Department of Computer Science and Engineering
University of Notre Dame

CSE 40746 - Advanced Database Projects
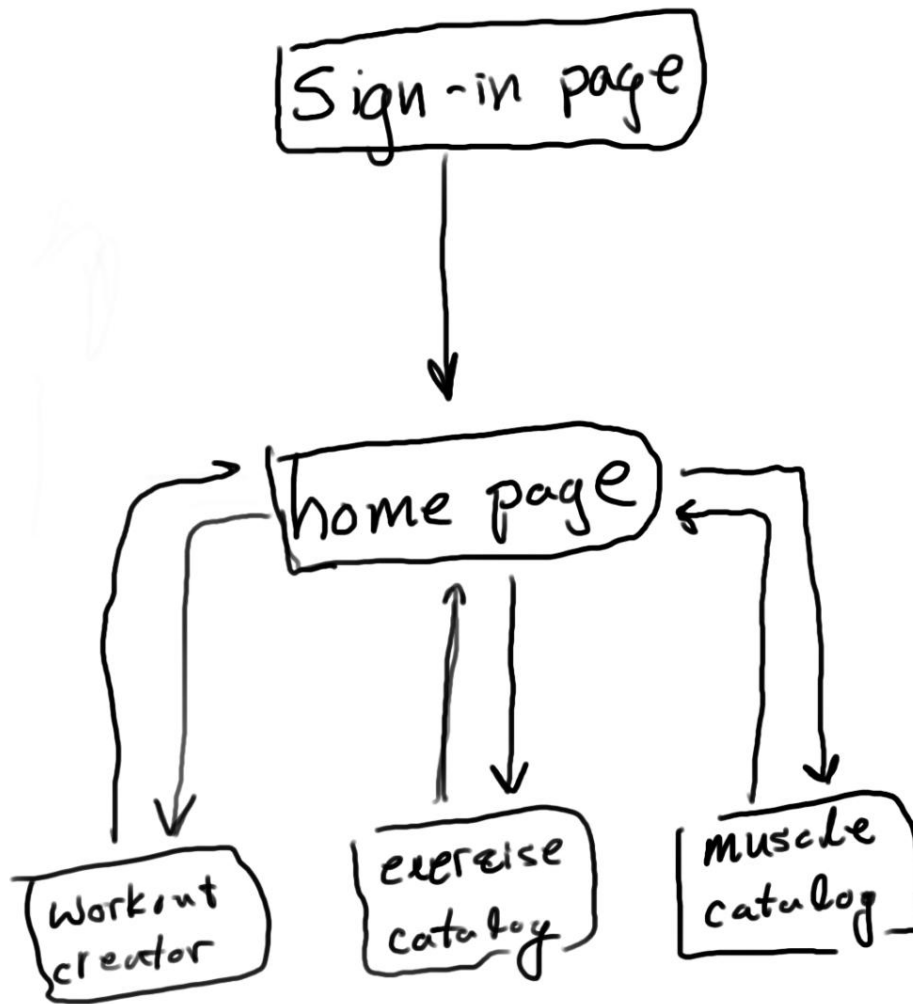**Spring 2023**

Final Project


Group 4 - Site Navigation

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# Site Heirarchy/Control Flow

Our plan for site hierarchy is for there to be a main homepage, from which the user can select which page they would like to split off to. It might be useful to add buttons on destination pages to allow the user to branch to the other destination pages without having to go back to the home page, but this is our plan at this point. Early-stage page mockups and descriptions are as follows:

