Assignment Title: ZedMemes – A Single Page Meme Sharing Platform

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Assignment Brief

You are required to develop a **single page application** named **ZedMemes**, a responsive and mobile-first website where users can **view, upload, and react to memes**. The site will combine server-side programming (PHP & MySQL) with front-end development (HTML, CSS, JavaScript) using one of the allowed CSS frameworks.

This project will test your ability to build a **dynamic, user-interactive, database-driven website** using industry-relevant tools and concepts.

Assignment Requirements

1. Main Features

A. Meme Feed Page

- The application must load with a **grid layout of meme images**.
- The grid should be **responsive** (mobile-first design).
- Each meme should display:
  - The image
  - Reaction buttons: **Like, Upvote, Share, Download**
  - Total count of each reaction

B. User Authentication

- **Sign Up** and **Sign In** must be done using **popup modal dialogs**, not separate pages.
- Authenticated users should stay on the same page after logging in.
- Use **PHP and MySQL** for user session handling and data storage.

C. Meme Submission

- Only **logged-in users** can post memes.
- Memes must be **image-only uploads**.
- The upload form must appear in a **modal popup**.
- Uploaded memes are stored in a server directory and recorded in a database table.

D. Meme Reactions

- Users should be able to:
  - Like a meme
  - Upvote a meme
  - Share the meme (via simulated sharing or link copying)
  - Download the meme
- Reactions must update dynamically without reloading the page (use **AJAX/jQuery**).

Technical Specifications

A. Frontend Technologies

- HTML
- CSS
- JavaScript (jQuery is allowed)

B. Backend Technologies

- PHP (for server logic and file uploads)
- MySQL (for database and data storage)

C. Database

- Use **MySQL** to store:
  - User information
  - Uploaded memes
  - Meme reactions
- You are free to design your own schema. Use good relational design practices.

D. CSS Frameworks

Choose **ONE (1)** of the following CSS frameworks to build your layout and design:

- **Burma**
- **Materialize CSS**
- **Semantic UI**
- **Foundation**
- **Tailwind CSS**
- **Pure CSS**

⚠ **Note: Bootstrap is strictly not allowed**.

Design Guidelines

- Your page must be **mobile-first**, adapting well to small screens.
- Use **flex/grid layout systems** from your chosen CSS framework.
- Use modals (popup dialogs) for login/signup and meme submission.
- Apply good UX principles: clear feedback, minimal design, and accessible interactions.

Submission Requirements

You must submit:

A. Working Website Folder

- All files: PHP scripts, JS files, CSS, images, database schema (.sql), and asset folders.
- The site must run locally or on a PHP-supported web server (e.g., XAMPP, WAMP).
- Include a README.txt file with:
    - Setup instructions
    - Default test account(s)
    - Any dependencies

B. Design Document (2 pages)

Write a short design report summarizing:

1. **Chosen CSS framework** and why you chose it.
2. **Database design**: Include table names, columns, and relationships.
3. **Frontend and backend structure**: Overview of how pages interact with the backend.
4. **Challenges faced and how you resolved them**.

Other Notes

- Deadline is Thursday, 17th July. Assignment will be demonstrated in class during class time. File will be submitted by the group leader (fixing all issues encountered during live demo) by Friday, 18th July at 17:00.
- The mark you will get will be multiplied with your attendance percentage. So, if you have never attended a class, spare yourself the trouble ☺