Ataa Project Report

Implementation and Testing

1. Methods, tools and techniques:

I have used the agile methodology of the software development life cycle (SDLC) in the development process. This method is really flexible, easy, and reliable for the development process.

I have used various tools for the development and coding stuff which includes:

- Visual Studio Code
- Web Browser (Google Chrome)
- Google Chrome's DevTool

Visual Studio Code is used as an IDE for the programming languages. It also has support for debugging. We used it to write all code for the web application and also for debugging purposes. We used google chrome to test our web application and see the actual results. Google chrome's DevTool is really helpful to make instant changes to the page and see the results instantly.

In technology, I used the following technologies and languages:

- Python (Flask)
- JavaScript
- HTML
- CSS
- Bootstrap

Python is used for the backend (server-side scripting). HTML is used for the web page structure and elements, CSS is used for styling the elements, JavaScript is used for adding functionality to the front end, validating the input, and showing alerts, and BootStrap5 is used to make the web page responsive to different screen sizes.
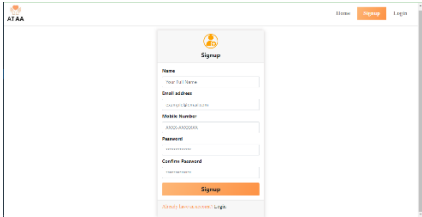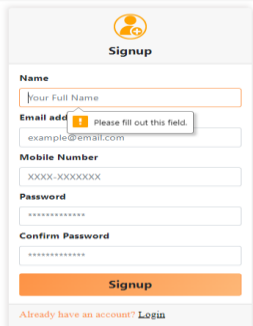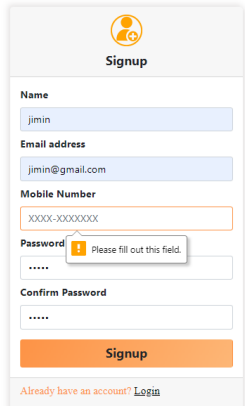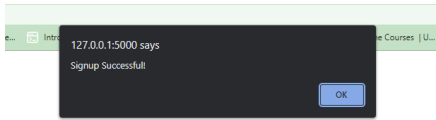
2. Test Plan:
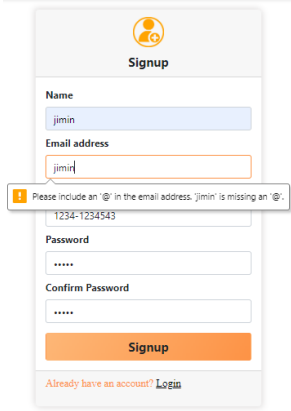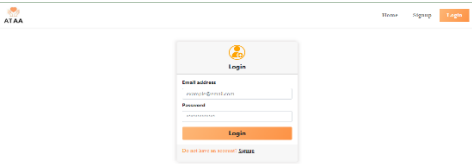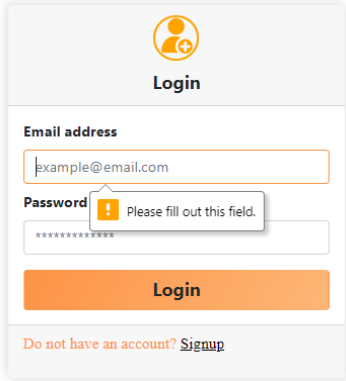
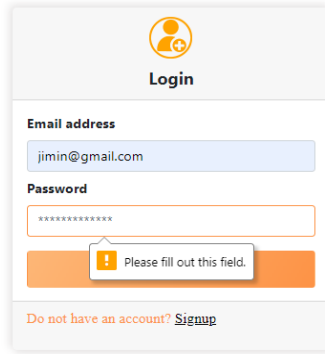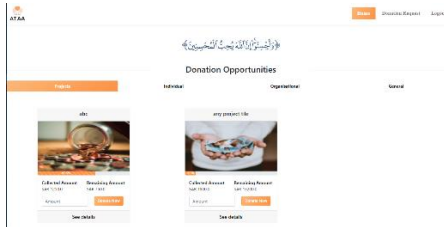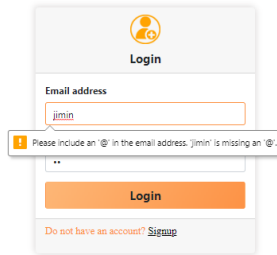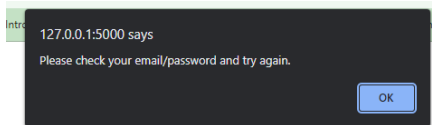| Test Scenario ID	Test Scenarios	Test Case ID	Test Cases
TS-001	**Create Account**	TS-C001	When signup button in navbar is clicked it redirects to sign up page.
		TS-C002	It should not register user if fields are not filled.
		TS-C003	All the fields should be filled. Otherwise shows warning message.
		TS-C004	Upon filling all the required info correct it display alert **"signed up successfully".**
		TS-C005	All fields format should be correct otherwise shows warning message.

