



FITGYM

Cross-platform gym
workout tracking app

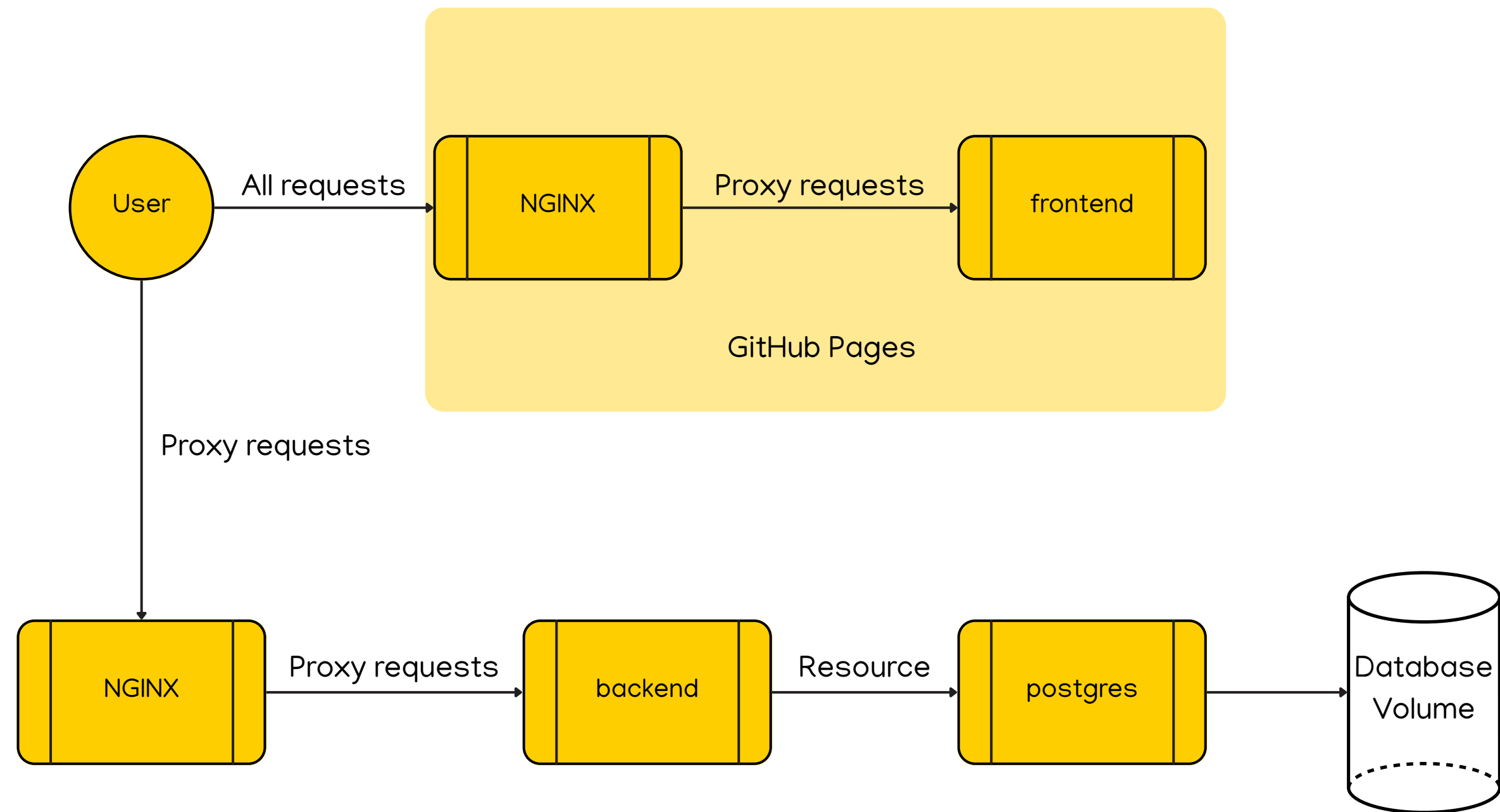
OUR TEAM

- Zavadskii Peter (Team Lead / Backend)
- Zaynulin Salavat (Backend)
- Lutfullin Sarmat (Frontend)
- Fominykh Aleksei (DevOps)

MOTIVATION

- **The problem:** People want to log workouts, track progress, and stay consistent with weekly gym goals.
- **Goal:** A simple gym companion app designed for beginners and intermediate lifters.

