

Maansi Patel, Diep Vu, Isabel Ogilvie, and Natalia Jimenez

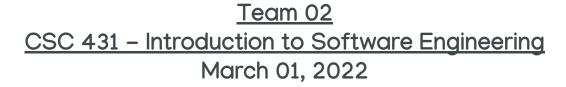


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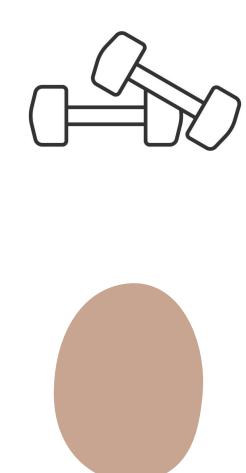
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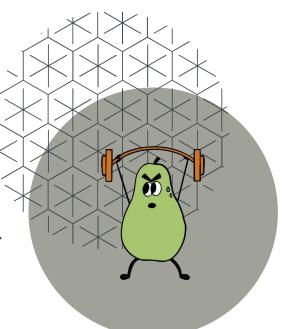
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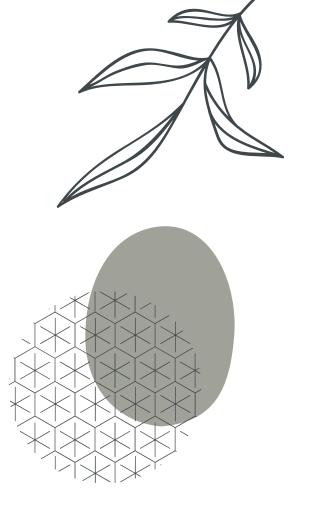
Ol Background



Problem:

- No idea where to start the workout journey
- Lack of exercise knowledge
- Lack of motivation
- Gym intimidation

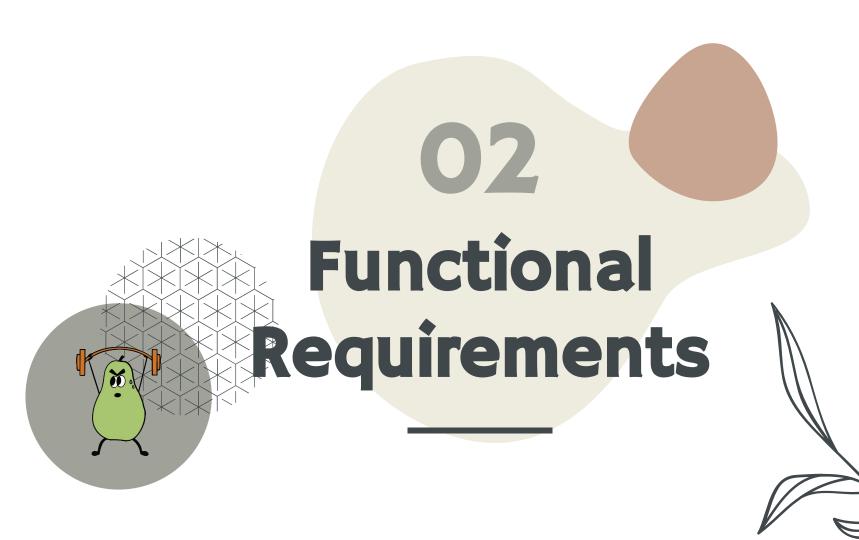
Solution: UFIT



Summary: Mobile Workout App

- Help achieve personal fitness goals by customizing workout plans
- Connect gym buddies to work out with based on fitness goals and location.
- Recommends suitable gym locations with the necessary equipment to achieve their goals nearby
- Target age group is 18 40

