Jimmy - Gym Buddy Finder

Connecting College Students Through Fitness

Find your fitness partner today!

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PROBLEM VS SOLUTION

PROBLEM

Balancing health and academics is tough for students, especially in a new environment.

SOLUTION

Jimmy connects students with similar fitness goals, fostering motivation and accountability.

The Perfect Balance?

What is Jimmy?

A fitness-focused platform for students to find workout buddies on campus.

01

FUNCTIONAL ASPECTS

KEY FEATURES

User Accounts — Registration via authenticated university email-ids

Profiles — Includes fitness background, preferences, and photos

Matching — Compatibility-based matching with update notifications

Messaging — Chat to know the partner more and coordinate workouts

Search — Filters for workout types, locations, goals, partner age and gender

REGISTRATION — PROFILE SETUP — MATCH — MESSAGE — MEET

BENEFITS

FOR STUDENTS

➢ Improved fitness levels and gym attendance.
➢ Build friendships and sports teams.
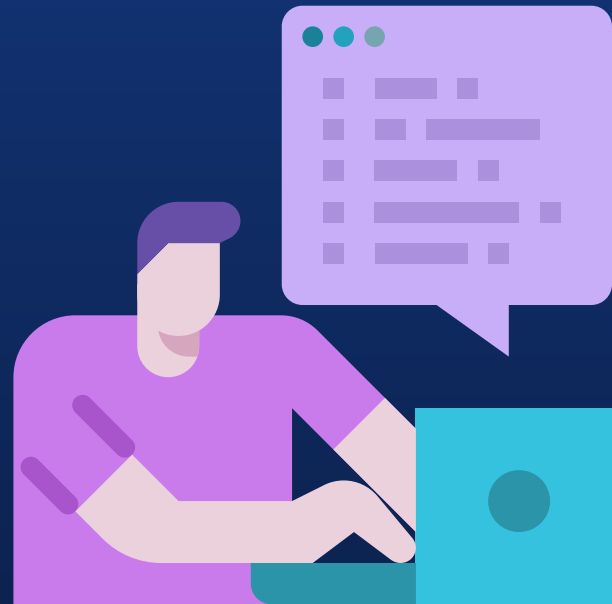➢ Personalized fitness journey.

FOR UNIVERSITY

➢ Enhanced campus engagement.
➢ Contribution to student well-being.

02

TECHNICAL ASPECTS

TECHNOLOGY STACK

BACKEND ————————

FRONTEND ————————

AUTHENTICATION ————————
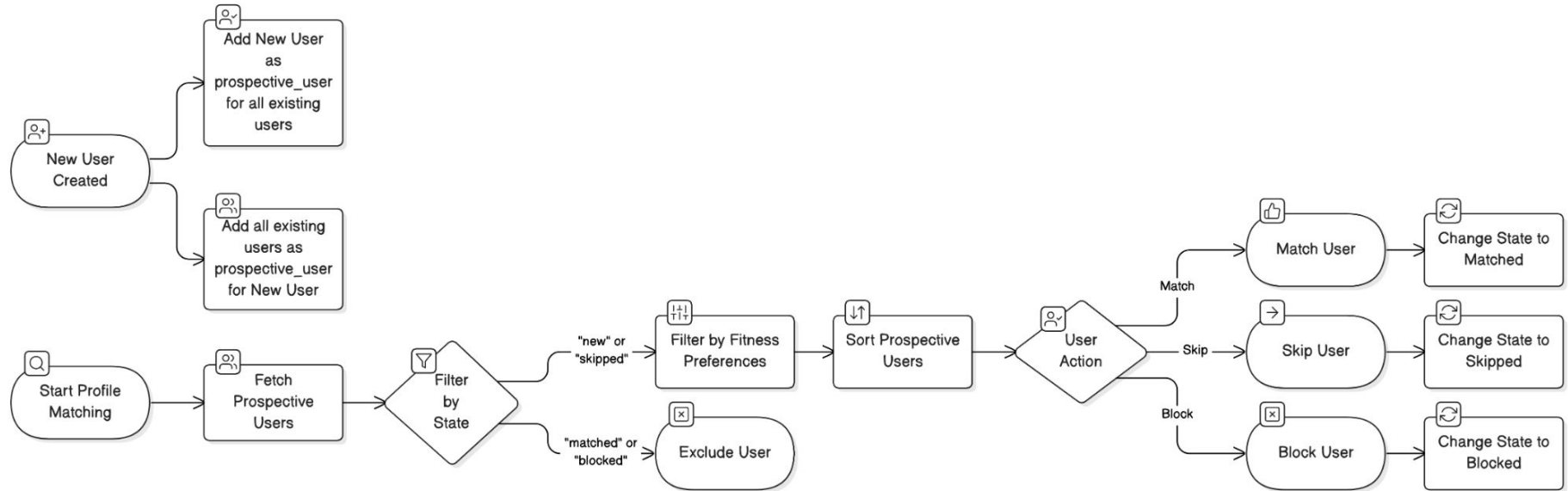
DEPLOYMENT ———————— heroku