1. Sign in page:
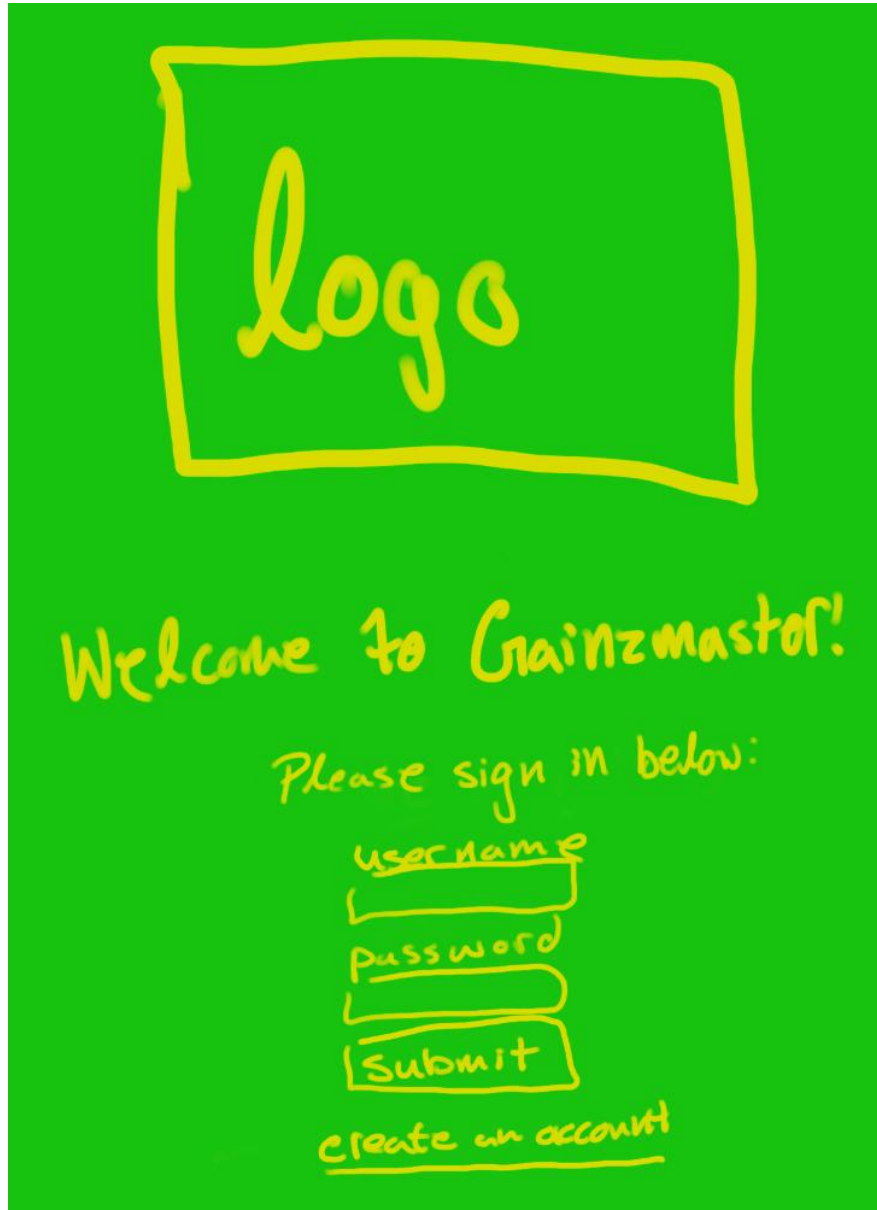
Our sign-in page is quite standard, featuring our logo, a welcome message, and a prompt to sign in/create an account.

