Hackin
Winters

ACADEMIQ

Project Title and Overview

Olympiad Live: International Contest and Training Platform Overview:

Our platform focuses on providing live contests and training for international-level Olympiads in subjects like Physics, Chemistry and Mathematics. Designed to nurture talent, it offers personalized learning experiences, live competitive environments, and detailed performance tracking to help students excel globally. Initially targeting India, the platform aims for worldwide expansion.

Problem Statement

Existing platforms fail to provide

Live contest environments.
Current platforms don’t replicate real-time Olympiad conditions, which is essential for preparation.

Personalized training.

Generic resources don’t cater to individual learning paces and needs.

Global competitiveness.
Platforms don’t encourage international collaboration or competitiveness, leaving students underprepared for global contests.

Lack of affordable resources:
Many students, despite being talented, cannot access proper training due to cost and availability constraints.

Solution

Key Features:

01

Live contests:

Simulates the pressure and timing of real Olympiads, helping students gain confidence.

02

Personalized training plans

Adapts to individual strengths and weaknesses using data analytics for tailored preparation.

03

Performance analytics

Visual tools like rating graphs and stars provide motivation and track progress effectively.

04

Global engagement

A centralized platform fosters collaboration and competitiveness among students worldwide.

Tech Stack

Back-End

Front-End

Type Script

Chart JS

Challenge

- Scalable UI: Designing interfaces that cater to diverse users while maintaining simplicity.
- Real-time updates: Managing instant feedback in live contests without lag.
- Firebase optimization: Ensuring smooth performance during high-traffic events.

Learnings

- Gained practical experience in Firebase and real-time systems.
- Improved teamwork and collaborative problem-solving under technical constraints.
- Developed skills to handle edge cases in contest scenarios.

Future Scope

Enable multilingual support for a wider audience across countries

Introduce more subjects and extend training to different age groups.

Add hints and provide textual solutions to the students after the contest.

Migrate from Firebase to Golang to handle large crowd.

Our Team

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