College students & Young professionals



Registering an Account



• Create new user

account

- Phone Number/Email
- Username and

Password



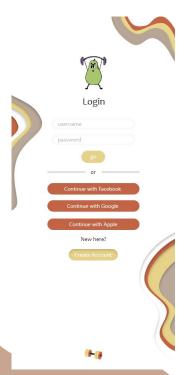
Log into Account

- After registering
- Enter Username and

Password

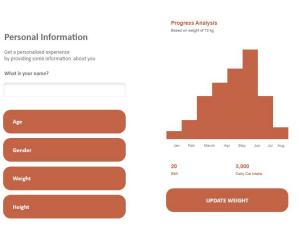
Access all app

features after















Progress



Input Workout Preferences

- Workout Intensity
- Injuries (if any)
- Targeted MuscleGroups
- (No) Equipment

View Fitness Progress

- Weight Change
 - Graph
- BMI Changes
- Calories Burned

View and Select Workout Plans

- Based on Preferences
- List of Workout Options
- User selects one

Guide User through Workout

- Pictures and Videos to demonstrate each exercise
- Timer
- Motivating Alerts

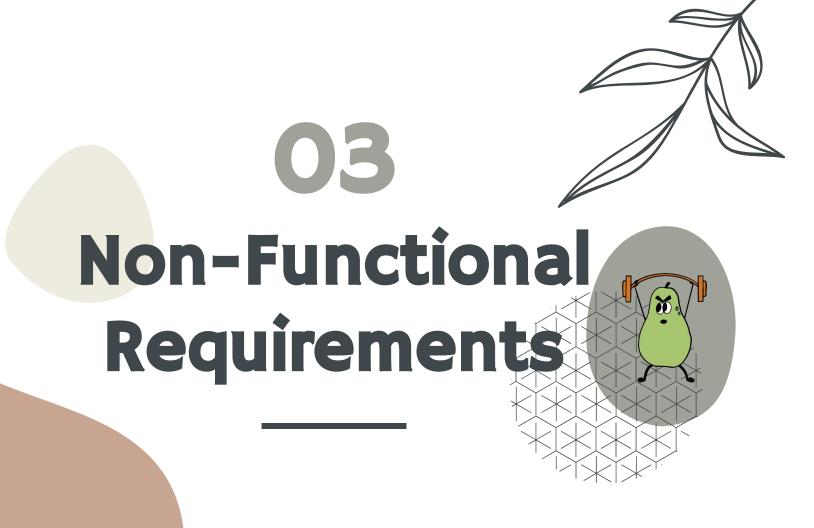


Connect Users

- Gym BuddiesFeature
- Find and Chat with other Users

Locate Local Gyms

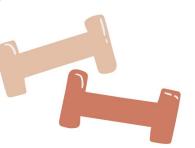
- Use locationservices to findnearby gyms
- Link to their website

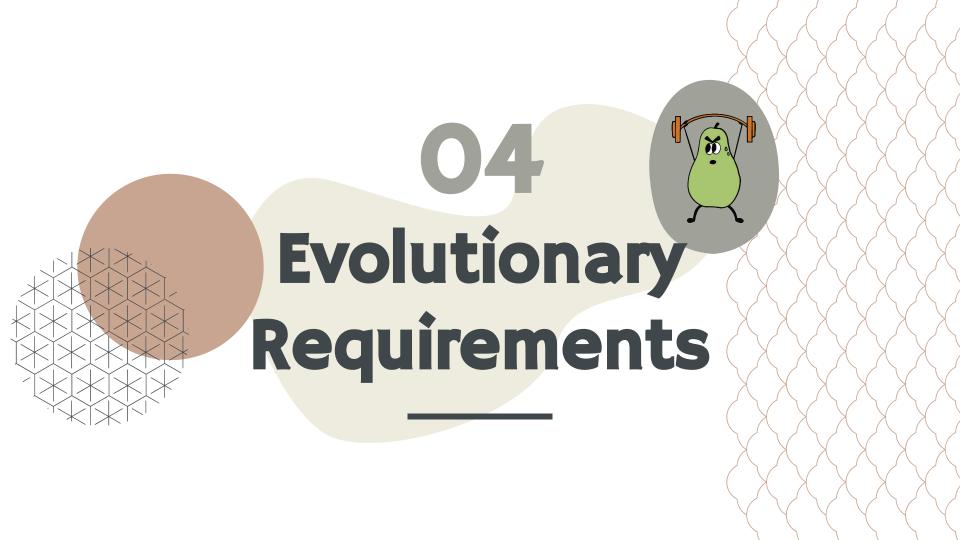


Secure user's information: User login data and information will be encrypted

Preferences Matcher Compatibility: Users match with others based on a user-defined percent compatibility threshold

