

Mobile Training & Progress App

SWIM TECH

Swim Tech LLC

About US

Swim Tech LLC is a water sports company working to provide accessibility to top tier swim education through process, and technology.

The Project

This project focuses on developing a unified mobile application that supports both swimmers and coaches through role-based experiences, built on top of Swim Tech's existing backend infrastructure. Rather than building new backend systems, the team will design and implement a mobile front-end that integrates with existing APIs, authentication, and data models. The application will allow swimmers to view workouts, log sessions, and track progress, while enabling coaches to assign workouts and monitor athlete performance. The goal is to create a clean, intuitive mobile experience that leverages existing systems to improve engagement and streamline training workflows. Students may also propose minor API enhancements or adjustments where necessary to better support mobile use cases.

Skill Sets

The following skills might give you a head start on this project:

- Mobile app development (Flutter)
- API integration and debugging
- UI/UX design principles
- State management
- Working with authentication systems
- Understanding and consuming existing backend architectures

Logistics

- Ideal team size: 3-4 people
- Work can be conducted remotely

- Students will collaborate with Swim Tech to understand and integrate with existing backend systems
- Participants will be asked to sign an NDA and assign intellectual property rights