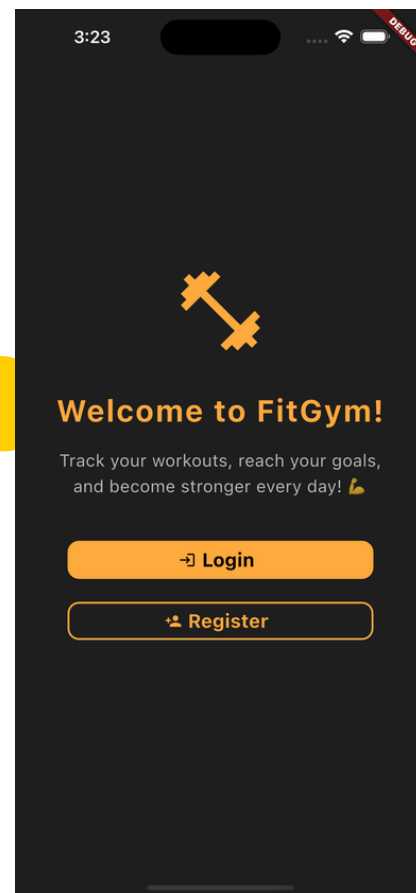
ARCHITECTURE OVERVIEW



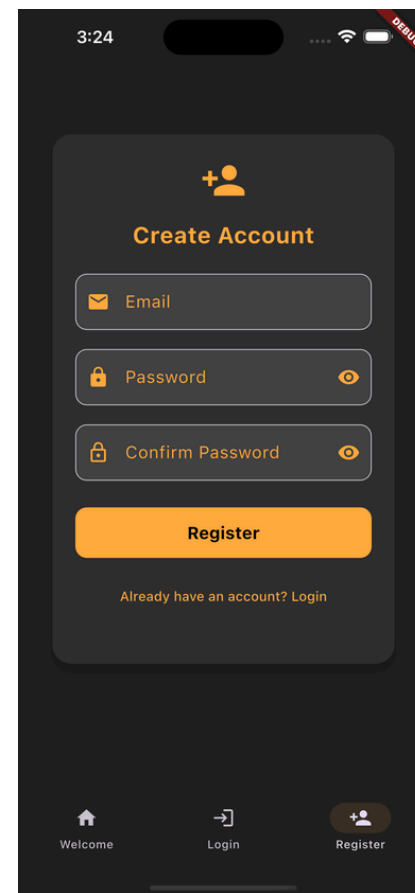
BACKEND ARCHITECTURE

- Handlers – Handle HTTP requests, routing, and validation.
- Services – Core business logic for workouts, goals, and analytics.
- Repositories – Database access abstracted via interfaces for testability.
- Models – Shared domain types (User, Workout, Exercise, Friend).
- Auth & Middleware – JWT-based authentication, logging, and error handling.
- Go Tests – Integration tests for handlers, services, and repositories to ensure reliability.

