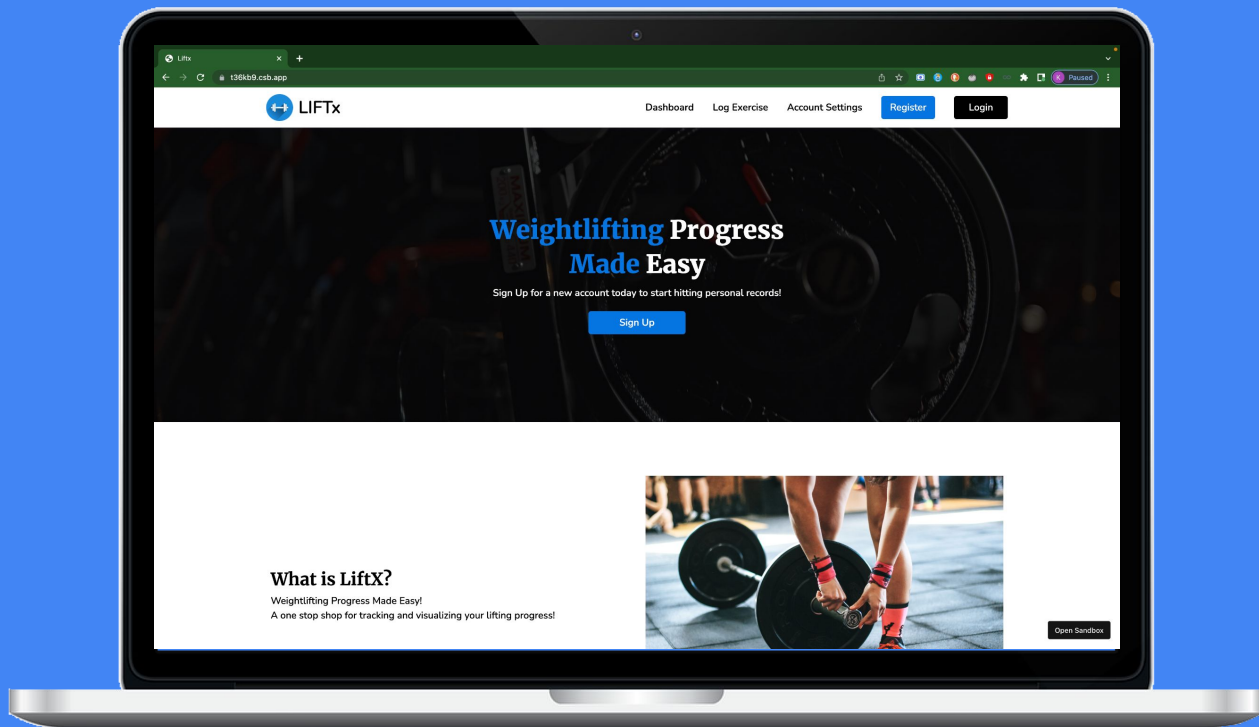


# LiftX

Team 3

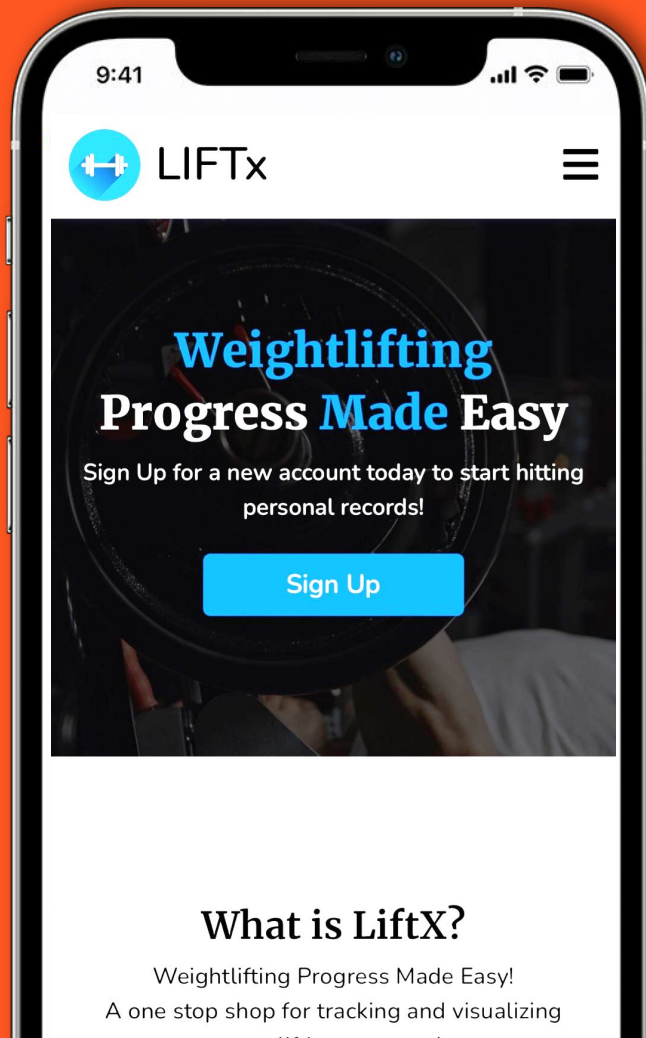


# Agenda

1. Concept Recap
  2. System Analysis
    - a. Framework
    - b. System Diagram
    - c. Actor Identification
    - d. Architectural Style
    - e. Design Pattern
  3. Functional/Structural Design
    - a. Class Diagram
    - b. Sequence Diagram
  4. Demo
-

# The Idea

- Tracks lifting progress
- Visualizes the tracked lifting progress
- Sends reminders
- Suggests exercises to implement

