EASY READS

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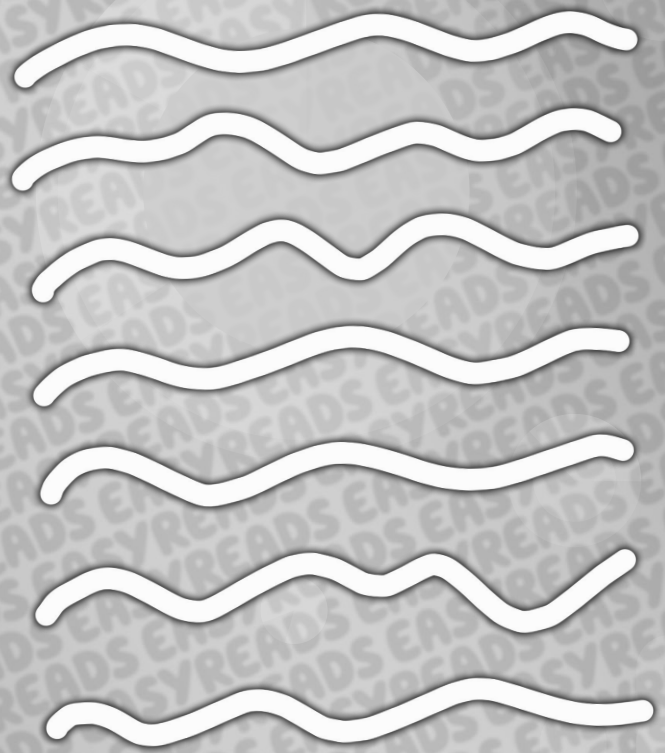
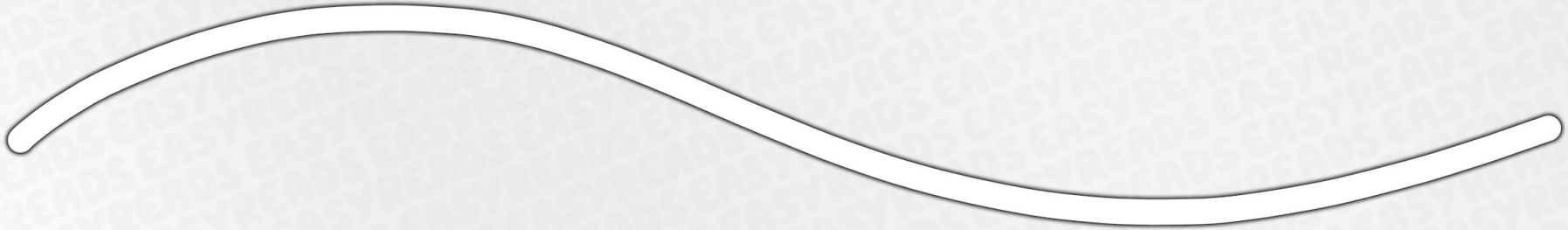


Description

EasyReads is an app for University of Colorado, Boulder students and faculty that provides a catalog of literary works for users to upload annotations. Users can create accounts to view various texts and make their own notes. These notes can be saved publicly and will be stored in their own library. Users can also publish their class notes to share with others, promoting the spread of ideas within the community.



Tools Used

VSCode ★★★★★

- General IDE (environment)

Docker ★★★★★

- Building, testing, deploying

PostgreSQL ★★★★★

- Primary data storage

GitHub ★★★★★

- VCS Repository & Project Board

Microsoft Azure ★★★★★

- Cloud deployment

EJS ★★★★★

- Embedding JS to generate HTML

Gutenberg API ★★★★

- Project to create our book API

HTML ★★★★★

- Describing structure of web pages

NodeJS ★★★★★

- Application server

Methodology

Agile Devlopment

- We used Agile to create an interactive website for books and notes, prioritizing user satisfaction.

Iterative Devlopment:

- We divided the project into sprints to focus on delivering specific features.

Weekly Meeting:

- Weekly meetings helped us discuss progress, identify roadblocks, align priorities, and stay on track by ensuring team members were aware of each other's tasks.

User Stories:

- User stories guided our development and prioritized tasks based on the user's value and expectations.

