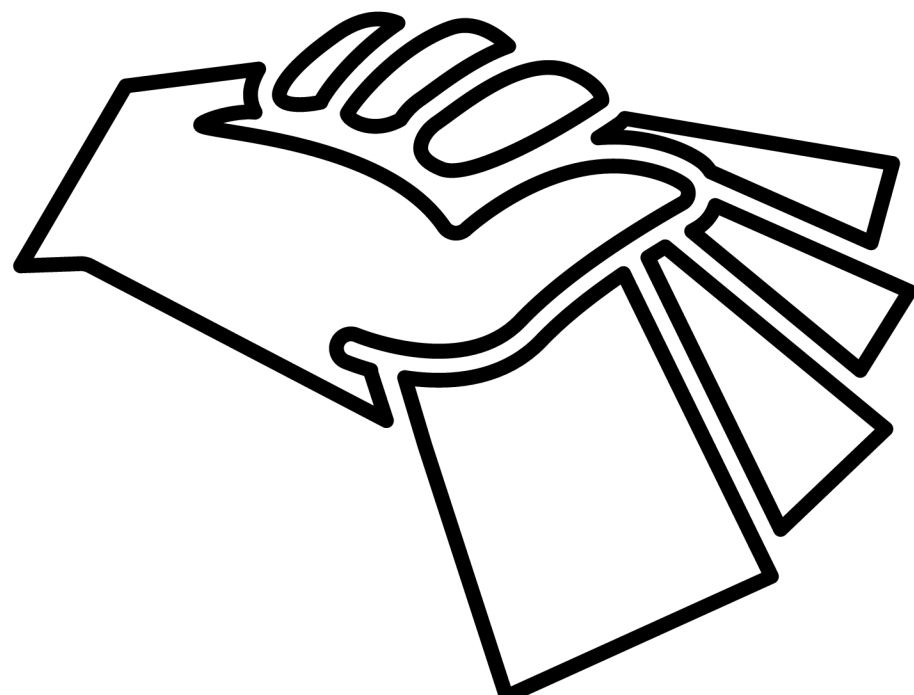




Brisk Recall

Florida International University
Fall 2025 Senior Design Project

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• **Problem**

Students need an easy way to condense study materials (lecture notes, practice exams, study guides, etc.) into an easily accessible format without spending the time to create them from scratch.

• **System Design**

- Frontend : Simple functional UI made using React and CSS
- Backend: Supabase (Database), Server (Vite) - Hosted locally for the demonstration
- AI Integration: Google Gemini for content generation

• **Current System**

BriskRecall uses a four tier system that consists of a client, server, database, and an application.

- The client handles the functional UI.
- The server handles user login /logout and sending data to the LLM.
- The database stores user login/logout information, decks uploaded, and site settings.
- The application handles the AI content generation, uploading content to the server and organizing content.

• **Requirements**

- Users must be able to upload a pdf file (support for other file extensions planned)
- The content must be readable by the AI to create the flashcards.
- Users must have an active internet connection.
- UI must be responsive to user inputs.
- System must be able to process large files.
- System must handle all requests in a timely manner

• **Verification**

- Tested both frontend and backend on multiple devices
- Tested for responsiveness and proper functionality
- Tested AI Integration using different formats

• **Summary**

BriskRecall is an AI powered tool that aims to aid students by creating flashcards from study materials. It allows students to save time by doing the hard part, so that they can focus on studying and better prepare for exams.

1. BriskRecall Four-Tier Architecture

