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THE TEAM

THE PROBLEM

Video search returns **many** results

Possibility of **click-bait** being present in results

Hard to choose which video to watch
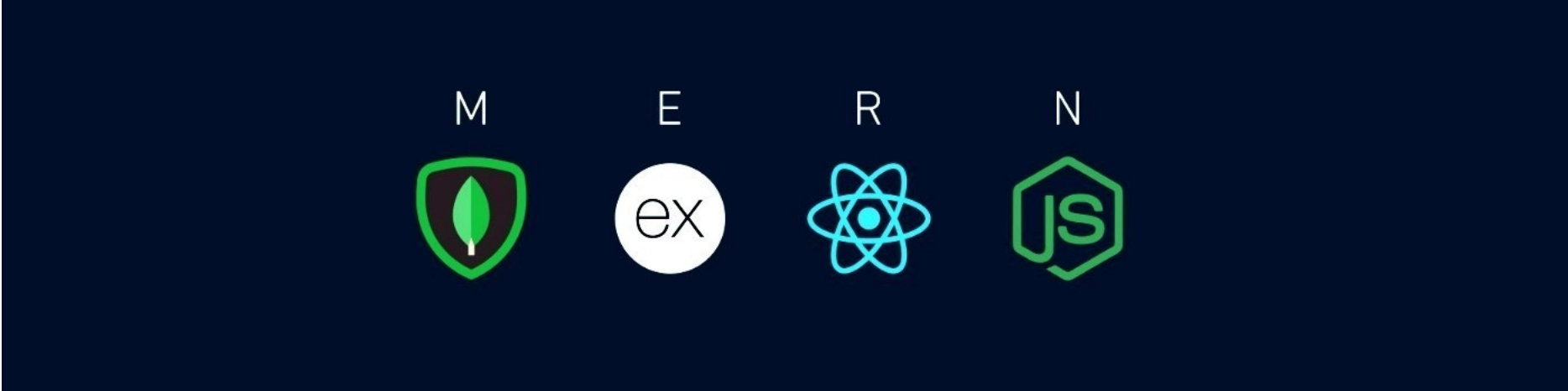
User might end up **skipping** video

OUR SOLUTION (Swift Search)

- We address these issues by creating Swift Search, a YouTube video summarizer.

- Swift search uses OpenAI's Whisper API to automatically transcribe a video and Anthropic's Claude API to summarize the video transcript.

- This enables users to judge whether to watch the video based on the summary.

