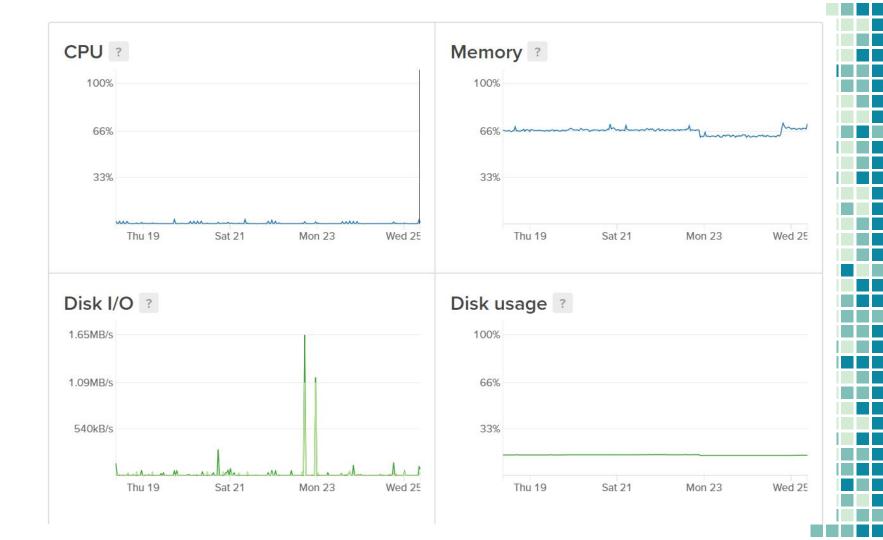
Attorney Form Builder



Server Details and Costs

MEMORY	VCPUS	SSD DISK	TRANSFER	PRICE
1GB 2GB	1vCPU	25 GB	1TB	\$5/mo \$0.007/hr
	1vCPU	50 GB	2 TB	\$10/mo \$0.015/hr
AR 4 GB	2 vCPUs	80 GB	4 TB	\$20/mo \$0.030/hr
8 GB	4 vCPUs	160 GB	5 TB	\$40/mo \$0.060/hr
16 GB	ó vCPUs	320 GB	6 TB	\$80/mo \$0.119/hr

MEI	MORY	VCPUS	SSD DISK	TRANSFER	PRICE
1 GE	3	3 vCPUs	60 GB	3 ТВ	\$15/mo \$0.022/hr
JLAR 2 G	В	2 vCPUs	60 GB	3 TB	\$15/mo \$0.022/hr
3 G	В	1 vCPUs	60 GB	3 TB	\$15/mo \$0.022/hr



Server Details and Costs

MEMORY	VCPUS	SSD DISK	TRANSFER	PRICE
1GB	1vCPU	25 GB	1TB	\$5/mo \$0.007/hr
2 GB	1 vCPU	50 GB	2 TB	\$10/mo \$0.015/hr
4 GB	2 vCPUs	80 GB	4 TB	\$20/mo \$0.030/hr
8 GB	4 vCPUs	160 GB	5 TB	\$40/mo \$0.060/hi
16 GB	ó vCPUs	320 GB	6 TB	\$80/mo \$0.119/hr

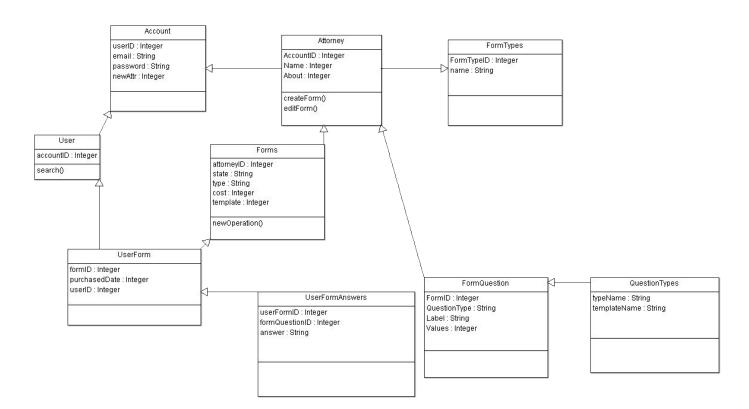
	MEMORY	VCPUS	SSD DISK	TRANSFER	PRICE	
	1GB	3 vCPUs	60 GB	3 ТВ	\$15/mo \$0.022/hr	
OPULAR	2 GB	2 vCPUs	60 GB	3 TB	\$15/mo \$0.022/hr	
	3 GB	1 vCPUs	60 GB	3 TB	\$15/mo \$0.022/hr	

Software requirements

- Apache web server
- MariaDB
- Express web server for Node.js

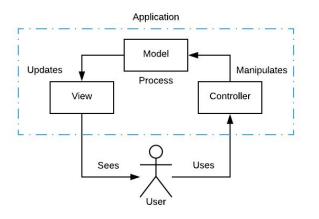


UML Model





Model-View-Controller Pattern



Application and GUI are designed and built with the user in mind.

- User uses the controller to manipulate the model
- Model updates the view
- User sees the updated view
- Pattern repeats as needed

Code Extensibility

NodeJS backend

expressJS, NPM

React frontend

Component system, becoming industry standard



QA Methods

Code Testing

End-to-End & Unit

User Testing

Non-technical user

Code Writing Best Practices

Descriptive naming for classes, methods and variables

Code is easy to read for future maintainability

Version Control

Github



Mocha Testing Framework

End to End Tests

- Create Account
- Login
- Form Search
- Build Form

Unit Tests

- User Login
- Purchase Form

```
varn run v1.5.1
$ nyc mocha -- recursive
  build forms test
   should add a question (4694ms)

✓ should add a container (3832ms)

  search forms test
    should find forms (3431ms)
  login test
    should login (1540ms)
   shouldn't login (1280ms)
  register test
    should register (1655ms)
   shouldn't register - not equal passwords (1289ms)

✓ shouldn't register - used email (1243ms)

  Purchase form test
    should purchase (2888ms)

✓ should not purchase (1386ms)

  user test
    should login user (1543ms)

✓ shouldn not login user (1286ms)

  12 passing (29s)
```

Continuous Integration & Delivery

Github - github.com/ES0F423/attorney-form-builder

- Code changes are committed & pushed to repository
- Generates continuous deployment key

Travis CI - travis-ci.org

- Monitors Github using the deployment key
- Deploys updates automatically



Product Demonstration

http://server.redstone.lab:8080

