SENIOR DESIGN PROJECT MUVTIME

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MuvTime is a comprehensive fitness application that combines AI-powered pose detection with gamified exercise tracking. Users can perform various exercises while the app uses computer vision to count repetitions, track progress, and award with experience points.

Technologies

Java	C# with .Net	Yolov8 model processed with python to a ONNX file	Database Supabase (PostgreSQL)

Hosting: Azure App Service (Backend Deployed)

Welcome Back!

Let's get moving together!

Email

Password

LOGIN

Don't have an account?   **CREATE ACCOUNT**

Join MuvTime!

Let's get moving together!

Email

Password

Display Name

REGISTER

Already have an account?   **SIGN IN**

Confirm Your Signup ⅀ Gelen Kutusu ×

Supabase Auth <noreply@mail.app.supabase.io>

27 Haz Cum 02:18 (5 gün önce)

Alıcı: ben ▾

Confirm your signup

Follow this link to confirm your user:

[Confirm your mail](#)

⚡ You're receiving this email because you signed up for an application **powered by Supabase** ⚡

Opt out of these emails

↩ Yanıtla   ↪ Yönlendir   ☺

Screen 1

Let's Exercise

Biceps Curl ⭐
Curl your arms up towards your shoulders!
▶ Tap to Start

Shoulder Press
Press your arms straight up above your head!
▶ Tap to Start

Squats ⭐
Squat down and stand back up! Build strong legs!

Exercises | Stats

Screen 2

🤸 Side Reach Exercise! 🤸

🎬 **Watch the Demo**

📋 **Step-by-Step Instructions**

1. 🧍 Stand straight with feet shoulder-width apart

2. 🤸 Bend to the left and reach your

🚀 **Start Exercise Now!**

Screen 3

🤸 Side Reach Exercise! 🤸

4. 🎯 Complete 20 side reaches to finish!

