MedicalSocialNetwork

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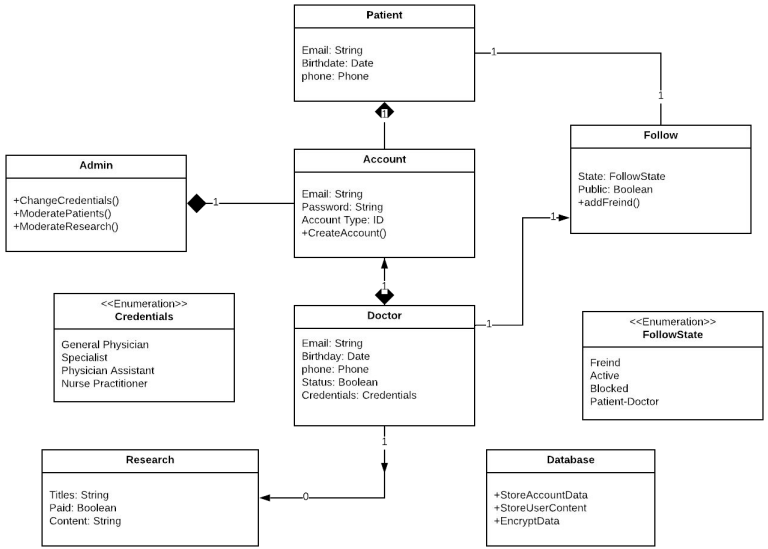
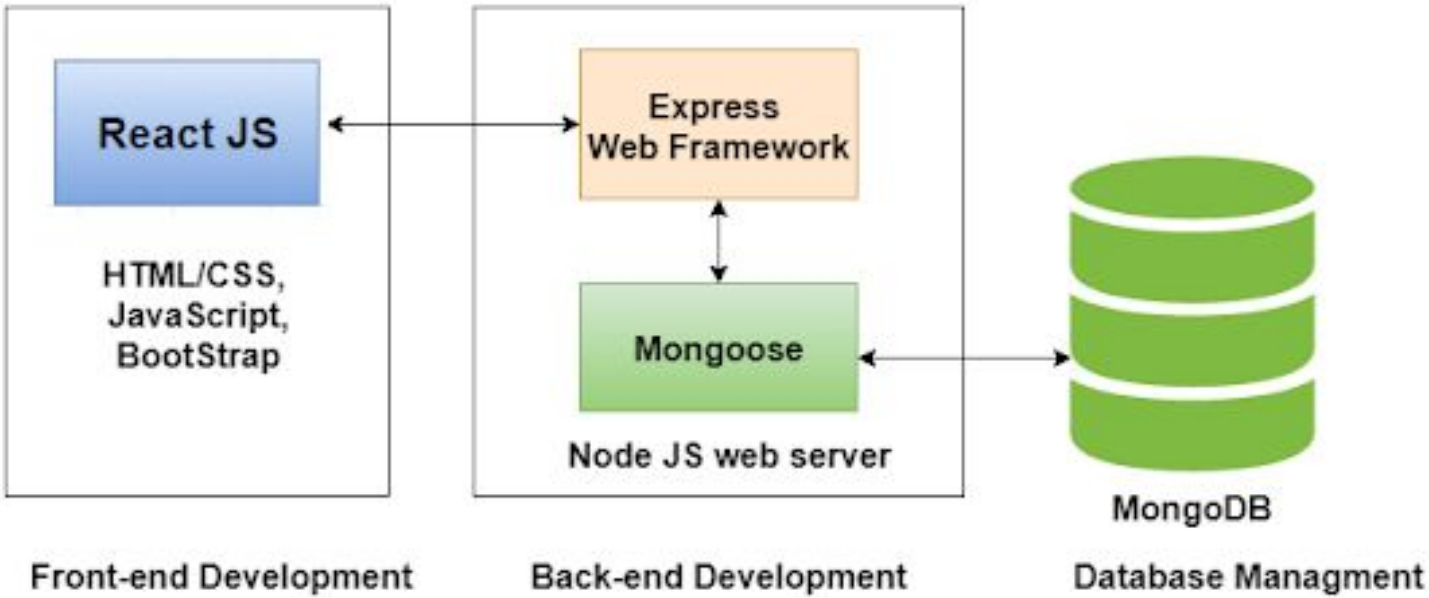
System Architecture



Tools

- MERN Stack
- Stacks allow devs to implement a solution in only JavaScript
- MongoDB- NoSQL DB to store user data - JSON form
- ExpressJS allows application to access request and response objects (API communication)
- React is a JS library for building user interfaces
- Redux manages state containers for behaviors in different environments
- NodeJS is the JavaScript runtime environment
- AWS S3 Bucket to store documents

MERN Stack Development



System Design

What are the design patterns used?

