**Login Page Documentation**

**Overview**

This Flutter login page provides users with a user-friendly interface to sign in to the application. It includes text fields for entering the username and password, along with a button to initiate the sign-in process. Additionally, it offers options for password recovery, social media sign-in, and user registration.

**Features**

* **Username and Password Fields**: Users can input their username and password to sign in.
* **Forgot Password**: Users can access the forgot password feature.
* **Sign In Button**: Initiates the sign-in process when clicked.
* **Social Media Sign-In**: Provides options for signing in with Google and Apple accounts.
* **User Registration**: Offers a link to register as a new member if the user is not already registered.

**Usage**

**Dependencies**

* Dart SDK
* Flutter

**Installation**

1. Add the necessary dependencies for **MyButton** and **MyTextField** components.
2. Clone the repository to your local machine.
3. Ensure that you have Flutter installed on your system.
4. Run **flutter pub get** to install the required dependencies.
5. Connect a device or start an emulator.
6. Run **flutter run** to launch the application.

**Functionality**

* **Entering Credentials**: Users can enter their username and password in the provided text fields.
* **Signing In**: Clicking the "Sign In" button validates the entered credentials. If the credentials are valid, the user is redirected to the start page. Otherwise, an error message is displayed using a snackbar.
* **Forgot Password**: Users can access the forgot password feature, although it is currently not implemented in the provided code.
* **Social Media Sign-In**: Buttons for signing in with Google and Apple accounts are displayed, but their functionality is not implemented in the provided code.
* **User Registration**: Users who are not registered can click the "Register now" link to register as a new member. However, the registration feature is not implemented in the provided code.

**Code Structure**

* **LoginPage**: The main screen of the application, containing the layout for the login page.
* **signUserIn**: A method to validate the entered credentials and initiate the sign-in process.
* **MyButton**: A custom button widget used for the sign-in button.
* **MyTextField**: A custom text field widget used for the username and password fields.

**Future Enhancements**

* Implement the forgot password functionality to allow users to recover their passwords.
* Integrate social media sign-in options with Google and Apple accounts.
* Implement user registration functionality to allow new users to register for an account.
* Add form validation to ensure that the entered credentials meet the required criteria.