

**COMSATS UNIVERSITY ISLAMABAD, ABBOTTABAD**

Human Computer Interaction

Lab Assignment # 01

***Submitted by:***

Hanzla Nouman FA21-BSE-015

Laiba Binte tahir FA21-BSE-019

Arfah Ali FA21-BSE-0801

***Submitted to:***

Sir Ahsan Riaz

# Interface Design for Project Proposal

**Overview**

The proposed interface includes two main screens: **Sign-In** and **Sign-Up**. Each is designed to be efficient and effective, with validation for secure user interactions.

**1. Sign-Up Screen**

* **Design Objective**: The sign-up screen allows new users to create an account with fields for username, email, and password.
* **Match Between System and Real World**: Labels like "Username," "Email," and "Password" align with common terminology, ensuring familiarity.
* **Error Prevention and Handling**: Form validation ensures that all fields are filled and that passwords meet security requirements. If errors occur (e.g., weak password or empty fields), the system provides clear messages to guide the user in making corrections.

**2. Sign-In Screen**

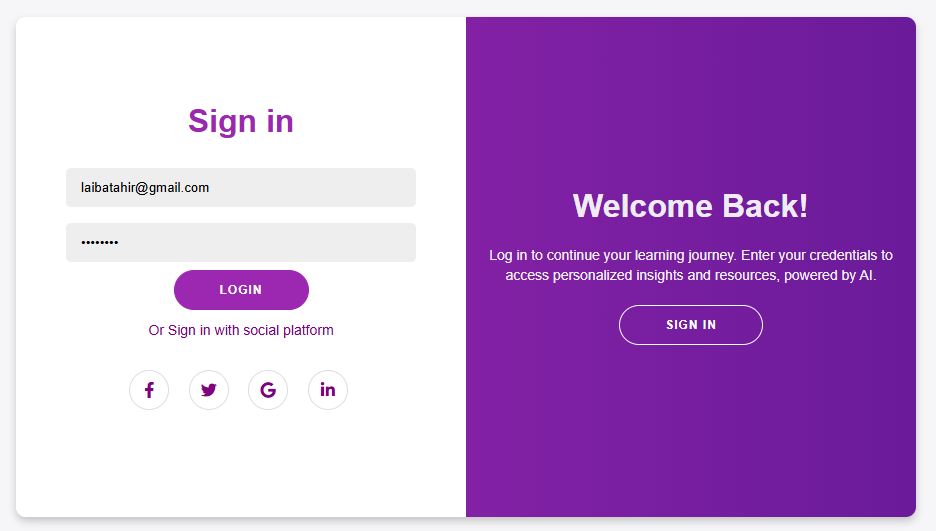
* **Design Objective**: A quick and intuitive login experience with fields for email and password.
* **Consistency and Standards**: The layout follows established sign-in conventions, maintaining uniformity and ease of use.
* **Visibility of System Status**: After entering credentials, the screen displays feedback messages, such as "Login successful!" for successful sign-ins or "Incorrect credentials" if the details are wrong. These messages help users understand their status in the system.

**Nielsen's Heuristics Applied:**

* **Visibility of System Status**: Immediate feedback messages for login attempts.
* **Match Between System and Real World**: Familiar terminology (e.g., "Sign In," "Sign Up") to align with users’ mental models.
* **Consistency and Standards**: The interface follows common sign-in and sign-up layouts.
* **Error Prevention and Handling**: Real-time validation and error messages help users correct issues before submitting forms.

**Findings on Efficiency and Effectiveness**

The current interface setup provides clear feedback and consistent design, offering a simple and efficient user experience that adheres to Nielsen’s heuristics. This helps meet customer satisfaction goals by focusing on user-centered design principles and usability.



A purple sign up and sign up form

Description automatically generated