

# QuestOwl README

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QuestOwl is an educational mobile application designed to enhance student learning through interactive and personalized experiences. The app is compatible across most mobile devices and provides users with a structured way to track their academic progress and skill development.

Unlike other apps, QuestOwl doesn't require users to create an account—just open the app and start learning right away. Upon launching the app, users are welcomed by a home screen featuring various icons that allow them to explore different sections. These sections include personalized learning modules, interactive quizzes, subject-specific challenges, and progress tracking.

QuestOwl allows students to track their progress by viewing their best scores and monitoring improvements over time. The app also includes a feedback system where users can report bugs and suggest improvements. Additionally, students can create custom quizzes to test their knowledge and reinforce learning in a way that suits their needs.

## Features

- Designed for most devices
- Progress tracking – Users can view their best scores and track improvements.
- Custom quiz maker – Students can create their own quizzes to test their knowledge.
- Feedback system – Users can submit forms to report bugs and provide suggestions for improvements.
- Dark mode – A user-friendly interface with a dark mode for comfortable studying.

- Subject-Specific Challenges – Focused exercises to develop skills in specific areas.

## Software and Services Used

- SvelteKit – A modern framework designed for building fast, scalable web applications. It offers a powerful set of features, including optimized performance and built-in routing. SvelteKit allows developers to create lightweight, high-performance websites, making it an ideal choice for projects that require speed and efficiency.

<https://svelte.dev/docs/kit/introduction>

- MongoDB Atlas – A cloud-based NoSQL database platform that provides developers with a scalable, flexible, and secure way to store and access data. It offers built-in tools for automation, backup, and performance optimization.

<https://www.mongodb.com/atlas/database>

- Tailwind CSS – A utility-first CSS framework that enables developers to rapidly build custom designs. It provides low-level utility classes that make styling components fast, consistent, and responsive.

<https://tailwindcss.com/docs>

- Phaser – A fast, free, and open-source framework for creating HTML5 games. It supports both 2D rendering and robust game mechanics, making it great for developers building browser-based games.

<https://phaser.io>

- Canva – An intuitive online design tool that allows users to create professional-quality graphics, presentations, posters, and more. It is widely used for UI mockups and visual assets in development projects.

<https://www.canva.com>

- GitHub Codespaces – A powerful cloud-based development environment integrated with GitHub. It allows developers to write, run, and debug code directly in the browser, supporting collaboration and version control.

<https://github.com/features/codespaces>

## FBLA References

“FBLA-PBL.” FBLA-PBL, [www.fbla-pbl.org/](http://www.fbla-pbl.org/)

“2024-25 Competitive Events Guidelines Mobile Application Development.”

FBLA,

<https://connect.fbla.org/headquarters/files/High%20School%20Competitive%20Events%20Resources/Individual%20Guidelines/Presentation%20Events/Mobile-Application-Development.pdf>

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