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**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.

1. **Test Plan:**

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| --- | --- | --- | --- |
| **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. |

1. **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. 2. It should not register user if fields are not filled. 3. All the fields should be filled. Otherwise shows warning message. 4. Upon filling all the required info correct it should display alert **“signed up successfully”.** 5. All fields format should be correct otherwise shows warning message. | 1. Signup page is opened upon clicking signup link in navbar.      1. It shows warning messages that all required field should be filled.      1. If any filled is left empty it shows message that all fields must be filled.      1. After signing up it shows alert message “**signed up successfully”.**      1. If format is not correct it displays warning message. | True |
| **User Login** | 1. When login link in navbar is clicked, it should redirect to login page. 2. It should not login user if fields are not filled. 3. All the fields should be filled. Otherwise shows warning message. 4. Upon filling all the required info correct it should go to **home page.** 5. All fields format should be correct otherwise shows warning message. 6. It shows alert message if username/password is entered wrong at time of login. | 1. Login page opened upon clicking Login link in navbar.      1. It shows warning messages that all required field should be filled.      1. If any filled is left empty it shows message that all fields must be filled.      1. After signing in it goes to home page.      1. If the format is not correct it displays error message.      1. If entered wrong email/password it shows alert message. | True |
| **Donation-Request** | 1. When after sign in, donation-request link in navbar is clicked it should redirects to donation-request posting page. 2. It should not post user donation request if fields are not filled. 3. All the fields should be filled. Otherwise shows warning message. 4. Upon filling all the required info correct it should go to **post the donation request in respective category.** | 1. When after sign in, donation-request link in navbar is clicked donation-request posting page is opened.      1. It will not post user donation request if fields are not filled.      1. Shows error message if any filled is left unfilled.      1. On filling all the required field request is posted in selected category. | True |
| **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. 2. On clicking see details link from post it should goes to the donation post details pages. 3. For donation amount section should be filled. 4. When donation is done it should show message **“donated successfully”.** | 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.     1. On clicking see details link from post it will goes to the donation post details pages.      1. For donation amount field should be filled otherwise shows error message.      1. When donation is done it should show message **“donated successfully”.** | True |
| **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. |  |