

1. LOGIN:

User can either log in or create an account.

Queries:

- 1.From “users” table matches user_id and password

2. REGISTER:

User can either register or go to log in page.

Queries:

- 1.Insert into “users” table –
Uses trigger to confirm no cells are empty

3. HOME:

User can access to his profile, gyms, contests, blogs, or user rankings.

4. BLOGS:

Shows all the blogs.

Queries:

- 1.Selects all blogs from the “blog” table

5. GYMS:

Shows all the gyms. Also, user can search the gyms by their titles.

Queries:

- 1.Select all from “gyms”
- 2.Shows the titles which matches the search

6. RANKINGS:

Shows all the users according to their rating.

Queries:

- 1.Select all users according the ascending order of their rating

7. CONTESTS:

Displays the list of ongoing contests.

Queries:

- 1.Selects all “contests”

8. CONTEST-DETAILS:

Provides detailed information about a specific contest.

Queries:

- 1.Selects the the contest details from “contest” table based on the contest_id
- 2.Retrieves associated problems from the “problmes” table

9. CREATE-CONTEST:

Allows user to create a contest.

Queries:

- 1.Inserts a new entry in the “contests” table

10. CREATE-CONTEST-PROBLEM:

User can create the problems included in a specific contest.

Queries:

- 1.Inserts a new problem entry in the “problems” table associated with the contest

11. GYM-DETAILS:

Displays the details of a specific gym.

Queries:

- 1.Selects the the gym details from “gyms” table based on the gym_id
- 2.Retrieves associated problems from the “problems” table

12. CONTEST-PROBLEM:

Displays the details of a specific problem of that contest. Takes submission of the problem when user is logged in.

- 1.Selects the problem details from “problems” of that specific problem_id
- 2.Inserts into “submissions” table
- 3.Updates the rating of a user if submission is correct

13. GYM-PROBLEM:

Displays the details of a specific problem of that contest. Takes submission of the problem when user is logged in.

- 1.Selects the problem details from “problems” of that specific problem_id
- 2.Inserts into “submissions” table.

14. PROFILE:

Displays the details of a user.

Queries:

Total Triggers Created: 5

Simple Queries: 15

Advanced: 6