- Our target audience includes students, researchers and anyone who uses YouTube videos for educational purposes.
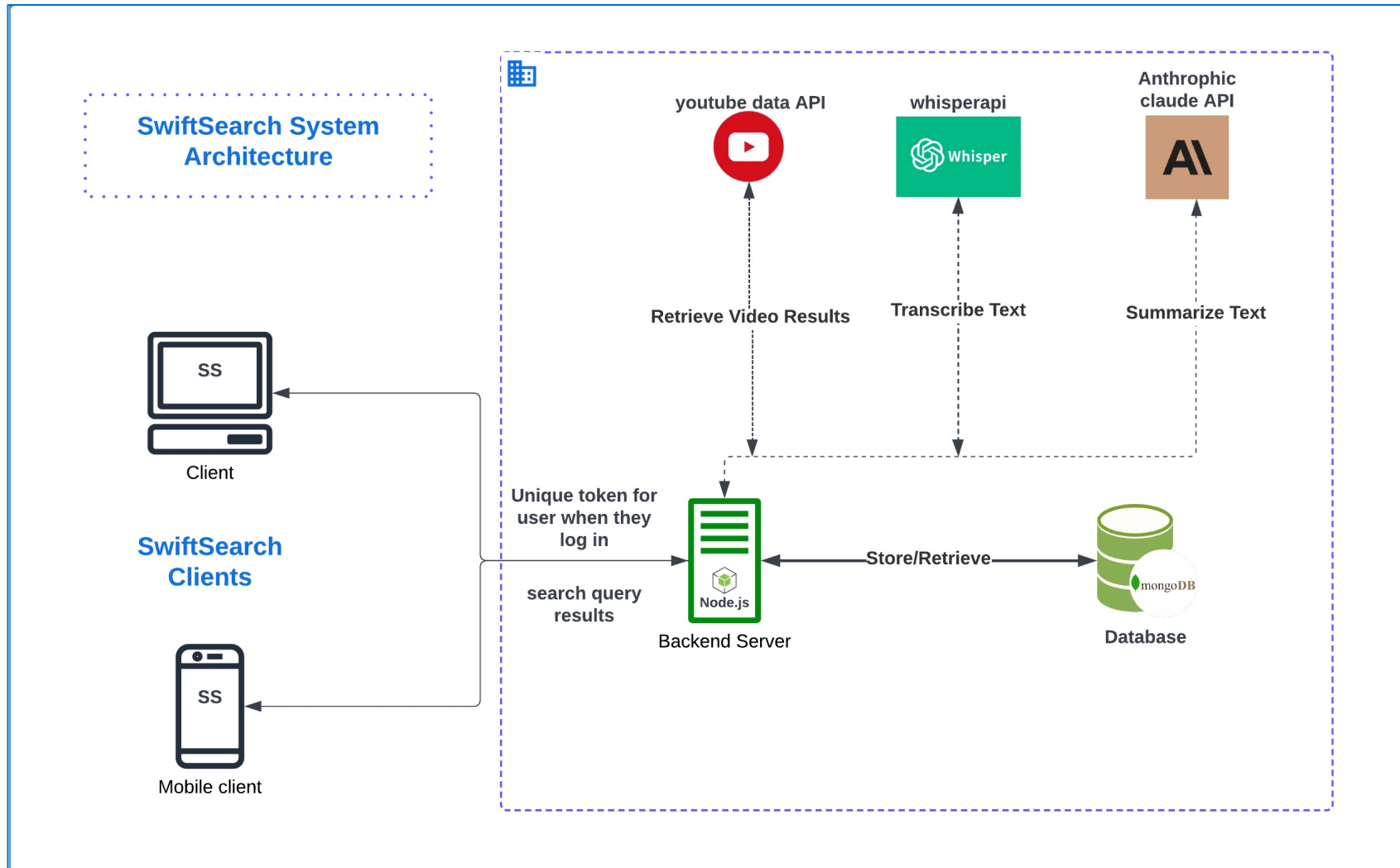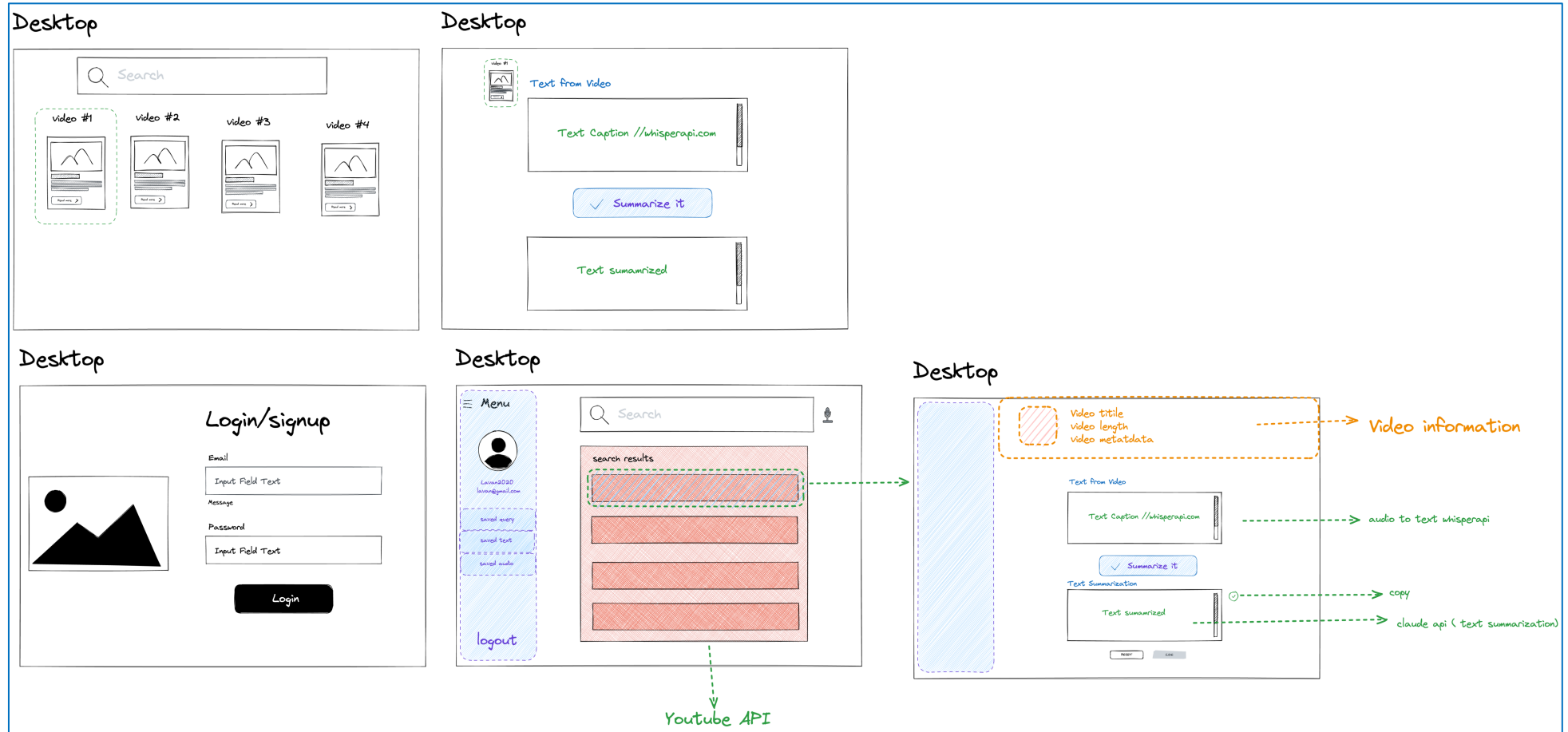
TECH STACK