TS-002	Login	TS-C001	When log in link in navbar is clicked it redirects to log in page.
		TS-C002	It will not login user if fields are not filled.
		TS-C003	All the fields should be filled. Otherwise shows warning message.
		TS-C004	Upon filling all the required info correct it redirects to home page with logged in status.
		TS-C005	All fields format should be correct otherwise
		TS-C006	It shows alert message if username/password is entered wrong at time of login.
TS-003	Donation-request	TS-C001	After sign in, donation-request link in navbar is clicked donation-request posting page should opened.
		TS-C002	It should not post user donation request if fields are not filled.
		TS-C003	All fields should be filled. Otherwise shows warning message.
		TS-C004	Upon filling all the required info correct it should go to **post the donation request in respective category.**
TS-004	Donation	TS-C001	For donating amount from the home page shown donation post amount should be entered otherwise it should show error message alert. Otherwise, should show **"amount donated successfully"** message.
		TS-C002	On clicking see details link from post it should goes to the donation post details pages.
		TS-C003	For donation amount section should be filled.

		TS-C004	When donation is done it should show message **"donated successfully".**
TS-005	**Logout**	TS-C001	On clicking logout link on the top right most side of navbar it redirects to web home page.

3. Test Results:

User Action	Desired Outcomes	Actual Result	Status
Create Account	1. When signup link in navbar is clicked, it should redirect to sign up page.	1. Signup page is opened upon clicking signup link in navbar.	True
	2. It should not register user if fields are not filled.	2. It shows warning messages that all required field should be filled.	
	3. All the fields should be filled. Otherwise shows warning message.	3. If any filled is left empty it shows message that all fields must be filled.	

	4. Upon filling all the required info correct it should display alert **"signed up successfully"**.	4. After signing up it shows alert message **"signed up successfully".** 	
	5. All fields format should be correct otherwise shows warning message.	5. If format is not correct it displays warning message. 	
User Login	1. When login link in navbar is clicked, it should redirect to login page.	1. Login page opened upon clicking Login link in navbar. 	True
	2. It should not login user if fields are not filled.	2. It shows warning messages that all required field should be filled. 	

	3. All the fields should be filled. Otherwise shows warning message.	3. If any filled is left empty it shows message that all fields must be filled. 	
	4. Upon filling all the required info correct it should go to **home page.**	4. After signing in it goes to home page. 	
	5. All fields format should be correct otherwise shows warning message.	5. If the format is not correct it displays error message. 	
	6. It shows alert message if username/password is entered wrong at time of login.	6. If entered wrong email/password it shows alert message. 	
Donation-Request	1. When after sign in, donation-request link in navbar is clicked it should redirects to donation-request posting page.	1. When after sign in, donation-request link in navbar is clicked donation-request posting page is opened.	True

2. It should not post user donation request if fields are not filled.

2. It will not post user donation request if fields are not filled.

3. All the fields should be filled. Otherwise shows warning message.

3. Shows error message if any filled is left unfilled.

4. Upon filling all the required info correct it should go to **post the donation request in respective category.**

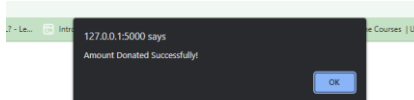4. On filling all the required field request is posted in selected category.

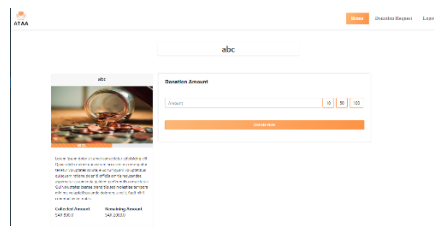| Donation	1. For donating amount from the home page shown donation post amount should be entered otherwise it should show error message alert. Otherwise, should show **"amount donated successfully"** message.	1. For donating amount from the home page shown donation post amount should be entered otherwise it shows error message alert. Otherwise, will show **"amount donated successfully"** message.	True
	2. On clicking see details link from post it should goes to the donation post details pages.	2. On clicking see details link from post it will goes to the donation post details pages.	
	3. For donation amount section should be filled.	3. For donation amount field should be filled otherwise shows error message.	
	4. When donation is done it should show message **"donated successfully"**.	4. When donation is done it should show message **"donated successfully"**.	
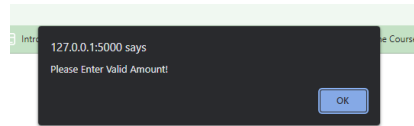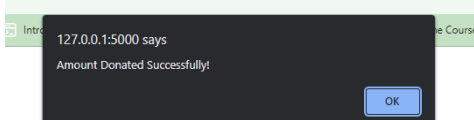
| Logout | On clicking logout link on the top right most side of navbar it should redirects to web home page. | On clicking logout link on the top right most side of navbar it will redirect to web home page. | |