

# The Coding Guys

# Team Members/Roles

Niko Escondo - Team Lead, Float

Dakota Steele - Backend Developer

Darian Radakovic - Front end developer

Todd Parcheta - Front end developer

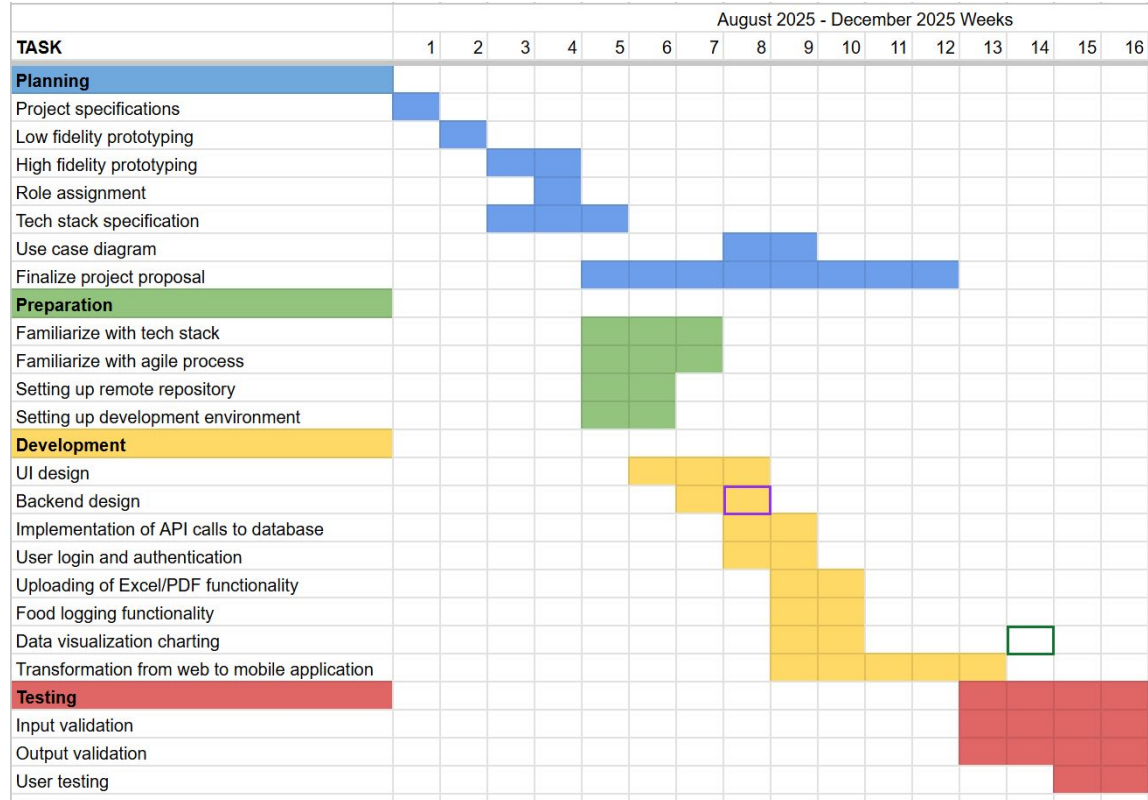
# Project overview

- All-in-one fitness application
- Fluid and easy-to-follow UI design
- Backend database to store user data and credentials
- Upload/creation of workout routines into a generalized template
- Food tracking and logging capabilities
- Data visualization of user history

