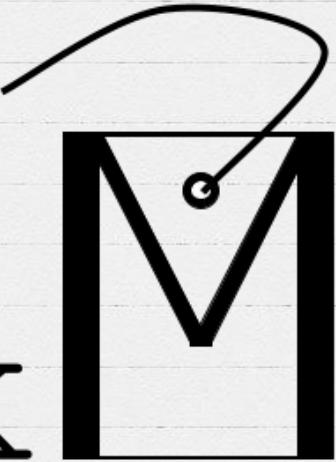


ATLAS

Book  ark

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Tools

Methodologies

Agile (3/5)

Method to organize tasks and allow for simple adaptation as challenges arise



Tools

Platforms/Communication

JIRA Board (2/5)

Platform that allowed for
clear and clean Agile
implementation



Discord (5/5)

Main method of text and
voice communication



Github (4/5)

Used for cloud saving of code
and easy shareability



Visual Studios Code (5/5)

Utilized with github in order to
edit

Allowed us to git pull/commit
simultaneously.



Docker(5/5)

Containerize node.js and
mongo so they can run
together



Tools

Languages / Coding Styles

HTML/CSS (5/5)

- Bootstrap Features- carousel, cards, navbar,
- Used forms



Node.js & Express Framework (5/5)

- Node.js is what allows the user to communicate with the server and the server to communicate with the database
- Express is the web app framework for Node.js which allows us to create APIs



MongoDB (5/5)

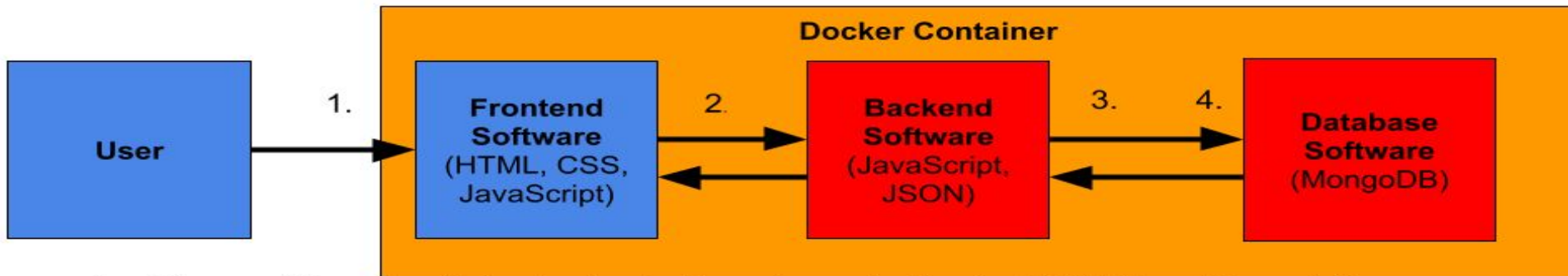
- non-relational database software
- stores json objects, making it easy to implement with node.js



Challenges

X Communication
between database /
server / frontend

X Persistent issues with
frameworks and
technologies



1. The user interacts with the frontend software by navigating the HTML files of the website. HTML and CSS are used as the visual components while JavaScript handles

HTML Files: Home page, Book Page, User Page,

2. The frontend software interacts with the backend by accessing specific information requested by the user. The backend tells the frontend what each of the HTML pages will look like based on who the user is and which book is clicked on.

Backend Capabilities: Pull data from database and display on webpage, Update specific user information such as reviews, Cater the home page to show books based on what the user has looked at/reviewed

3. In order to give specific information about each book and user, the backend must access its information from a MongoDB database. Book and user information will be requested as JSON files, and used to determine what the HTML will display.

JSON Objects: Book, User, Reviews

4. The database and web application will be run in a docker container so that it can be accessed at all times



Demo