Functional Requirements

1. Sign Up

- Taxpayer Sign Up

1. Name: Taxpayer will provide their first name and last name as per their NID.

2. Date of Birth.

3. Address.

4. Email.

5. Phone.

6. NID: User needs to enter their NID number.

2.Sign In

- NID/Lawyer License Id: User needs to enter their NID / Lawyer License Id number in the user text field. (For official login, a unique id will be provided).

- Password: User needs to enter their password in the “Password” text field.

- Authentication and Authorization: Sign In/Login will be based on authentication and authorization.

- User Login: The software will allow users to login with their given username and password.

- Verification with Database: The login credentials (username and password) will be verified with database records.

- Successful Login: If the login is successful, the home page of the user account will be displayed.

- Failed Login Handling: If the username and/or password has been entered incorrectly, a random verification code will be generated and sent to the user’s email address by the system to retry login.

- Login Attempts Limit: If the number of login attempts exceeds its limit (3 times), the system shall block the user account login for one hour.

3. Sign Out

- User can sign out from the software anytime after a successful login.

Non-Functional Requirements

- Security: Verification code generation and email sending for failed login attempts.

- Performance: The system should efficiently handle login attempts and block the account after three failed attempts.

- Usability: User-friendly sign-up and sign-in interfaces with clear instructions.

Constraints

- Login Attempt Limitatios: The system shall block the user account for one hour if login attempts exceed three times.

- Official Login Ids: For official logins, a unique id will be provided, ensuring that only authorized personnel can access certain functionalities.