Reminder Notifications: Users will receive app notifications reminding them when a match is found or when they have not signed in for workouts for a while



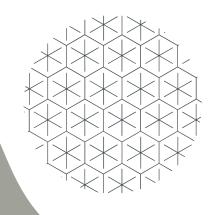


Suggested Diet Plan: A weekly diet based on user's nutrition preferences and physical activity intensity

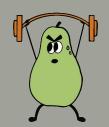
Points-based Competition System: allows users to compete with friends by gaining points after each workout

Message Encryption: User's chats with their matches will be confidential

Personal Trainers: Allows users to find or be personal trainers



O5SystemConstraints





System Constraints

Tool Constraints

- Mobile Application
 Framework Constraint
 - Node.js: fullstack and cross-platform

Language Constraints

- Backend Framework
 - Javascript
- Frontend Framework
 - React.js Javascript, HTML, CSS



System Constraints (cont'd)

Platform Constraints

- Mobile Application Platform
 - Both iOS and Android

Hardware Constraints

- Hardware Constraints
 - Iphone, Android, Tablet
 - Minimum android 6.0, iOS 8.0
 - Internet Connection
- Storage Constraints
 - 25MB for initial download
 - Cloud services



System Constraints (cont'd)

Network Constraints

- Network Connection
 - Internet capabilities to connect local gyms and users
 - Some offline capability
- Messaging
 - Ability to transmit and receive messages

Deployment Constraints

- Amazon Lightsail
 Deployment
 - Manages cloud resources
 - Built in database management capabilities



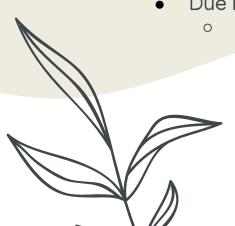
System Constraints (cont'd)

Transition & Support Constraints

GitHub Version Control

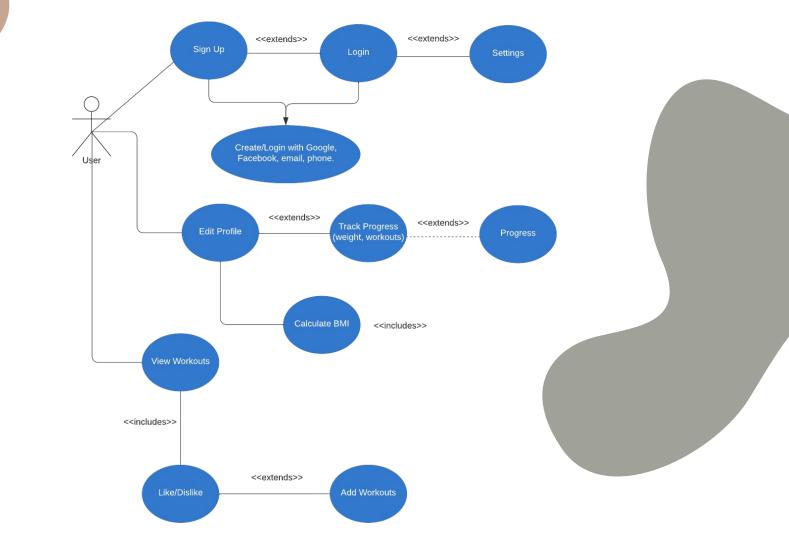
Budget & Schedule Constraints

- Budget
- Due Date
 - o May 2, 2022









Questions?

