Alert System		Test Designed by: Ujjoyeni Dey		
Test Case ID: Login_1.2		Test Designed date: 12 / 11 /2024		
Test Priority (Low, Medium, High): High		Test Executed by:		
Module Name: Login Session		Test Execution date:		
Test Title: Verify login with valid NID and password				
Description: Test Customer login page				
Precondition (If any): Customer must have valid login credentials.				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the app 2. Enter NID no 3. Enter password 4. Fill the captcha 5. Press Login button	NID: 8214578958764 Password: p@Nna0703	Customer should login into the application		
Post Condition: Customer is validated with database and successfully login to account.				

Project Name: Anti-Syndicate Reporting And Alert System		Test Designed by: Ujjoyeni Dey		
Test Case ID: Login_1.3		Test Designed date: 12 / 11 /2024		
Test Priority (Low, Medium, High): High		Test Executed by:		
Module Name: Login Session		Test Execution date:		
Test Title: Verify login with valid NID and password				
Description: Test Security Personnel login page				
Precondition (If any): Security Personnel must have valid login credentials.				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the app 2. Enter NID no 3. Enter password 4. Fill the captcha 5. Press Login button	NID: 1814578958794 Password: fyddyshsgT8348487	Security Personnel should login into the application		
Post Condition: Security Personnel is validated with database and successfully login to account.				

Project Name: Anti-Syndicate Reporting And Alert System		Test Designed by: Ujjoyeni Dey		
Test Case ID: Login_1.4		Test Designed date: 12 / 11 /2024		
Test Priority (Low, Medium, High): High		Test Executed by:		
Module Name: Login Session		Test Execution date:		
Test Title: Verify login with valid NID and password				
Description: Test Police login page				
Precondition (If any): Police must have valid login credentials.				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the app 2. Enter NID no 3. Enter password 4. Fill the captcha 5. Press Login button	NID: 2810578498334 Password: GkhvyhRDFHFG7478	Police should login into the application		
Post Condition: Police is validated with database and successfully login to account.				

Project Name: Anti-Syndicate Reporting And Alert System			Test Designed by: Ujjoyeni Dey	
Test Case ID: Login_1.5			Test Designed date: 12 / 11 /2024	
Test Priority (Low, Medium, High): High			Test Executed by:	
Module Name: Login Session			Test Execution date:	
Test Title: Verify login with valid NID and password				
Description: Test Admin login page				
Precondition (If any): Admin must have valid login credentials.				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the app 2. Enter NID no 3. Enter password 4. Fill the captcha 5. Press Login button	NID: 7016738472954 Password: ujjoyeniRup@281804	Admin should login into the application		
Post Condition: Admin is validated with database and successfully login to account.				

Project Name: ANTI-SYNDICATE REPORTING AND ALERT SYSTEM			Test Designed by: Abul Bashar Saurov	
Test Case ID: Shop Owner_2.1			Test Designed date: 11/12/2024	
Test Priority (Low, Medium, High): High			Test Executed by:	
Module Name: Illegal Fee			Test Execution date:	
Test Title: Shop Owner Illegal Fee				
Description: Submission of illegal fee with evidence				
Precondition (If any): Shop owner should have the evidence				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the app. 2. Log in as Shop Owner. 3. Click the Illegal Fee. 4. Fill up all text box. 5. Attach the evidence.	Name: Fahim Ahamed District: Dhaka Thana: Mohammadpur Shop Location: Krishi Market, Ring Road. Shop Number: 45A, Block B Phone Number: 01854688903 Evidence: Video or picture	Shop owner should be submitted complaints successfully		
Post Condition: Shop owner should be submitted complaints successfully, and all the data should be stored in the database. The account session details are logged in the database.				

