

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.

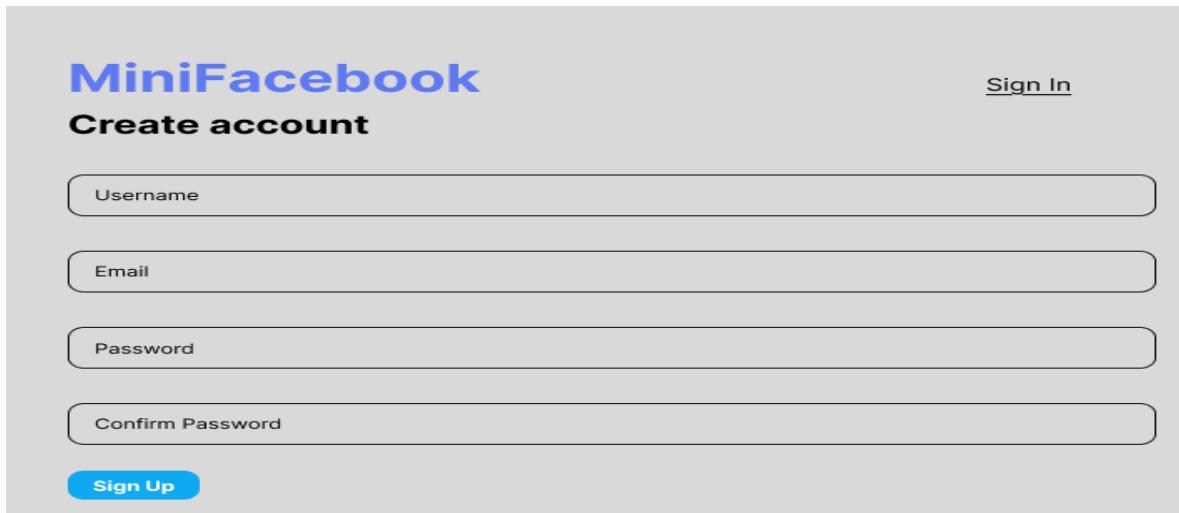
Database

Tables used:

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

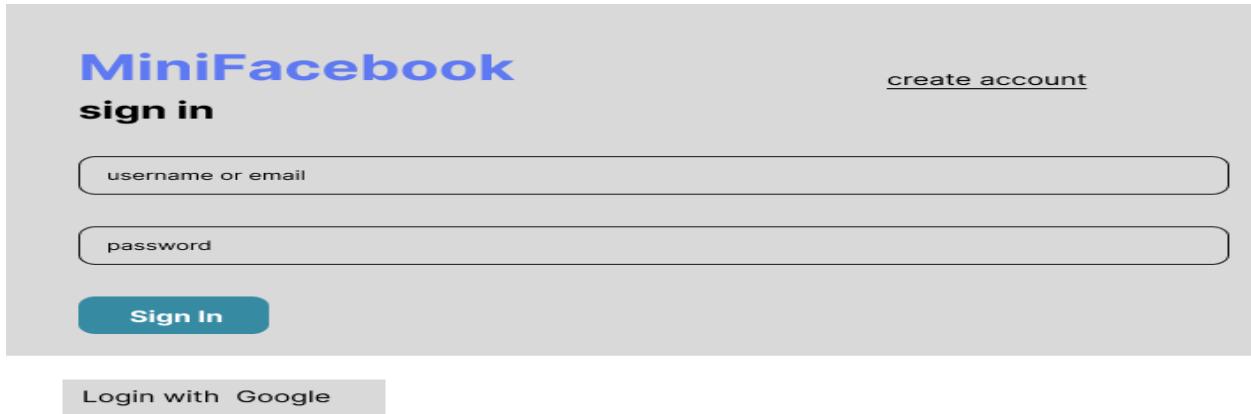
This is the screenshots of mockups and outputs:

Sign Up Mockup for my chosen platform facebook



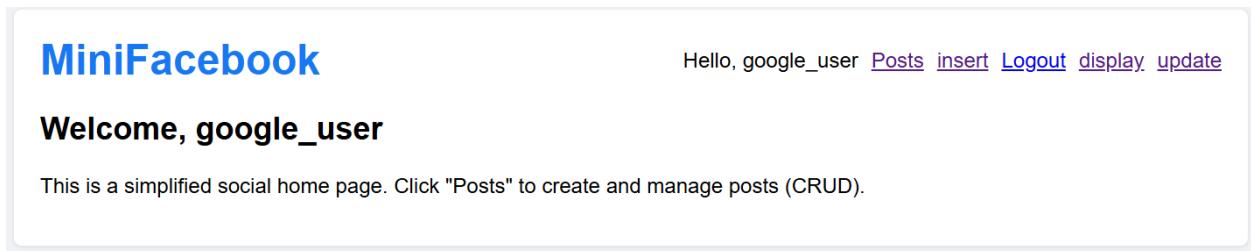
The image shows a sign-up form for a platform called "MiniFacebook". At the top left, it says "MiniFacebook" in blue text. To the right, there is a "Sign In" link. Below the title, there is a "Create account" button. The form consists of four input fields: "Username", "Email", "Password", and "Confirm Password", each with a placeholder text inside. At the bottom left of the form area, there is a "Sign Up" button with a blue background and white text.

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



The sign-in form for MiniFacebook. It features a header with the text "MiniFacebook" and "sign in". Below the header are two input fields: "username or email" and "password". A "Sign In" button is positioned below the password field. In the top right corner, there is a link labeled "create account". At the bottom left, there is a "Login with Google" button.

This is output of Homepage.php



The homepage output from Homepage.php. It displays the "MiniFacebook" logo at the top. To the right, it shows a greeting "Hello, google_user" followed by links for "Posts", "insert", "Logout", "display", and "update". Below the logo, the text "Welcome, google_user" is displayed. A message states: "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



The sign-in form output from a PHP script. It includes the "MiniFacebook" logo and a "Create account" link in the top right. The form itself is titled "Sign In" and contains two input fields: "Username or Email" and "Password". A "Sign In" button is located below the password field. At the bottom left, there is a "Login with Google" button.

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.