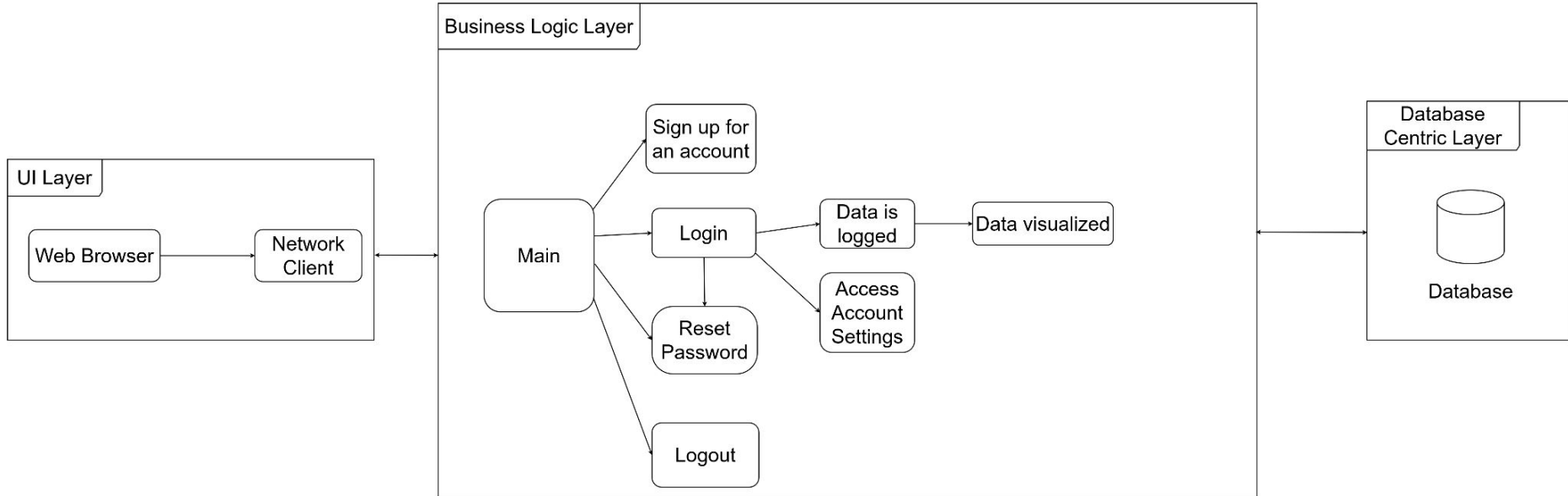


# System Analysis

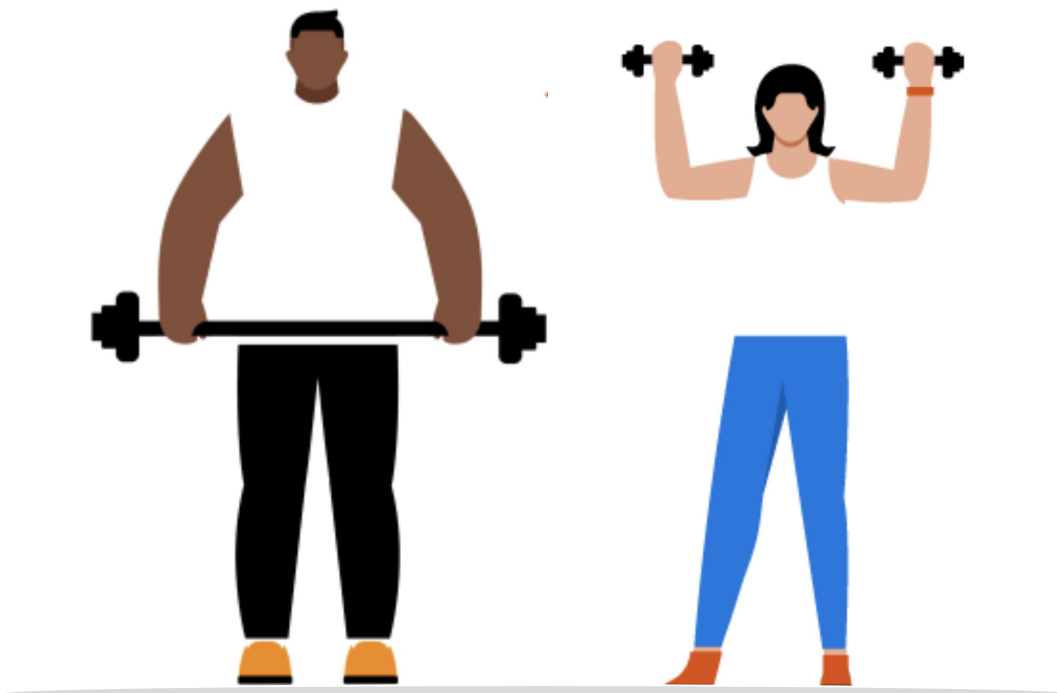
# Framework



# System Diagram



# Actor Identification



# Architectural Style

LiftX will use a three-tier architecture in the form of:



**UI Layer**

**Business Logic Layer**

**Database-Centric