Project Name: ANTI-SYNDICATE REPORTING AND ALERT SYSTEM			Test Designed by: Abul Bashar Saurov	
Test Case ID: Shop Owner_2.2			Test Designed date: 11/12/2024	
Test Priority (Low, Medium, High): High			Test Executed by:	
Module Name: Incident Voting			Test Execution date:	
Test Title: Shop Owner Incident Voting				
Description: Voting and seeing the incidents				
Precondition (If any):				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Click the Incident voting. 2. Click the details to see the incident. 3. Click the vote to set the priority level of incidents.		Shop owner should be voted successfully		
Post Condition: All the data should be stored in the database. The account session details are logged in the database.				

Project Name: ANTI-SYNDICATE REPORTING AND ALERT SYSTEM			Test Designed by: Abul Bashar Saurov	
Test Case ID: Shop Owner_2.3			Test Designed date: 11/12/2024	
Test Priority (Low, Medium, High): High			Test Executed by:	
Module Name: Witness			Test Execution date:	
Test Title: Shop Owner witness				
Description: Submission of witness report				
Precondition (If any): Shop owner should have the evidence				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Click the Witness 2. Fill up all text box. 3. Attach the evidence.	Name: Fahim Ahamed District: Dhaka Thana: Mohammadpur Shop Location: Krishi Market, Ring Road. Shop Number: 45A, Block B Phone Number: 01854688903 Evidence: Video or picture	Shop owner should be submitted reports successfully		
Post Condition: Shop owner should be submitted reportss successfully, and all the data should be stored in the database. The account session details are logged in the database.				

Project Name: Anti-Syndicate Reporting And Alert System		Test Designed by: Ahasan Habib		
Test Case ID:Customer_3.1		Test Designed date:12/11/24		
Test Priority (Low, Medium, High): Medium		Test Executed by:		
Module Name: Customer Price Verification		Test Execution date:		
Test Title: To verify product price				
Description: Test price verification				
Precondition (If any): Customer should have valid NID and password.				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1.Go to the app. 2. Login as Customer. 3.Click price verify button. 4.Submit product barcode.		Product name should be shown accurately. Product price should be shown accurately.		
Post Condition: Price is displayed to the user.				

Project Name: Anti-Syndicate Reporting And Alert System		Test Designed by: Ahasan Habib		
Test Case ID:Customer_3.2		Test Designed date:12/11/24		
Test Priority (Low, Medium, High): Medium		Test Executed by:		
Module Name: Customer Price report		Test Execution date:		
Test Title: Product price report				
Description: Test price report				
Precondition (If any): Customer should have valid NID and password.				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1.Go to the app. 2.Click report button. 4.Submit product report.	Your Name: Sourov Product Name: Rice Price: 80	Customer should be submitted product report successfully.		
Post Condition: Need to verify product price first.				

Project Name: Anti-Syndicate Reporting And Alert System		Test Designed by: Ahasan Habib		
Test Case ID: Customer_4.1		Test Designed date:12/11/24		
Test Priority (Low, Medium, High): Medium		Test Executed by:		
Module Name: Customer vote		Test Execution date:		
Test Title: report voting				
Description: Test report vote.				
Precondition (If any): Customer should have valid NID and password.				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1.Go to the app. 2.Click Vote button. 4.Submit vote for report.		Vote should be submitted successfully.		
Post Condition: User is validated with database and successfully login to account. The account session details are logged in the database.				

Project Name: Anti-Syndicate Reporting And Alert System		Test Designed by: Ahasan Habib		
Test Case ID: Customer_5		Test Designed date:12/11/24		
Test Priority (Low, Medium, High): Medium		Test Executed by:		
Module Name: Customer Witness		Test Execution date:		
Test Title: Witness report				
Description: Test witness report.				
Precondition (If any): Customer should have valid NID and password.				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1.Go to the app. 2.Click witness button. 4.Submit witness report.	Your Name: Himel District: Bogura Thana : Bogura Sadar Shop Location: College Road Shop Number: 13C Phone Number: 01303712345 Attach Evidence: Photo or Video	Customer should submit witness report successfully.		
Post Condition: User is validated with database and successfully login to account. The account session details are logged in the database.				

