

Life Record Keeper.

[Fast](#) [Secure](#) [Reliable](#)

Technical Barriers Assessment

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Name of Project: Life Record Keeper

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Potential Project Barriers

Content

All content in this project will be entered by the user (records, categories, uploaded documents).

Barrier: Making sure field labels, error messages, and navigation text stay consistent across the whole app.

Contingency Plan: If I notice inconsistencies later, I will create a short style sheet that lists all the standard names and error formats and apply it during the final testing stage.

Technology

STACK

React + Vite (frontend):

Barrier: Setting up routing and protected pages will require extra research and debugging.

Contingency Plan: If I run into problems, I will use React Router examples/templates and build small test apps first before adding it to the main project.

Node.js + Express (backend):

Barrier: Implementing JWT authentication and middleware will be more complex.

Contingency Plan: If JWT integration gives me serious issues, I will temporarily rely on Firebase Authentication's built-in session handling until I fix the JWT setup.

MongoDB (database):

Barrier: Designing the schema correctly so records and documents link properly without causing confusion.

Contingency Plan: If I run into problems with linking, I will test with sample data and use Mongoose tools or extra API routes to fix it.

Firebase (Auth, Hosting, Storage):

Barrier: Integration with Express backend may take extra time and research because of the learning curve.

Contingency Plan: If Firebase does not work out or if I get stuck badly, I will switch hosting to Render/Netlify for backend and frontend separately, and keep Firebase only for authentication.

3rd PARTY LIBRARIES AND/OR FRAMEWORKS

Mongoose (ODM for MongoDB):

Barrier: Document size limit may cause issues.

Barrier: Updating documents can be tricky. (e.g. replacing 1 document updates the whole record object).

Contingency Plan: If issues come up, I will use Mongoose features for linking and explore other middleware to handle updates and deletes cleanly.

APIs

Currently, the MVP does not require external APIs.