DATABASE ————————

FILE STORAGE ———————— aws

KEY IMPLEMENTATIONS - Profile Matching Algorithm

KEY IMPLEMENTATIONS - Real Time Messaging Feature

➔ Connecting Gym Buddies in Real-Time

➔ Private 1:1 Conversations

- ◆ Enables two users to exchange messages in a private chat.
- ◆ Facilitates coordination for workout schedules and fitness plans.

➔ Encrypted Message Storage

- ◆ Messages are stored securely with encryption, ensuring user privacy.
- ◆ Protects sensitive conversations from unauthorized access.

➔ Real-Time Communication

- ◆ Powered by ActionCable for WebSocket-based messaging.
- ◆ Instant updates keep users engaged without refreshing the page.

03

TESTING & QUALITY ASSURANCE

TESTING & QUALITY ASSURANCE

→ Jimmy ensures robust functionality and code quality through rigorous testing practices

→ Testing Highlights

   ◆ RSpec Testing: Achieved >90% coverage for unit and integration tests.

   ◆ Cucumber Scenarios: Extensive >90% coverage for end-to-end user workflows.

   ◆ Comprehensive validation checks to ensure data integrity and smooth user interactions throughout the application.

→ Coverage & Quality Tools

   ◆ SimpleCov: Tracks and reports testing coverage across the codebase.

   ◆ CodeClimate: Achieved an **A-rated** code quality, ensuring maintainability and reliability.

04

Development Journey and Design Insights
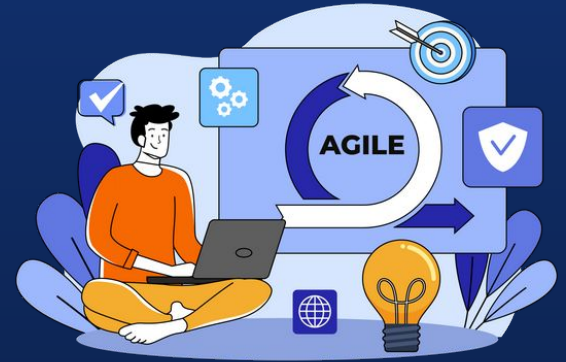
AGILE METHODOLOGY

→ Followed Agile practices with 4 bi-weekly sprints to manage and deliver the project incrementally.

→ Sprint work included incorporating new features, backlog prioritization, robust testing, and incremental deployment of each feature based on set plan.

→ Conducted weekly client meetings to gather feedback and ensure alignment with the client's vision. These sessions helped refine features and adjust priorities as needed.

→ Retrospectives at the end of each sprint helped refine processes and enhance efficiency.
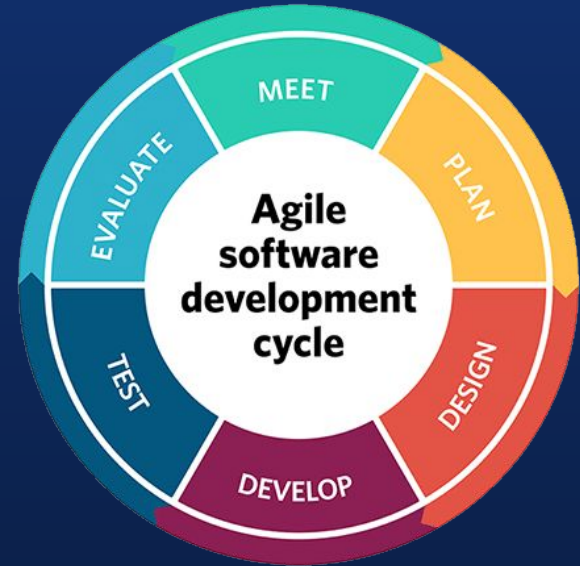
DESIGN CHOICES

→ Mobile-First Design:
  ◆ Ensured a responsive UI to enhance usability on mobile devices, as most students access apps on their phones.

→ Encrypted Messaging:
  ◆ Prioritized user privacy and security by encrypting messages at rest.

→ Scalability with Modular Architecture:
  ◆ Adopted a modular codebase to simplify future enhancements.

FUTURE SCOPE

→ Advanced rank-based matching algorithms for enhanced compatibility check.

→ Group Fitness Matching

◆ Expand beyond 1:1 connections to group-based matching.

→ Integration with Campus Resources

◆ Partner with university gyms and sports centers for increased participation.

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PRODUCT DEMO

THANKS