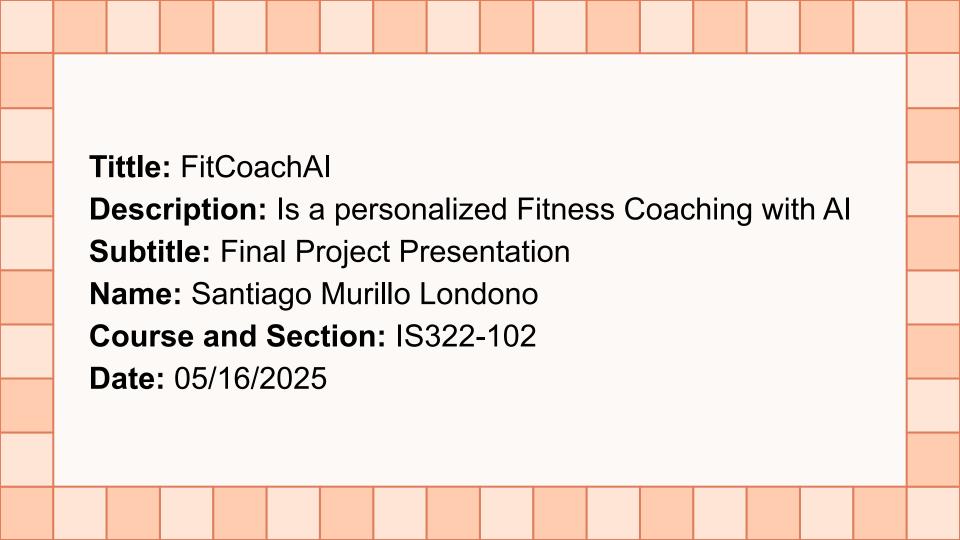
First Semester Grade 5



## What is FitCoach AI?

- Al powered fitness and nutrition coach
- Personalized plans based on user goals
- Features include: Workout planning, meal guidance, body transformation visualization, and AI chatbot.



# **Technology Used**

#### Frontend:

- React Native (Expo)
- React Native Paper (UI)
- React Navigation
- Context API for state

#### Al and Services:

- OpenAl GPT-4 (chat, plans, reminders)
- DALL-E (body images visualizations)
- AsyncStorage (data persistence)



## **App Features**

- Personalized workout plans
- Nutrition and meal guidance
- Al chat coach
- Progress tracking
- Al body Transformation
- Smart Reminders



### **Al Features**

#### GPT-4:

- Chatbot for coaching
- Generate workout/meal plans
- Personalized feedback & reminders

#### **DALL-E:**

- Body transformation images
- Before & after predictions



# **App Workflow**

- 1. User completes onboarding
- 2. Al generates a plan
- Daily usage & progress logging
- 4. Al feedback & visualization



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# **Challenges Faced**

#### **Challenges:**

- DALL-E API timeouts
- Navigation complexity
- Local data syncing

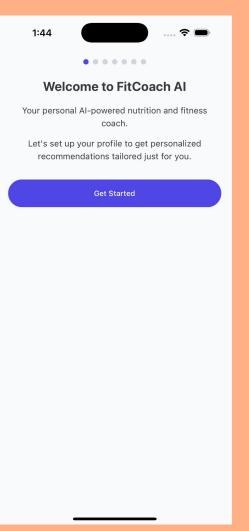
#### **Solutions:**

- Retry logic for image calls
- Refactored navigation logic
- Custom hooks for AsyncStorage



# What Makes FitCoach Al unique?

- Mobile-first design with responsive UI
- Deep AI integration for personalization
- User-controlled experience with planner and reminders
- Strong project structure and clean codebase



## What's Next?

- Fitness wearable integration (e.g. Apple Watch)
- Social progress sharing
- Voice-guided workouts
- Barcode scanning for meals