Deployment Platforms

TECHNICAL DETAILS

WIREFRAME

Desktop

Search

video #1   video #2   video #3   video #4

Read more →

Desktop

Text from Video

Text Caption //whisperapi.com

✓ Summarize it

Text sumamrized

Desktop

Login/signup

Email
Input Field Text

Message

Password
Input Field Text

Login

Desktop

≡ Menu

Search 🎤

Lavan2020
lavan@gmail.com

saved query

saved text

saved audio

logout

search results

Desktop

Video titile
Video length
Video metatdata → → Video information

Text from Video

Text Caption //whisperapi.com → → → audio to text whisperapi

✓ Summarize it

Text Summarization

Text summarized

⊘ → → copy

→ → claude api (text summarization)

RESET   SAVE

Youtube API

PRODUCT DEMO

BUSINESS MODEL

- Since a prominent section of our target customers are students, we plan to partner with schools and universities to offer a student plan.

- For regular users, we plan to provide 10 video summaries per user per month for free. Users then have a choice to opt for a 'pay-as-you-go' subscription or tiered subscription.

- We will have 3 tiers:

    - Standard:- 25 summaries

    - Premium:- 100 summaries

    - Enterprise:- Contact for details

CHALLENGES

FUTURE WORK

- Different Whisper API providers tested

- Videos take a long to transcribe

- Deploying our Node application on the Cyclic platform

- Deploy on our own infrastructure

- Speed up video transcription

- Incorporate vector database

- Sentiment analysis on video comments

THANK YOU FOR LISTENING