

**UWINGABIYE Delphine**

**PHP Work on 23/11/2025**

## **1. Platform Chosen**

For this project, I chose **Facebook** as the platform to inspire the design and user interface.

The system uses Facebook-like colors (blue & white), simple layout, clean forms, and a dashboard similar to Facebook's minimal profile page.

## **2. Features Implemented**

### **User Authentication**

- **Sign Up page** with validation (no empty fields, valid email, password match).
- **Sign In page** supporting login via **username or email + password**.
- **Password hashing** using `password_hash()` for security.
- **Error messages** for wrong password, empty fields, or account not found.
- **Session management** to protect dashboard and CRUD pages.

### **Google Login (Mock)**

- A **"Login with Google"** button.
- Mock login that automatically creates/logs in a Google user (no API required).

### **Dashboard**

- Displays logged-in user name.
- Links to Posts CRUD and Customers list.
- Logout button.

### **Posts CRUD (Mini Social Feature)**

- Create a new post ("What's on your mind?" style).
- View all posts.
- Edit your own posts.
- Delete your own posts.

- Posts displayed from newest to oldest.

### Customers Module (Extra CRUD Display)

- customers table created.
- Display list of all customers in a clear table.
- Linked from dashboard.

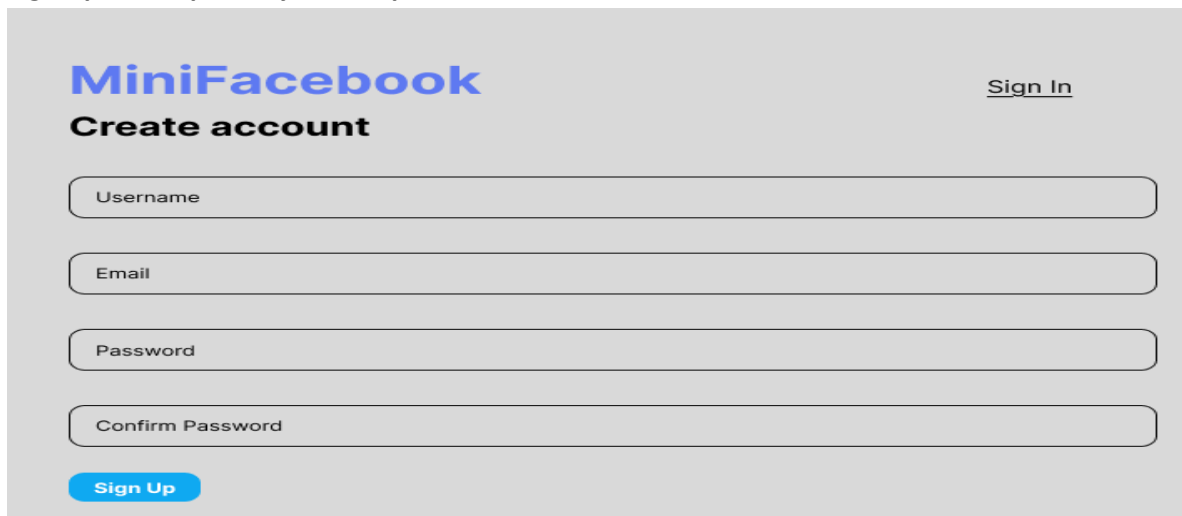
### Database

Tables used:

- **users** (login system)
- **posts** (social posting)
- **customers** (display module)

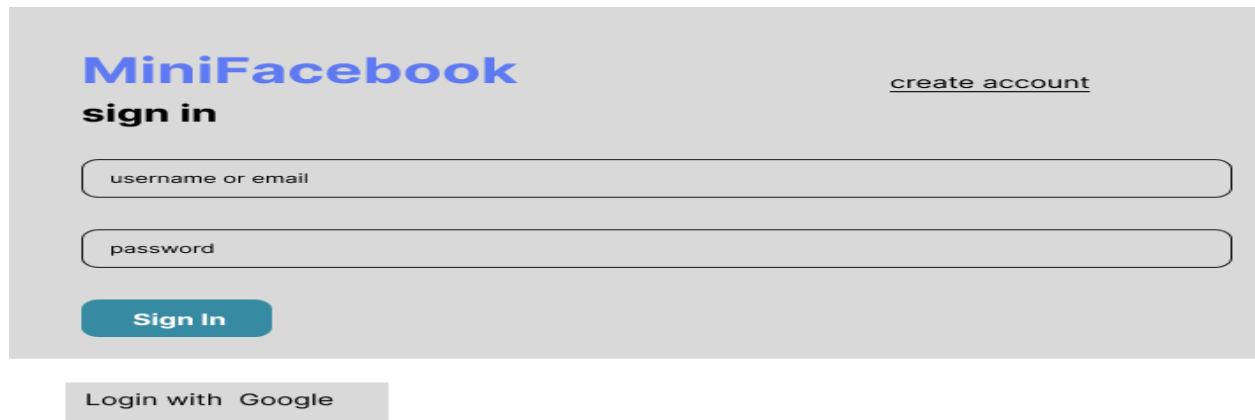
This is the screenshots of mockups and outputs:

Sign Up Mockup for my chosen platform facebook



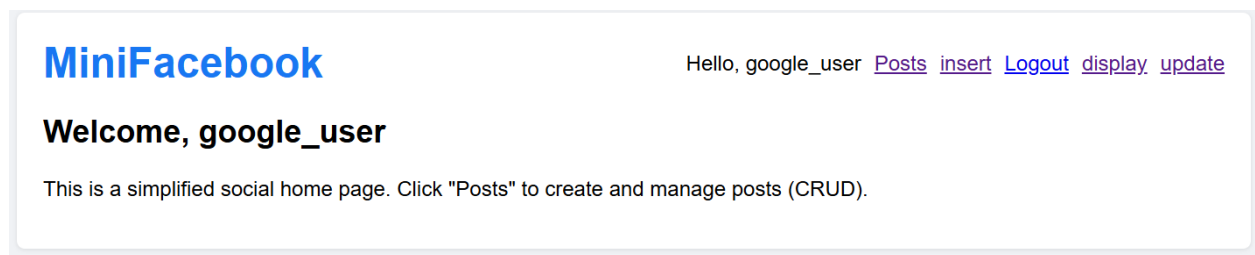
The image shows a mockup of a sign-up form for a platform called "MiniFacebook". The form is set against a light gray background. At the top left, the text "MiniFacebook" is displayed in a blue, sans-serif font, with "Create account" in a smaller, bold, black font directly below it. At the top right, there is a link that says "Sign In" in a small, black, underlined font. The form consists of four stacked input fields, each with a light gray border and rounded corners. The labels "Username", "Email", "Password", and "Confirm Password" are placed inside the first three fields. Below the "Confirm Password" field is a blue button with the text "Sign Up" in white. The entire form is centered on the page.

Sign In mockup for my chosen platform facebook I designed using Figma



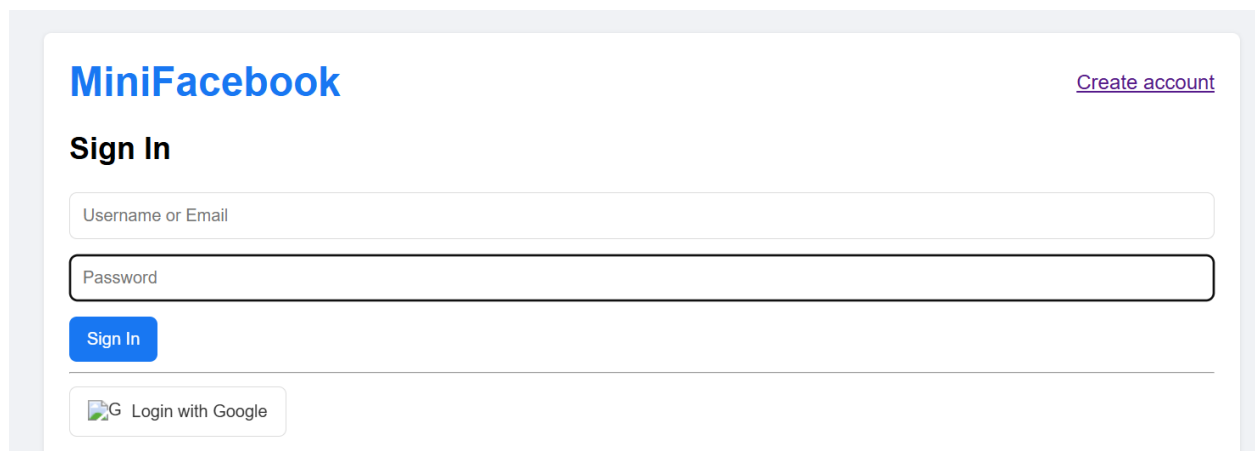
A mockup of a sign-in page for 'MiniFacebook'. The page has a light gray background. At the top left is the 'MiniFacebook' logo in blue, with 'sign in' in bold black text below it. At the top right is a link 'create account' in blue. Below the logo are two input fields: 'username or email' and 'password'. Below these is a blue 'Sign In' button. At the bottom is a gray button with the text 'Login with Google'.

This is output of Homepage.php



A screenshot of the homepage output. It features the 'MiniFacebook' logo in blue on the left. On the right, it says 'Hello, google\_user' followed by links 'Posts', 'insert', 'Logout', 'display', and 'update'. Below the logo, it says 'Welcome, google\_user' and a paragraph: 'This is a simplified social home page. Click "Posts" to create and manage posts (CRUD).'.

This is the output of Sign In of PHP I made



A screenshot of the sign-in page output. It features the 'MiniFacebook' logo in blue on the left. On the right, there is a link 'Create account'. Below the logo is the text 'Sign In'. There are two input fields: 'Username or Email' and 'Password'. Below these is a blue 'Sign In' button. At the bottom is a button with the Google logo and the text 'Login with Google'.

#### 4. Challenges Faced

- Ensuring proper form validation and showing correct error messages.

- **Connecting login system with CRUD pages using PHP sessions.**
- **Handling database structure (foreign keys, auto-increment IDs).**
- **Making the mock Google login behave like a real login without API usage.**
- **Fixing small issues like empty post errors and linking pages correctly.**
- **Styling pages to look similar to Facebook while keeping them simple.**