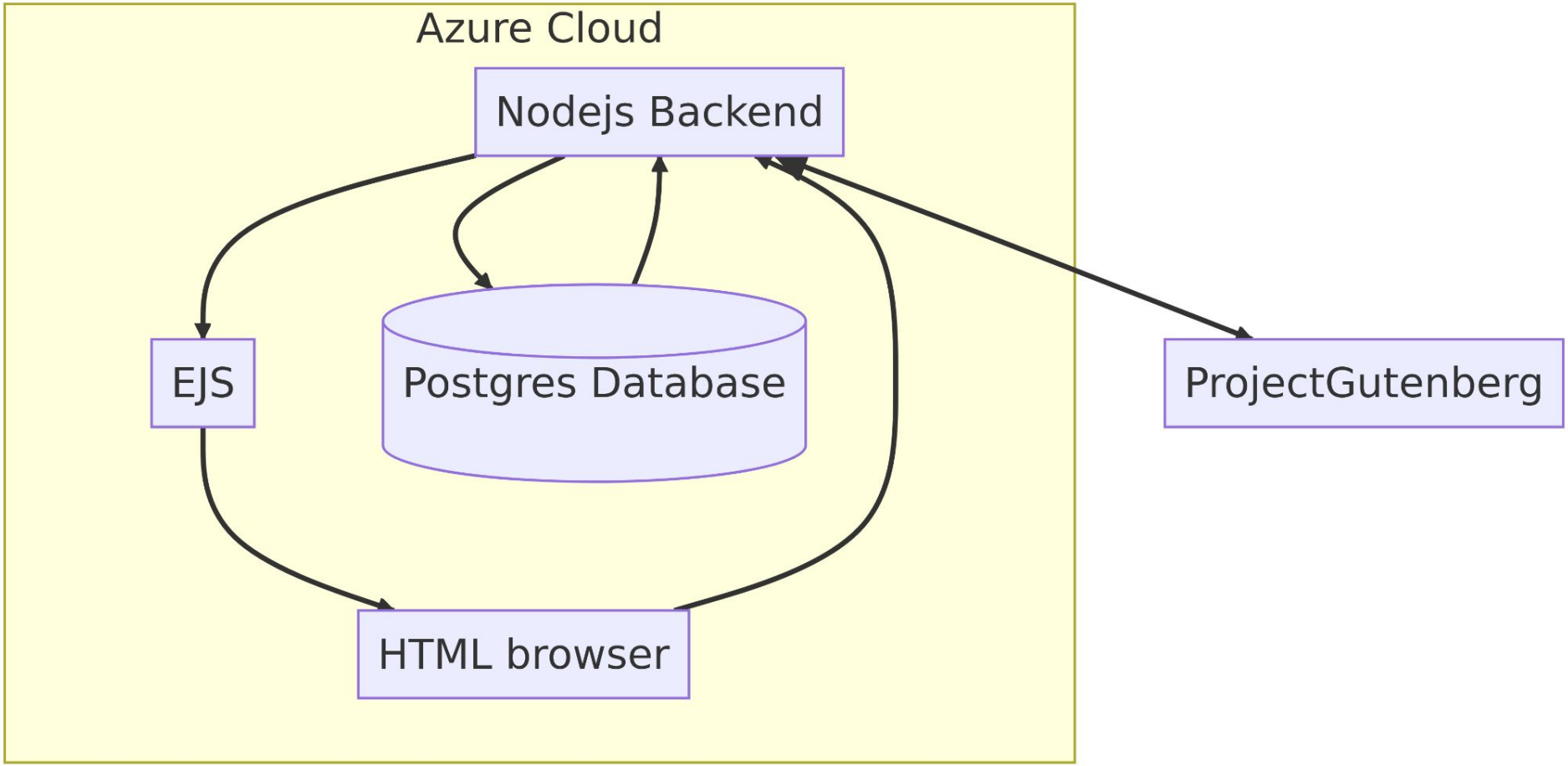
Continious Integration:

- Version control ensured stability and functionality by continuously integrating new code during development.

Outcome:

Agile helped us develop a responsive and user-friendly HTML website for books and notes. Its flexibility allowed us to adapt to changing requirements and deliver a high-quality product.

Architecture Diagram



Challenges

- Don’t reinvent the wheel
  - Initially the book covers were retrieved via another API called openlibrary, but we made the discovery that the Gutenberg API already being accessed had some book covers, was also much faster
    - Cut down on complexity by using the first API
- Github Branches
  - There was trouble making sure that branches were updated with the latest code
  - Some branches were not merged when pushed

DEMO