

CS215: Web and Database Programming

Assignment 3

Submission Log

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Section A: PHP Database Entry & File Upload

Contributor: Mehrab Hossain

1. Sign-up Page:

- Validated form data to ensure all required fields were present and did not contain illegal data. Displayed a generic error message for invalid input.
- Added valid user data to the database and redirected users to the Main Page.
- Implemented avatar upload functionality by moving the file to an appropriate directory and saving its URL in the database.

2. Blog Post Creation Page:

- Validated blog post content and uploaded images.
- Saved blog post data (user ID, creation date/time) to the database, linking posts to their creators via a foreign key.
- Enabled users to upload featured images, handling file placement and database URL storage. Redirected to Blog Management Page post-submission.

3. Blog Post Detail Page – Comment Form:

- Validated comments to ensure non-empty content.
- Saved valid comments (user ID, post ID, date/time) to the database, linking comments to posts and users.
- Ensured the page refreshed to display new comments.

4. Up-Vote and Down-Vote:

- Implemented functionality to save up-vote/down-vote actions to the database, ensuring they were linked to comments and users.
- Added logic to prevent duplicate votes or allow users to change their votes.

Section B: PHP Database Query & Dynamic Page Generation

Contributor: Nahid Al Hasan

1. Main Page:

- Queried the database to retrieve the five most recent blog posts. Displayed truncated content, user screen names, avatars, publication dates, and comment counts.
- Created dynamic links to the Blog Post Detail Page for each post.

2. Main Page – Login Form:

- Verified user email and password through database queries. Managed session variables to maintain login state. Displayed appropriate error messages for invalid credentials.
- Redirected users upon successful login to update page content reflecting their logged-in status.

3. Blog Management Page:

- Retrieved all blog posts created by the logged-in user, displaying content, featured images, and comments with metadata (usernames, avatars, date/time, up-votes/down-votes).
- Provided links to Blog Post Detail Page for individual posts.

4. Blog Post Detail Page:

- Retrieved blog post content (including metadata and featured images) and all associated comments.
- Ordered comments by highest voting scores (up-votes minus down-votes).
- Created voting buttons for logged-in users to up-vote or down-vote comments dynamically.

Section C: Session-Level Authorization

Contributor: Parthibuzzaman

1. Main Page:

- Displayed user details, a logout button, and a Blog Post Management Page link for logged-in users.
- Allowed only authenticated users to access blog post detail links.

2. Blog Management Page:

- Restricted page access to authenticated users. Used session variables to fetch and display posts created by the logged-in user.

3. Blog Post Creation Page:

- Ensured only authenticated users could access this page. Used session data to create blog posts linked to the user.

4. Blog Post Detail Page:

- Restricted page access to authenticated users for comment submission and voting actions.
- Verified user authentication before allowing up-vote/down-vote operations or adding comments.