2. Home page
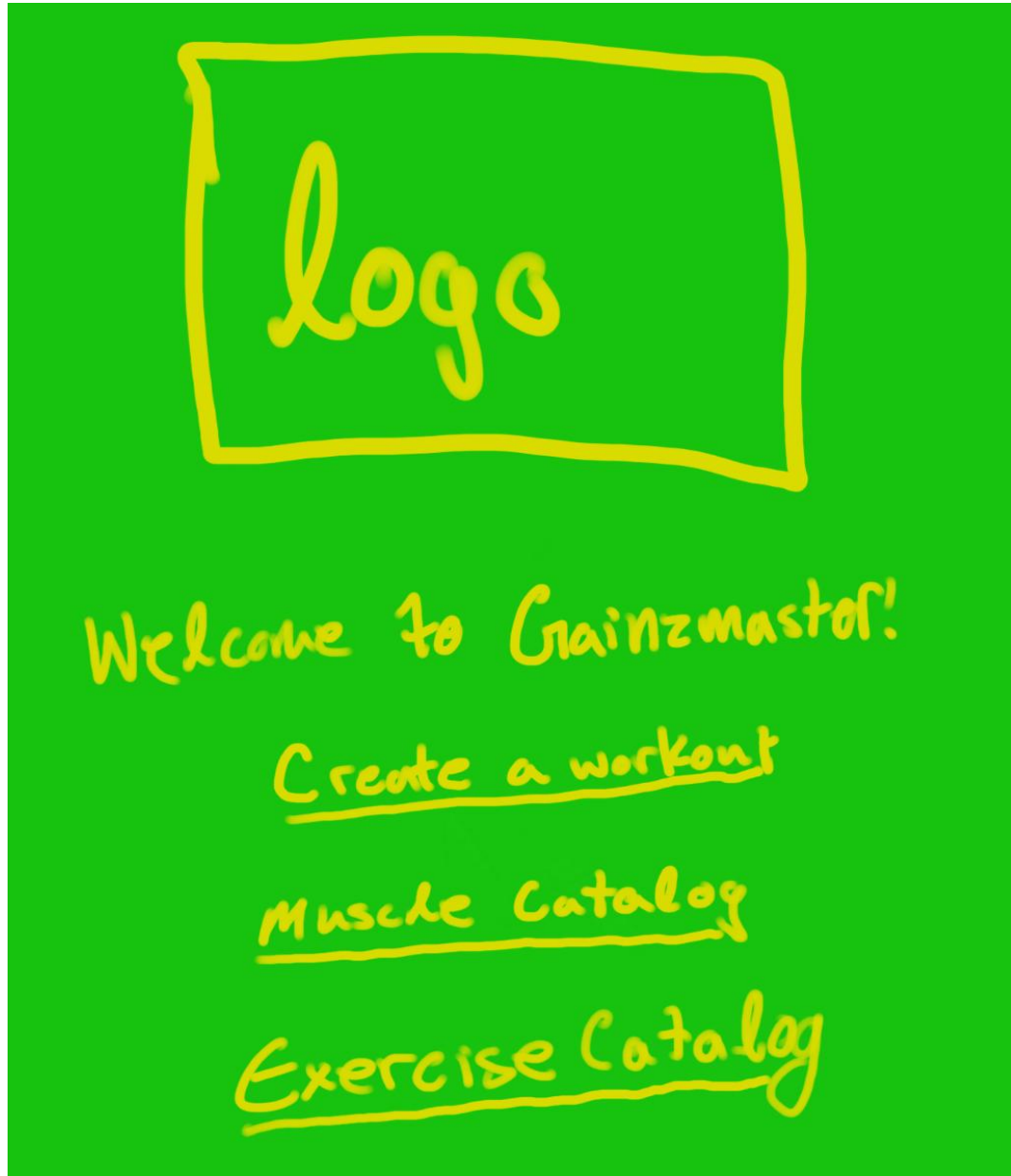
Our home page is quite similar to our sign-in page, prompting the user to select one of the three hyperlinks to our destination pages.

3. Workout Creator

Our first destination page, the workout creator, displays a banner, which serves as a button to get back to the home page, and contains our logo, team name, and the name of the page. This particular page prompts the user for the number of exercises they'd like, the range of reps they would like for each exercise, and the desired muscle targets in the workout. Finally, the create my workout button will query the database for exercises that fit the user's desires, and return a workout in the form of workouts, sets per workout, and reps per set.

4. Workout Catalog

Similar to the workout creator, the muscle catalog displays the same banner. On this endpoint, the user can query our database for specific workouts based on the specific muscle the workout works (i.e. triceps bracii - a specific muscle in the triceps group), the muscle group the workout works (i.e. triceps), and/or search the workout by name. This query will return a table or workouts, displaying information on each workout.

5. Muscle Catalog

Our final endpoint will be our muscle catalog. Like the other two destination pages, this page displays the same banner. This catalog is very similar to the workout catalog, but here the user can find information about specific muscles, by searching either by muscle group or searching by name.