Layer**

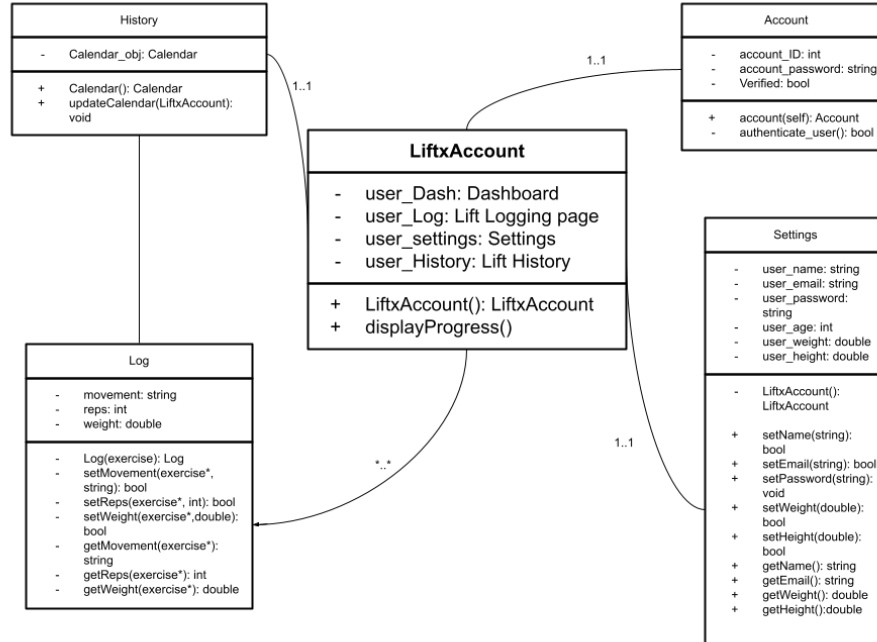


# Design Pattern

- The Adapter Design Pattern will be primarily used in our application
- Data from the database-centric layer will be pushed into a class in the business logic layer
  - This gets done through the use of an adaptor class

