

Firebase has been instrumental in managing our data effectively within the Library Management System website. The tools provided have streamlined various aspects of user authentication and real-time database management.

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Firstly, Firebase's Authentication SDK ensures secure user identity. It's user friendly, enabling easy sign-in via email/password and social media logins.

Moreover, Firestore Database, a powerful NoSQL database, enables real-time data storage and synchronization, facilitating seamless book cataloging, patron record management, and efficient loan tracking within our system.

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GitHub has been foundational in our project's success, streamlining version control and collaboration among team members.

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We've used branching (Main and Dev branches) with Git Ignore, ensuring a structured approach to code development without affecting the main codebase.

GitHub Discussions have revolutionized our communication, facilitating announcements, polls, and Q&A sessions, enhancing progress tracking and issue resolution.

GitHub Issues has been instrumental in managing tasks, aiding in issue identification, resolution, and collaborative progress tracking.

Leveraging GitHub Actions has automated our CI/CD pipeline, allowing for swift testing and deployment, and streamlining our development cycle.

GitHub Pages simplify website hosting, reflecting repository modifications immediately on our website.

CodeQL has significantly bolstered our security measures by identifying errors before code publication, ensuring a robust and secure system.