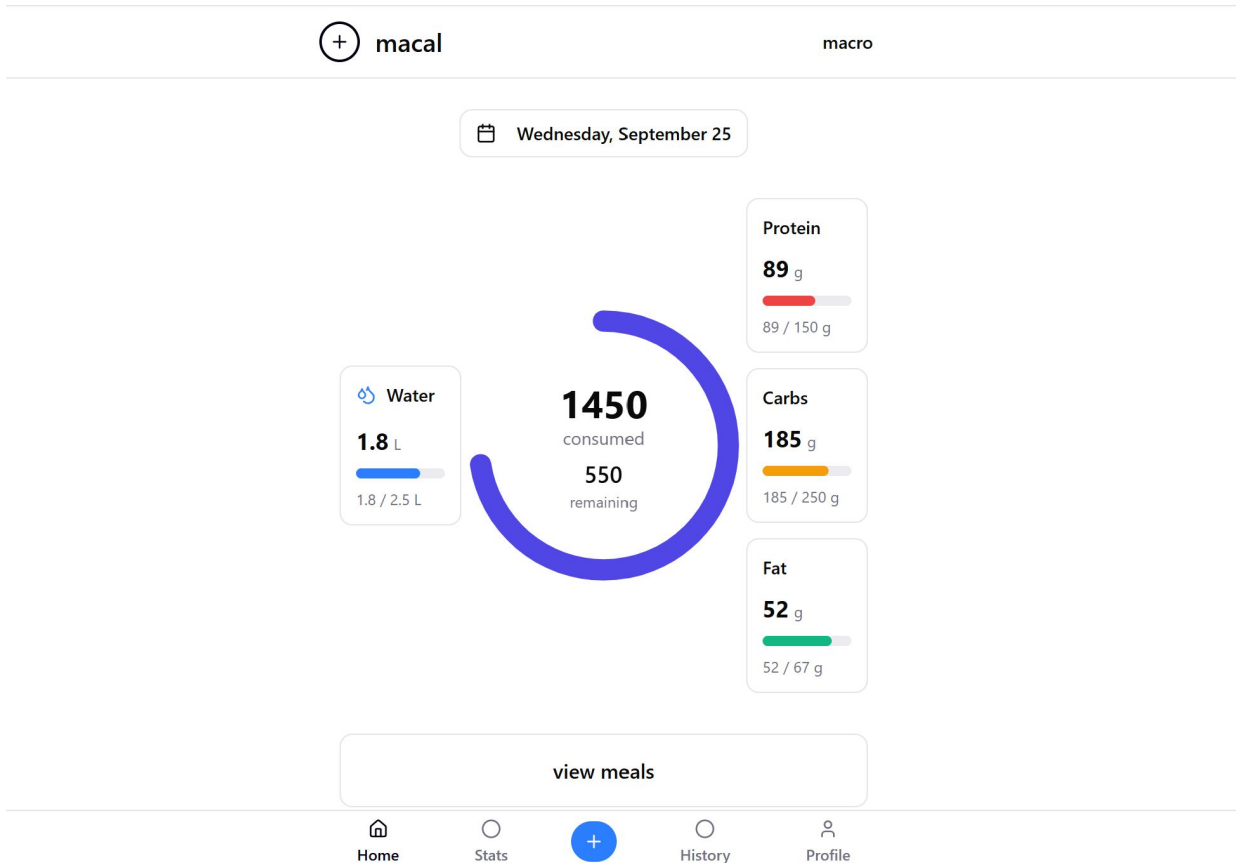
# Goals and Use Case

- Tracking of user inputted food data on a day-to-day basis
- Data visualization charting to showcase nutrition and exercise statistics on a daily, weekly, and monthly basis
- Utilization of open-source food database (USDA FoodData Central) to gather food nutrition data
- Conversion of an uploaded PDF/Excel file to a generalized workout template within the application
- Ability to create user curated workout through application's generalized template

# Gantt Chart



# Figma





macal

macro



Wednesday, September 25

## Add Food



Choose how you'd like to add food to your diary



**Quick Add**

Log common foods



**Scan Barcode**

Scan product barcode



**Custom Food**

Add your own food manually

view meals



Home



Stats



History



Profile

← Back

## Daily Stats

Wednesday, September 25

### Macro Distribution



● Protein: 89g ● Carbs: 185g ● Fat: 52g

### Detailed Nutrients

**Calories** 1450 / 2000 kcal

72.5% of daily goal

Home

Stats

+

History

Profile

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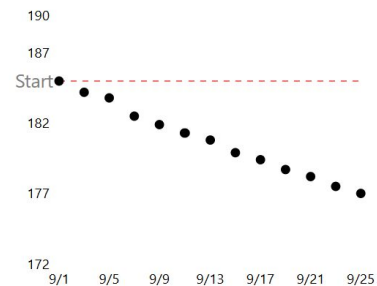
## History

