

**Department of Computer Science and Engineering
University of Notre Dame**

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

Final Project



Group 4 - Project Plan

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Workflow Plan

Our workflow plan will illustrate the more top level details of our design, while the timeline will describe the intricacies related to exact deadlines

1. Finish Scraper for Muscles Table and Exercises Table to insert data
2. Pick technology stack (vue & REST api, etc...)
3. Work on user creation and home page
4. Establish detailed views for each muscle and each exercise
5. Make comprehensive navigation elements to each of the above pages
6. Work on user inputted elements and recommendation logic
7. Apply CSS to make pages more appealing
8. Final touches

Timeline

Date	What Needs to be Completed
Fri 4/7	finish scraper that outputs a csv and create database tables
Tue 4/11	parse csv and enter all non-user-dependent data to the tables
Thu 4/13	create login/signup/home page
Fri 4/14	ensure user-dependent data is entered into database with no issues
Tue 4/18	site navigation map
Thu 4/20	create suggested exercise logic that randomly selects different workouts that target similar muscle groups
Mon 4/24	create frontend functionality that builds and displays workout logs
Tue 4/25	progress report
Sun 4/30	final design
Thu 5/4	presentation and report
Sun 5/7	final release of code
Mon 5/8	references and user guide

Thu 5/11	video
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Major Milestones

- ☐ Scrape Web for data on muscle groups and exercises
- ☐ User login, signup, and home page
- ☐ Detail views for each muscle, and each exercise
- ☐ Navigation linking all detail views together
- ☐ Exercise recommendation and workout plan creation
- ☐ Styling and overall performance enhancements