- Model/view/controller pattern
- Conditional rendering

Design Choices

-Easy to modify and replace components

-Only render what is needed

-Continuous integration check before deployment with Heroku

Quality Assurance

QA Methods used

-Travis - White Box

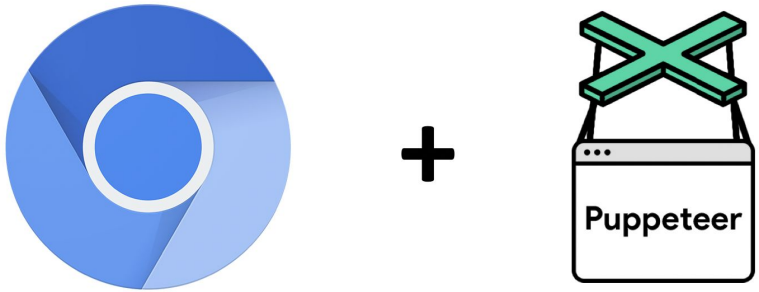
-Puppeteer - Black Box

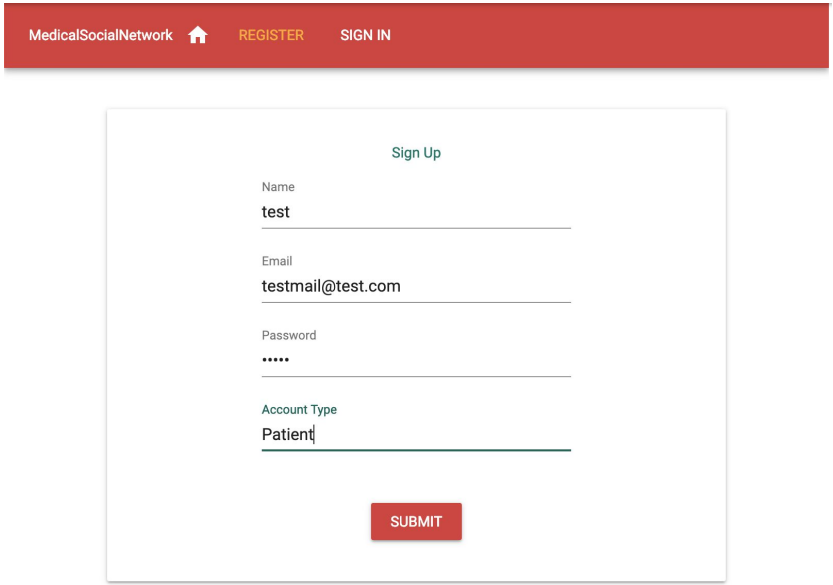
-Selenium - Gray Box

Puppeteer

Full autonomous testing of site to find bugs

Fulfills the same purposes as Black Box Tester

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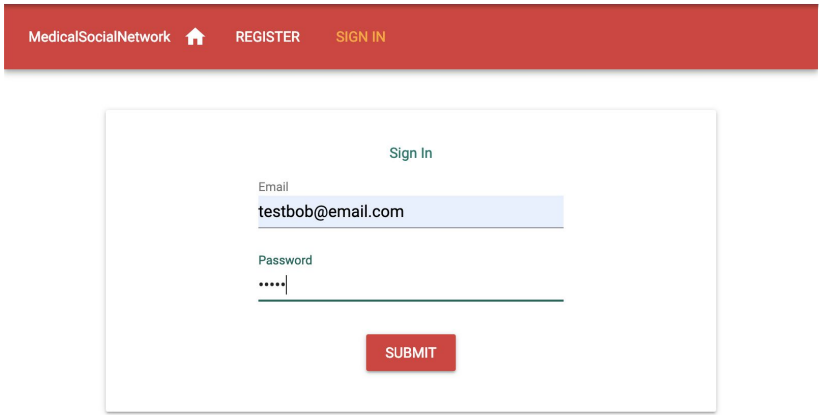
Password
Account Type
Patient
SUBMIT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