Progress Overview

Weight

Calories

### Weight Progress



Starting

**185**  
lbs

Current

**177**  
lbs

Goal

**165**  
lbs

Progress: 8.0 lbs lost  
Remaining: 12.0 lbs to goal

+ Log New Weight

Home

Stats

+

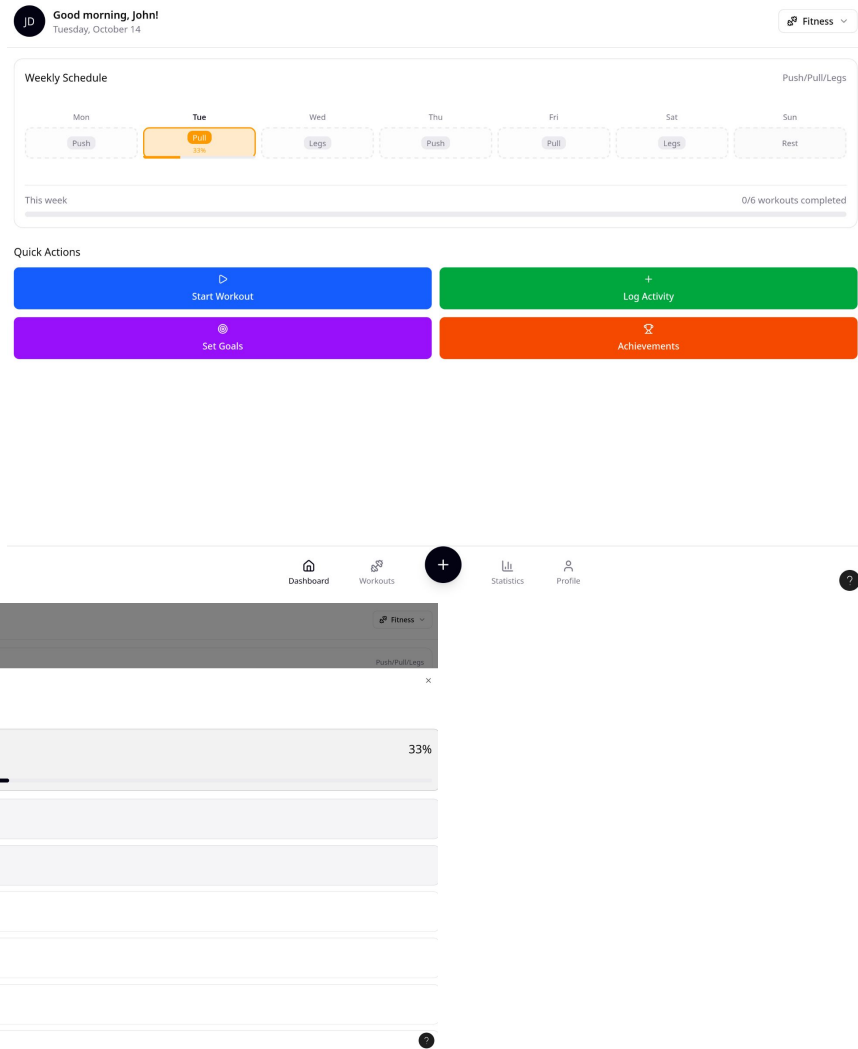
History

Profile



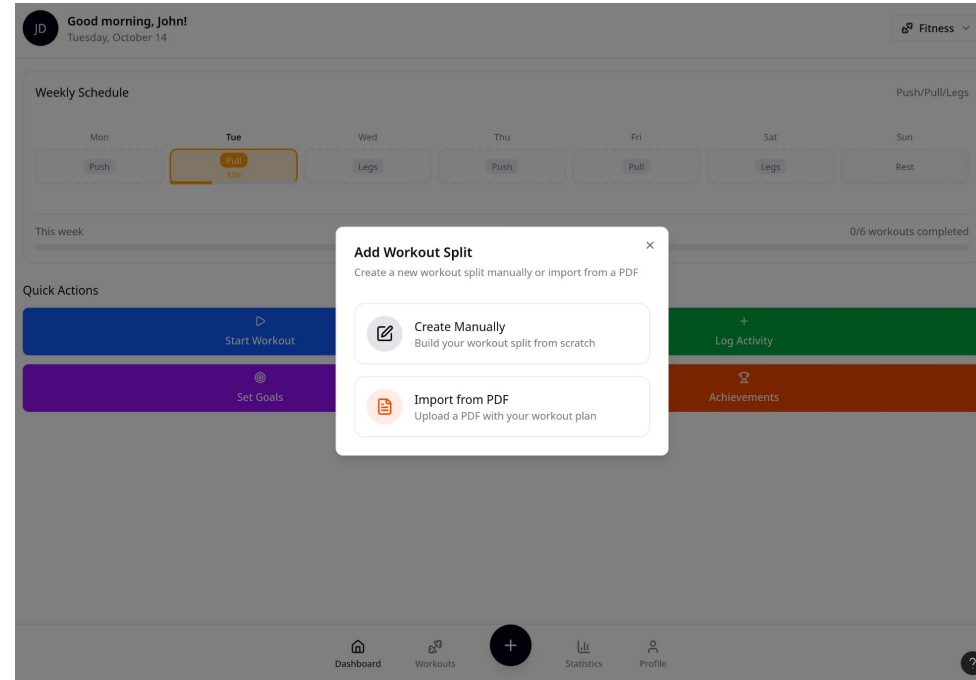
# Fitness Page

- Overall UI of the Fitness module
- Stores workout progress of each days
- Clicking on a day shows progress within given day



