# Web Application Features Documentation

## 1. Login Page

The Login Page allows users to enter their credentials to access their accounts. It includes two fields: Username/Email and Password. Additionally, there are links for 'Sign Up' and 'Forgot Password' for user convenience.

Implementation:

- Used Django's authentication system to handle user login.  
- HTML forms were created for input fields, and validation was implemented to ensure that users provide the necessary credentials.  
- Links for Sign Up and Forgot Password redirect to the respective pages.

## 2. Sign Up Page

The Sign Up Page allows new users to create an account. It includes fields for Username, Email, Password, and Confirm Password, along with a link to go back to the Login page.

Implementation:

- Created a registration form using Django forms.  
- Included validation to ensure the passwords match and the email is unique.  
- Redirected users to the Login page upon successful registration.

## 3. Forgot Password Page

The Forgot Password Page allows users to request a password reset. It includes a field for Email and a button to send reset instructions.

Implementation:

- Created a form to capture the user's email address.  
- Implemented Django's built-in password reset functionality to send an email with a reset link upon button click.

## 4. Change Password Page

The Change Password Page allows authenticated users to update their password. It includes fields for Old Password, New Password, and Confirm Password.

Implementation:

- Restricted access to this page using Django's authentication decorators.  
- Implemented a form to verify the old password and update the new password if the old one is correct.

## 5. Dashboard

The Dashboard is the main page for authenticated users. It greets the user and provides links to their Profile and Change Password pages.

Implementation:

- Created a view to display a greeting message.  
- Added links for Profile and Change Password that redirect to their respective pages.  
- Included a logout option that clears the session.

## 6. Profile Page

The Profile Page displays user information, including Username, Email, Date Joined, and Last Updated. It also provides options to go back to the Dashboard and logout.

Implementation:

- Created a view that fetches user data from the database and displays it.  
- Added links to return to the Dashboard and an option to logout.