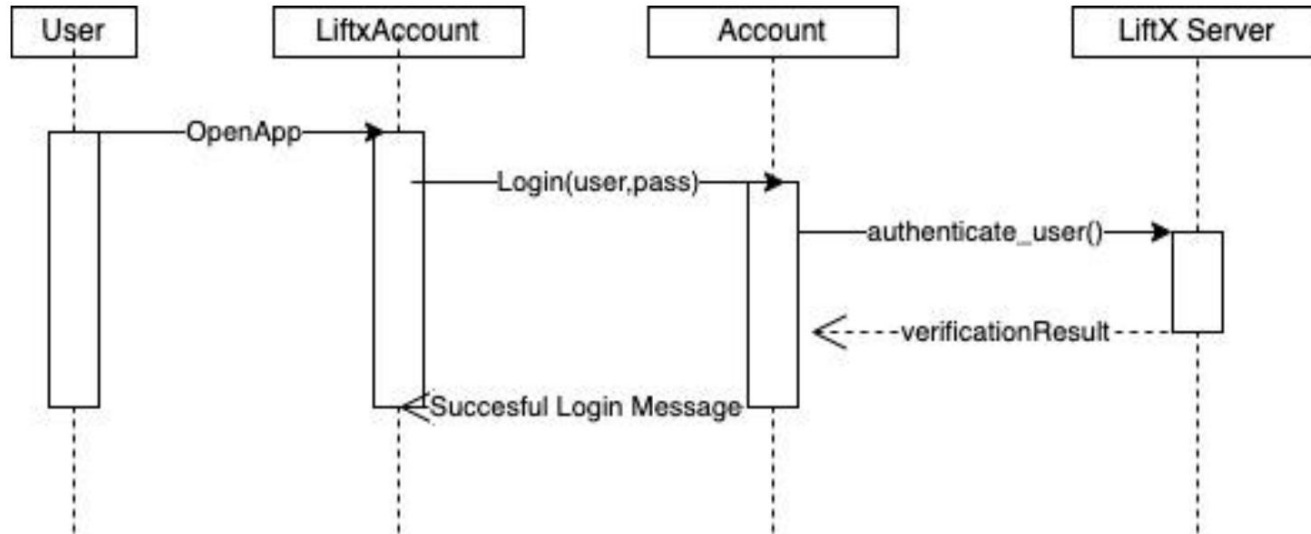
# **Functional & Structural Design**

# Class Diagram



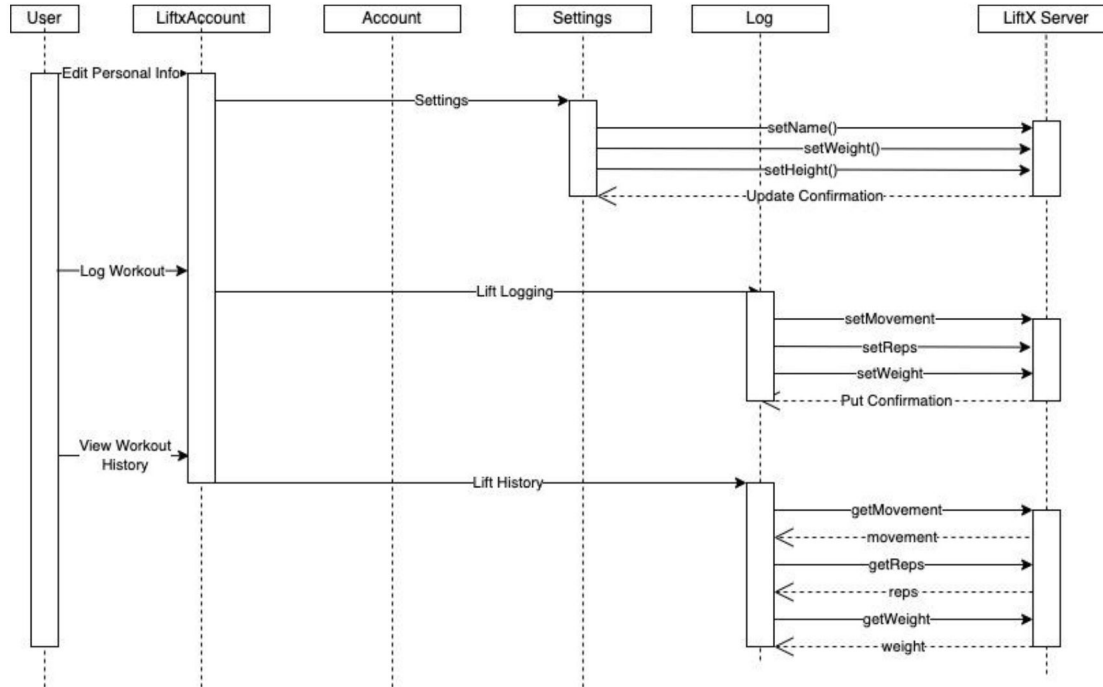
# Sequence Diagram

## Web Application Login



# Sequence Diagram