Project Name: ANTI-SYNDICATE REPORTING AND ALERT SYSTEM			Test Designed by: Md. Sajib Mondol	
Test Case ID: Police_5.1			Test Designed date: 11/12/2024	
Test Priority (Low, Medium, High): High			Test Executed by:	
Module Name: Incident report			Test Execution date:	
Test Title: Police incident report				
Description: Test incident report				
Precondition (If any): Police should have valid NID and password.				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the app. 2. Log in as Police. 3. Click the incident report button. 4. Submit the incident report.	Name: Foysal Ahamed District: Dhaka Thana: Khilkhhet Shop Location: Lakecity. Shop Number: 45A, Block B Phone Number: 01643932288 Evidence: Video or picture	Police should be submitted incident report successfully		
Post Condition: Police should be submitted incident report successfully, and all the data should be stored in the database. The account session details are logged in the database.				

Project Name: ANTI-SYNDICATE REPORTING AND ALERT SYSTEM			Test Designed by: Md. Sajib Mondol	
Test Case ID: Police_5.2			Test Designed date: 11/12/2024	
Test Priority (Low, Medium, High): High			Test Executed by: Md Sajib Mondol	
Module Name: Emergency			Test Execution date:	
Test Title: Police Emergency				
Description: Test police emergency				
Precondition (If any): Police should have valid NID and password.				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the app. 2. Click the emergency button. 3. Submit the emergency report.	Name: Rony Ahamed District: Dhaka Thana: Khilkhhet Shop Location: Kuratoli. Shop Number: 4A, Block C Phone Number: 01643932288 Evidence: Video or picture	Police should be submitted emergency report successfully		
Post Condition: All the data should be stored in the database. The account session details are logged in the database.				

Project Name: Anti-Syndicate Reporting And Alert System			Test Designed by: Anik Ben Alamgir	
Test Case ID: Security_guard_12.1			Test Designed date: 15 /12 /2024	
Test Priority (Low, Medium, High): High			Test Executed by:	
Module Name: Home page			Test Execution date:	
Test Title: Verify home page				
Description: Test Security Personnel home page				
Precondition (If any): Security Personnel should have valid NID and password.				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Click the Location to set Emergency area 2. Click Call Near Thana Police to call for help 3. Click the Exit to come back in Login Page		Security Personnel should set Location and call police successfully		
Post Condition: All the data should be stored in the database. The account session details are logged in the database.				

Project Name: ANTI-SYNDICATE REPORTING AND ALERT SYSTEM			Test Designed by: Anik Ben Alamgir	
Test Case ID: Admin 7.1			Test Designed date: 15/12/2024	
Test Priority (Low, Medium, High): Medium			Test Executed by:	
Module Name: Homepage			Test Execution date:	
Test Title: Admin Homepage				
Description: Managing the admin panel				
Precondition (If any): Admin should have the valid NID and Password				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the app. 2. Log in as Admin. 3. Click the details of all incident order by order. 4. Click the Manage of all incidents to see the situation of these incidents and take proper steps to solve these.		Admin should be managed complaints successfully		
Post Condition: All the data should be stored in the database. The account session details are logged in the database.				

Group #	Lab Task#	Student Name and ID	Assigned Task	Date assigned	Due Date	Comment
4	5	Ahasan Habib (22-48877-3)	System testing, Customer 3.1,3.2,4.1,5	12/11/2024	12/15/2024	
		Md. Sajib Mondol (22-48824-3)	UAT, Police 5.1, 5.2	12/11/2024	12/15/2024	
		Abul Bashar Surov (22-48823-3)	Security test, Why we are conduct this testing,Shop Owner 2.1 to 2.3	12/11/2024	12/15/2024	
		Ujjoyeni Dey (22-49001-3)	Integration test, Login test 1.1 to 1.5	12/11/2024	12/15/2024	
		Anik Ben Alamgir (22-47941-2)	Unit test, Security Guard 12.1, Admin 7.1	12/11/2024	12/15/2024	