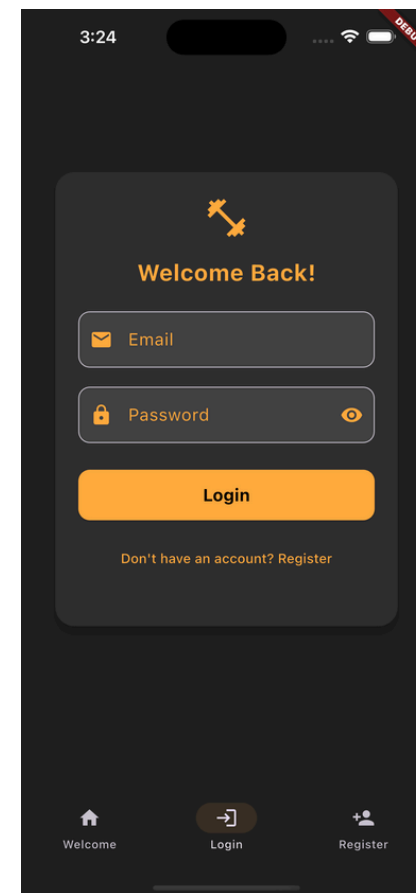
FRONTEND ARCHITECTURE



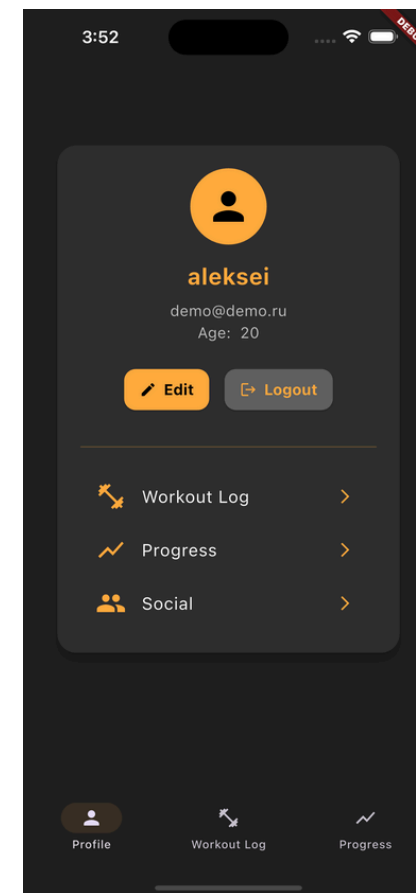
Welcome page



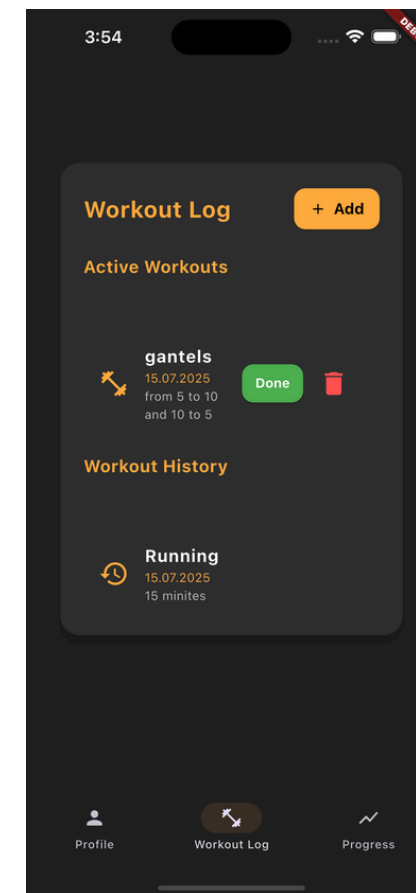
Register page



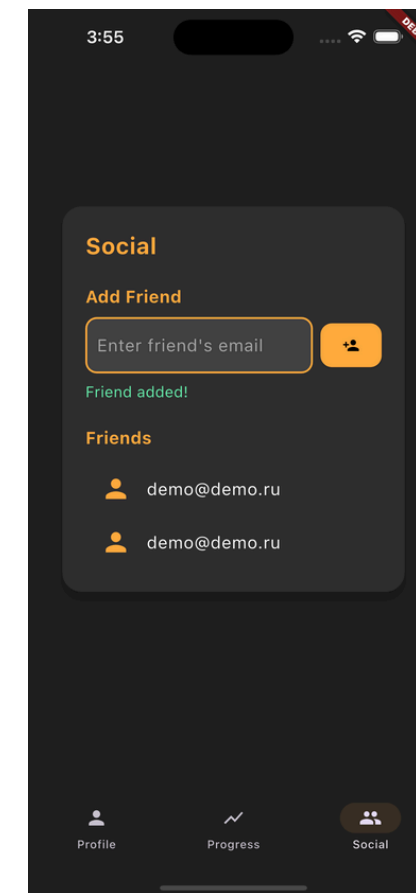
Login page



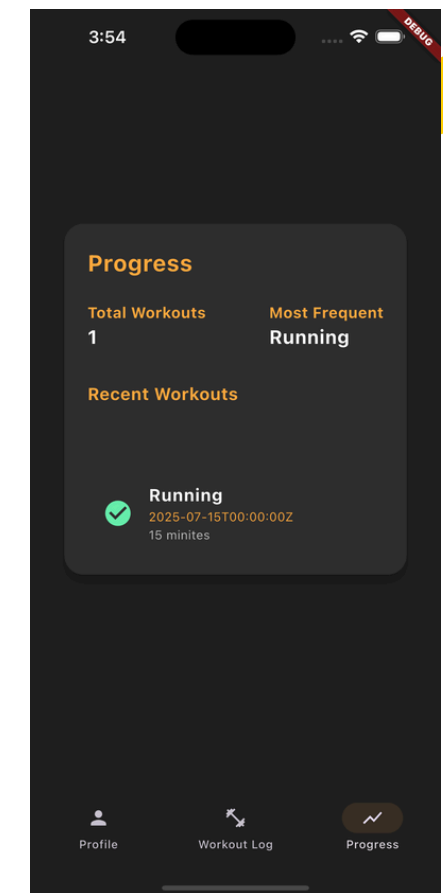
Profile page



Workout page



Social page



Progress page

KEY TECHNICAL FEATURES

- Comprehensive error handling and user feedback
- Social Connectivity – Add friends by email and view your connected friends
- Complete CI/CD pipeline, environment configuration via config files, and automated deployment to GitHub Pages
- Own server hosting for backend services (deployed and running live)

MAIN CHALLENGES

- Conflicts with merging commits from one branch to another
- White screen after deploying to GitHub Pages
- CORS issues during frontend-backend integration
- Was complex to cope with Go and Flutter tests



SYSTEM DEMONSTRATION

The background features abstract, organic shapes in bright yellow and black. These shapes are positioned around the perimeter of the image, creating a frame-like effect. Scattered throughout the white background are numerous small yellow dots of varying sizes, some appearing in clusters and others in isolation. The overall aesthetic is modern and minimalist.

THANK YOU