

LearnQuest README

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LearnQuest 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, LearnQuest 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.

LearnQuest 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

- Many elementary school students do not have a proper outlet to document their gaming achievements and learning progress in an engaging, easy-to-use manner. Having a place to store all of their gaming stats, achievements, and educational milestones could help students develop skills like critical thinking, digital literacy, and teamwork while making learning fun and interactive.
- Tools 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. Svelte Kit 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>
 - Electron - A framework that enables developers to build cross-platform desktop applications using web technologies like JavaScript, HTML, and CSS. Electron allows apps that need to work across multiple operating systems without requiring separate development for each.
<https://www.electronjs.org/docs/latest/>
 - GitHub Codespaces - A popular platform for version control and collaborative software development. This enables developers to store and manage their code repositories, track changes, and collaborate with others on projects.
<https://github.com/features/codespaces>

FBLA References

“FBLA-PBL.” FBLA-PBL, www.fbla-pbl.org/

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

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

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