MindScribe

The Creativity Collective
Team 015-04

Team Members

John Danekind

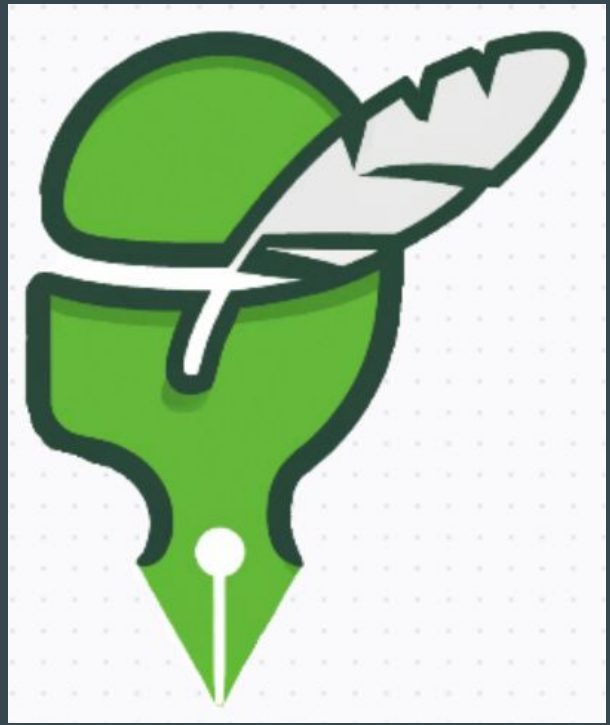
Blake DeHaas

Ryan Garrett

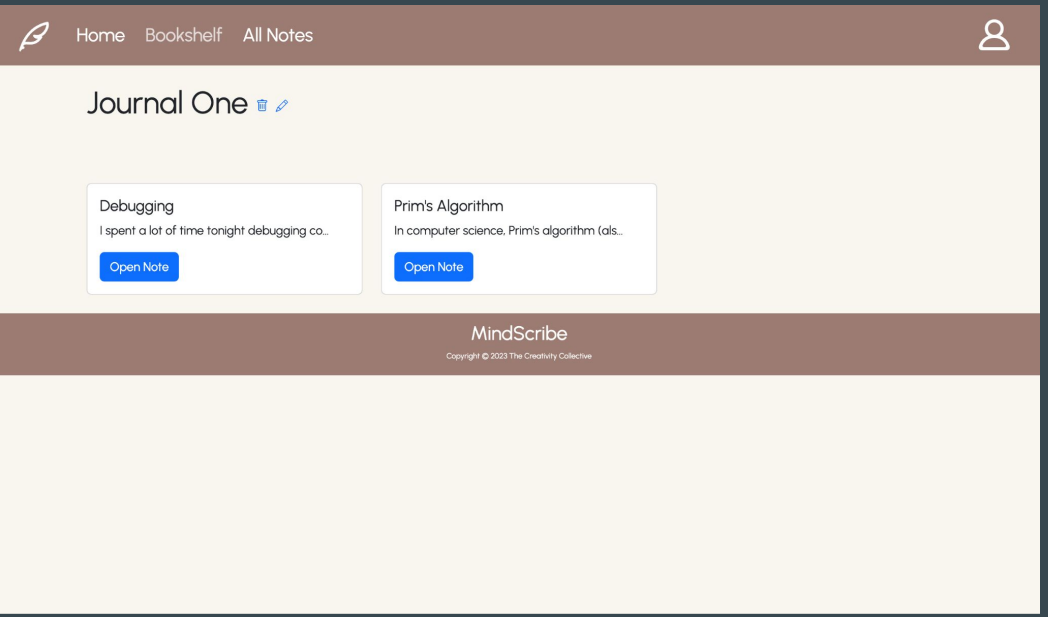
Elia Muncey

Jared Roberts

Creativity Collective



Project Description



Mindscribe

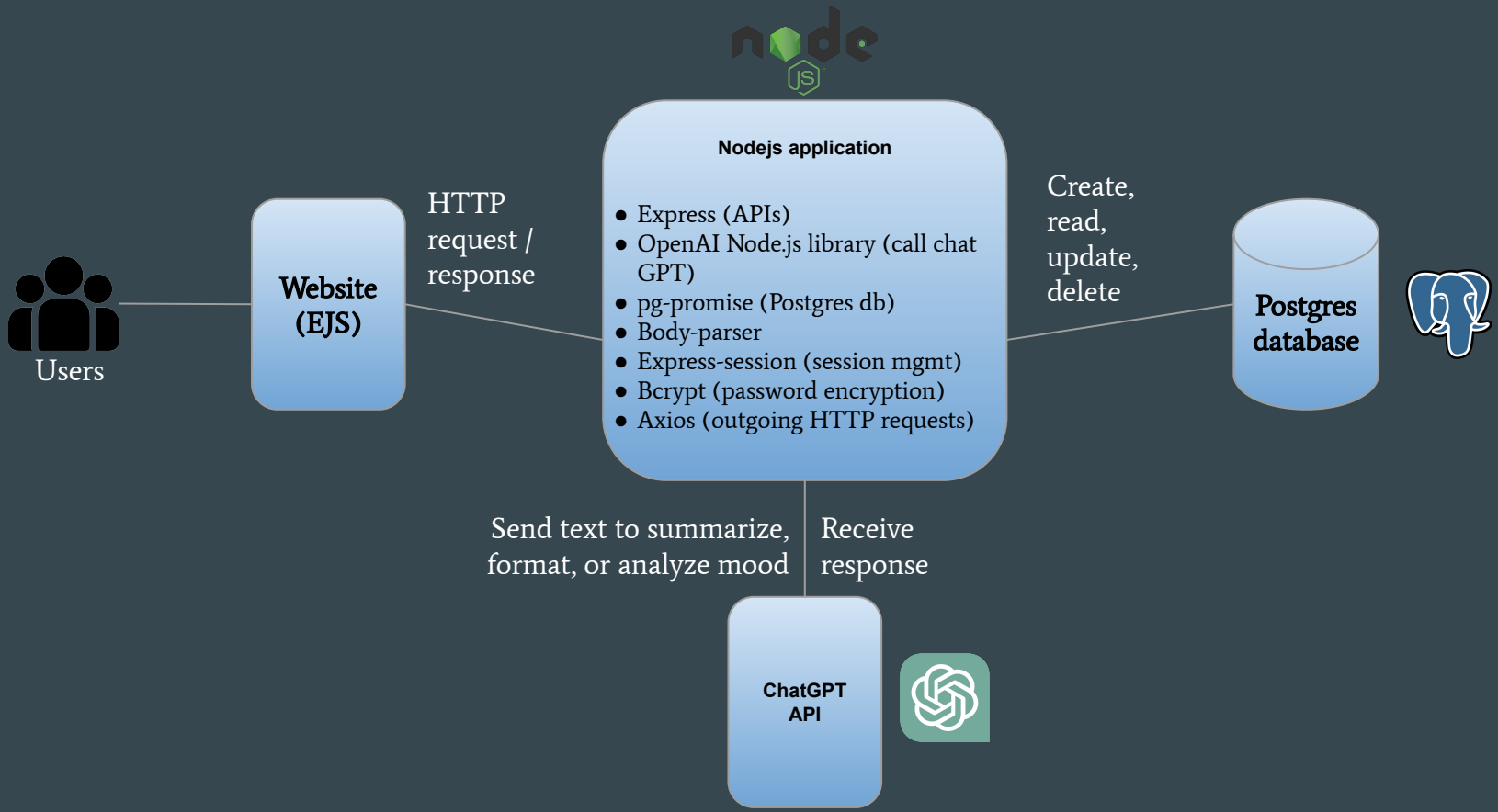
- Need for a notes app that makes reading easier
- Smart Journaling App
- Focus on Readability and Revisiting Notes
- Powered by the OpenAI ChatGPT 3.5 API
- Automatic mood tracking
- Smart note formatting
- Smart Summarize

Tools and environment

Tool	Purpose	Rating
GitHub	Project tracking	⭐⭐⭐⭐
GitHub	Source control	⭐⭐⭐⭐
PostgreSQL	Database	⭐⭐⭐⭐⭐
VSCode	IDE	⭐⭐⭐⭐⭐
Figma	Wireframes	⭐⭐⭐
NodeJS/Express	Server	⭐⭐⭐⭐⭐
Docker (local)	Deployment environment	⭐⭐⭐⭐⭐
Azure (cloud)	Deployment environment	⭐⭐⭐⭐
ChatGPT	API	⭐⭐⭐⭐
Bootstrap	UI framework	⭐⭐⭐⭐⭐

Methodology

- Condensed version of Agile Development
- Weekly planning meeting with the team
- Weekly TA meeting
- Organized using a Kanban board on Github
- Created Epics for main features
- Divided epics into user stories which were divided among group members


Users
Website (EJS)
HTTP request / response
Nodejs application
Express (APIs)
OpenAI Node.js library (call chat GPT)
pg-promise (Postgres db)
Body-parser
Express-session (session mgmt)
Bcrypt (password encryption)
Axios (outgoing HTTP requests)
Create, read, update, delete
Postgres database
Send text to summarize, format, or analyze mood
Receive response
ChatGPT API

Challenges

ChatGPT Integration

- Required lots of research and trial & error
- Limited calls to the API
- Responses can be unpredictable

Github Merge Conflicts

- Features would break with each merge
- Needed manual fixing
- Code could be deleted with automatic merges without warning

Teamwork

- Features relied on previous features being implemented
- Waited for one team member to finish a feature before others could start

Mindscribe Demo

Thanks for Watching!