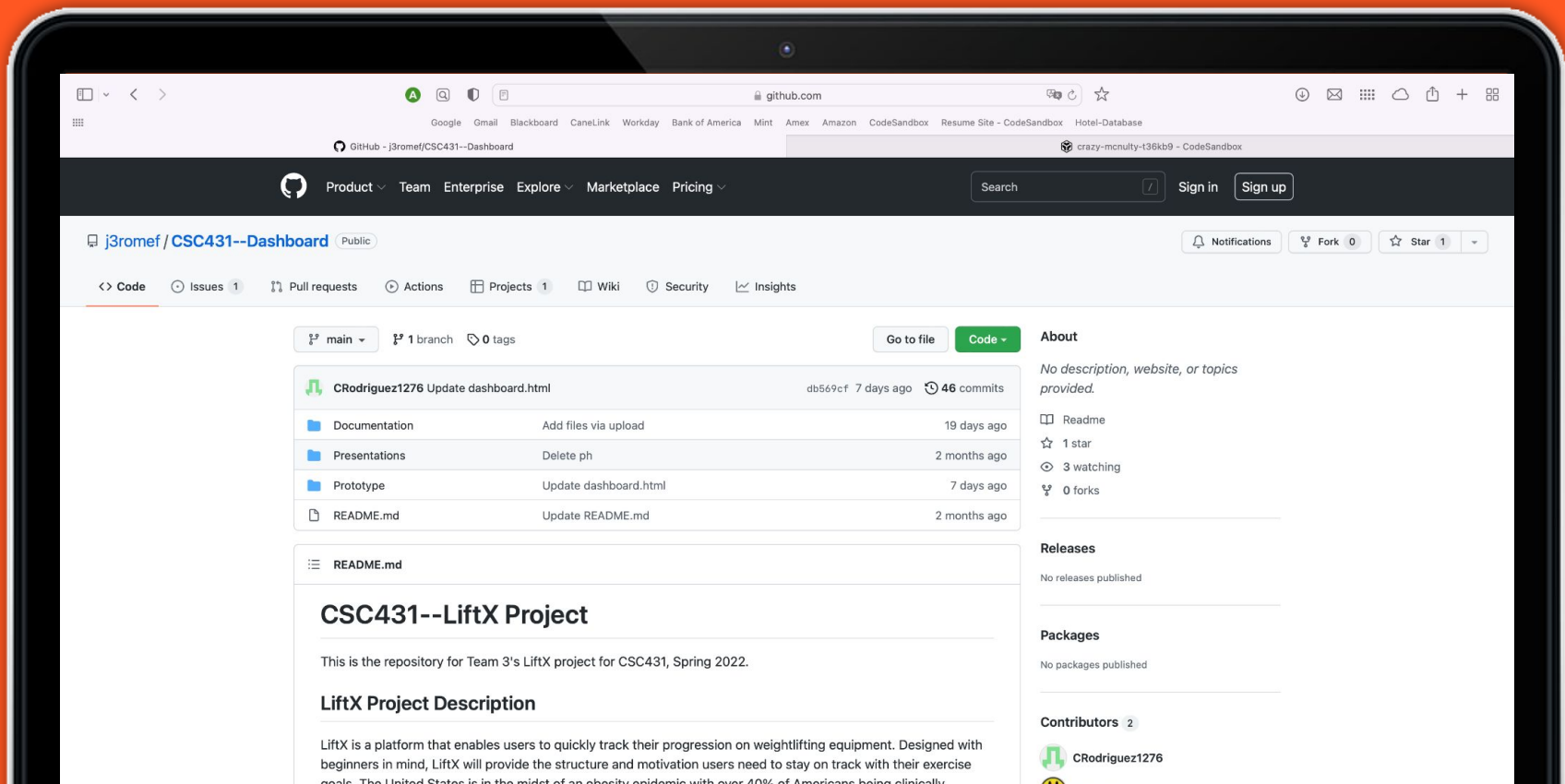
Updating Personal Info, Logging Workout and Viewing Workout History



**Demo**

# Visit Our Github

<https://github.com/j3romef/CSC431--Dashboard>



**Q&A**