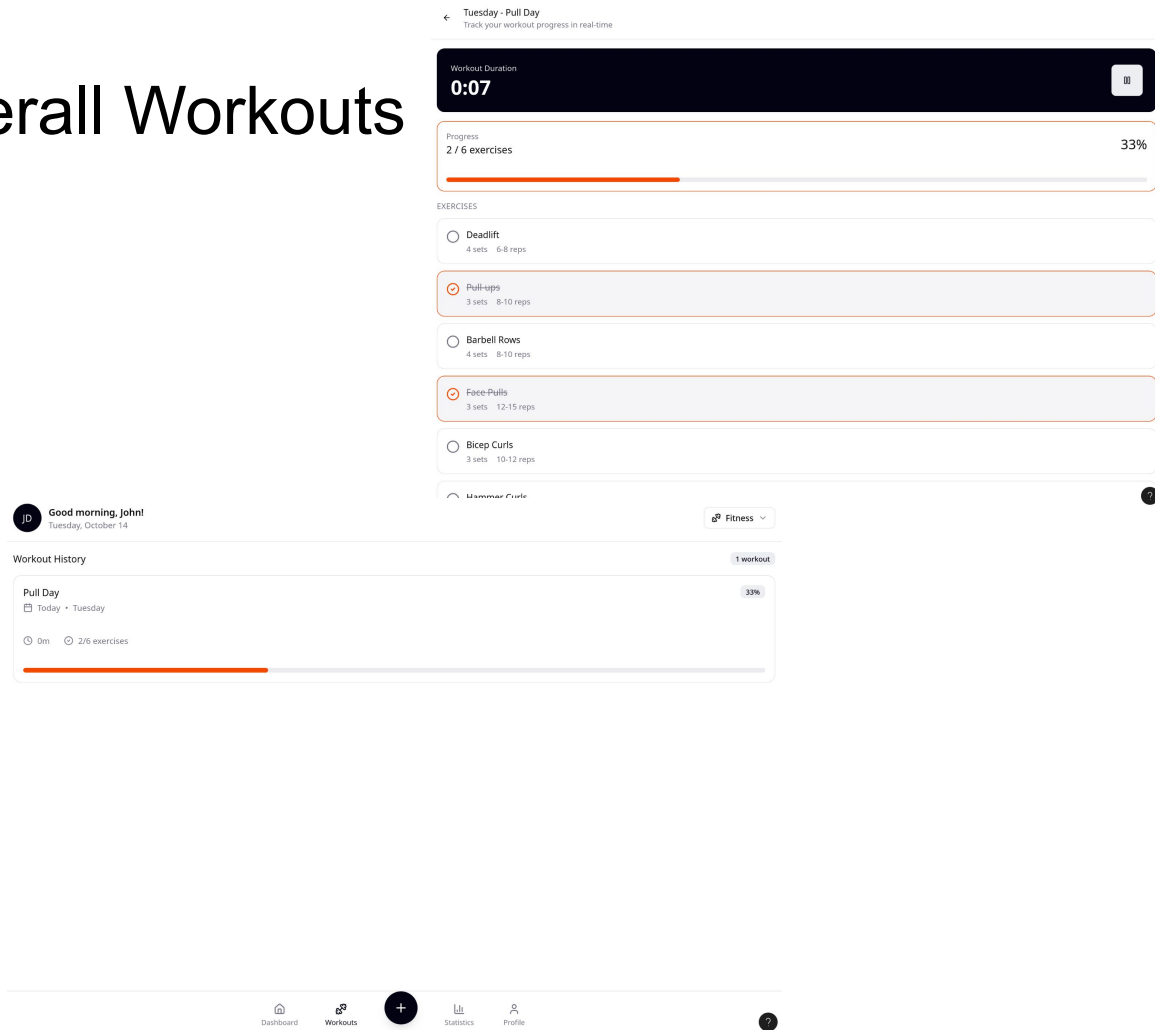
# Add workout split

- Plus button in the center brings up prompt to add your own schedule
- First button is a manual addition, to add name, days, etc
- PDF addition button to add from a template



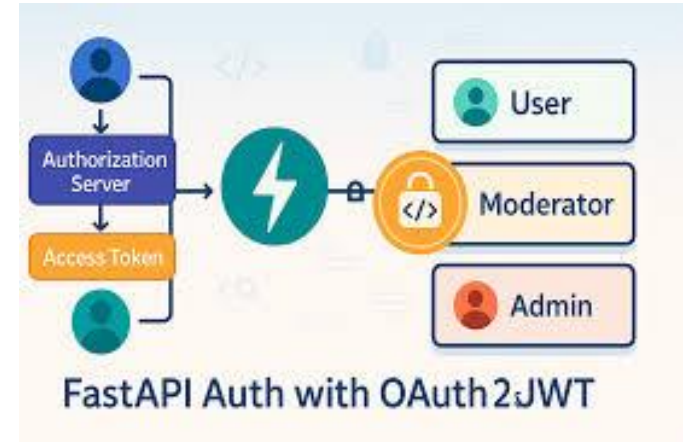
# Start Workout and Overall Workouts

- Start workouts button shows a timer and a list of the workouts
- Click on the given workout to mark it as “finished”
- Once workout is done, there is an end workout button, then the progress will be saved in the “workouts” tab



# Backend

- Handles all core logic of the fitness app
- Manages authentication, data processing, and API communication



**FastAPI** 0.1.0 OAS 3.1  
[/openapi.json](#)

default

POST /register Register User

POST /login Login

# Technologies

## Tool

## Purpose

**Python (FastAPI)** Main backend framework for APIs

**PostgreSQL** Database for users, food logs, workouts

**SQLAlchemy** ORM for structured database queries

**JWT Auth** Secure login and session management

**USDA API** Nutrition data source

	id [PK] integer	username character varying	email character varying	hashed_password character varying (255)
1	4	string	user@example.co...	\$2b\$12\$oaNHSUsxX7afndVCRf.7meH/pu8tJcb/3GCqjSwsEOq/WtAb...
2	5	test	test@ran.com	\$2b\$12\$jpKSvsJHFjqPnsyGKXOLt.BrOavdWt9DTslAcD4ITcoyDdAX0Y...

Questions?