💡 **Pro Tips for Success**

📱 Make sure your whole body is visible in the camera

🤸 Bend your torso to each side while reaching with your arm

📱 Keep your phone steady and at chest level

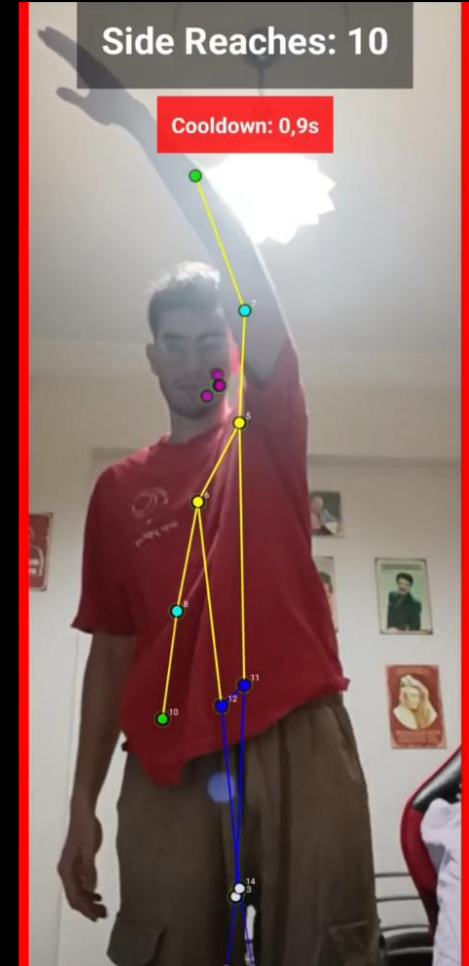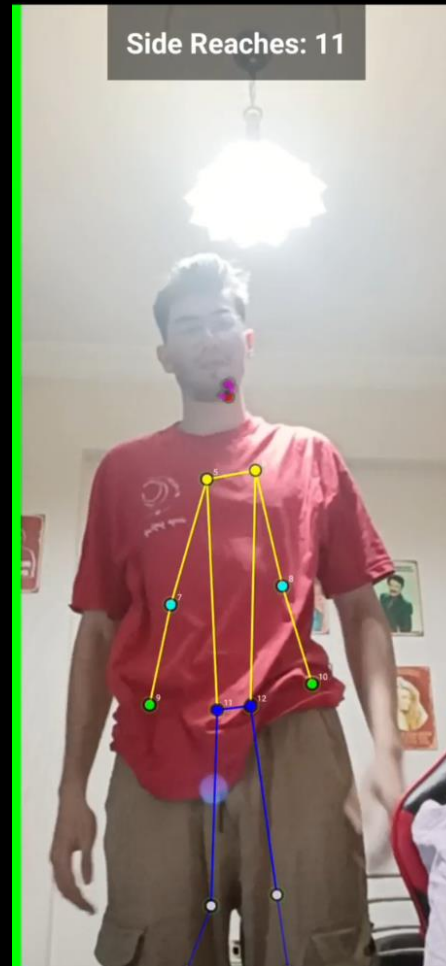🤸 Keep a smooth rhythm and stretch to each side!
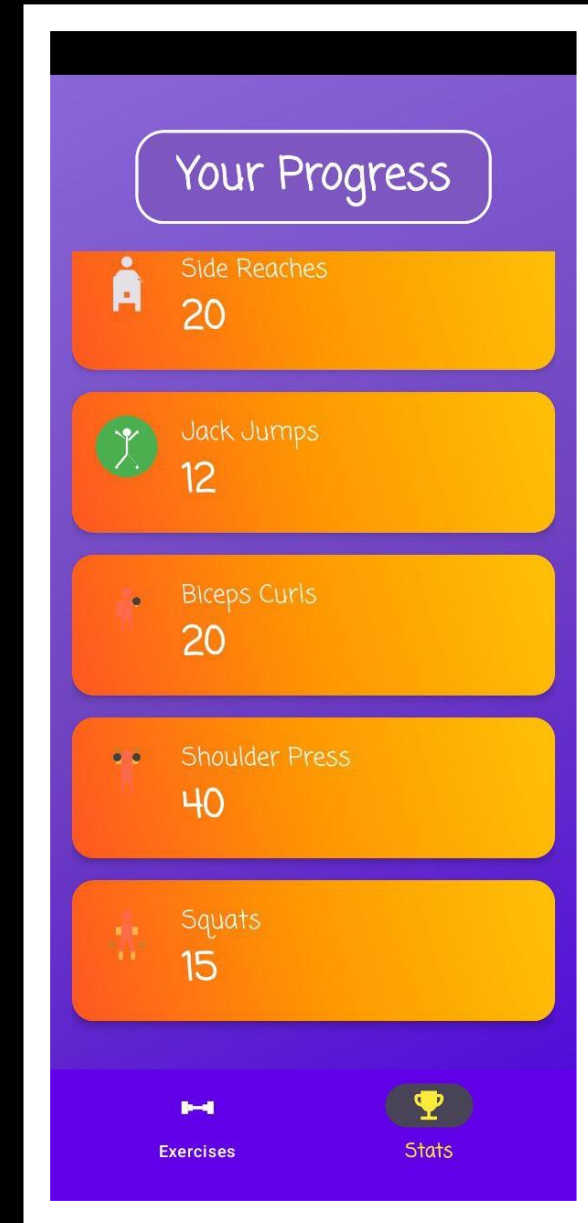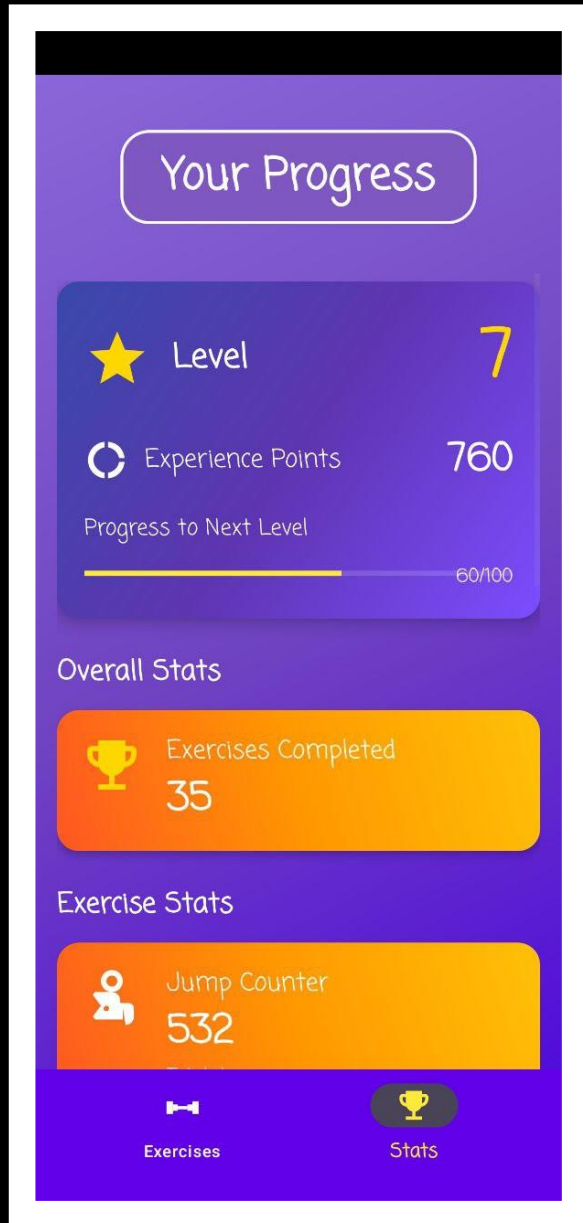
🏆 **Goal: Complete 20 Side Reaches!**

🚀 **Start Exercise Now!**

Your Progress

Level — 7

Experience Points — 760

Progress to Next Level

60/100

Overall Stats

Exercises Completed
35

Exercise Stats

Jump Counter
532

Exercises   Stats

Your Progress

Side Reaches
20

Jack Jumps
12

Biceps Curls
20

Shoulder Press
40

Squats
15

Exercises   Stats

COMPLETED

- Applied to Tubitak 2209/A
- Applied GBYF 2025
- Frontend
- Backend Deployed
- Database Deployed
- 8 Exercises and their calculations
- Login/Register and authentication with e-mail
- 150 mb storage (didn't cross the 200 mb limit I gave myself)
- Released first apk to github!

FUTURE WORKS:

- Brand new exercises
- New authentications (Phone,facebook,Instagram)
- Leaderboard system
- Friend System
- Sounds
- UI enhancements

THANK YOU!
:D