



IBM CERTIFICATIONS PREPARARATION APP

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Architecture

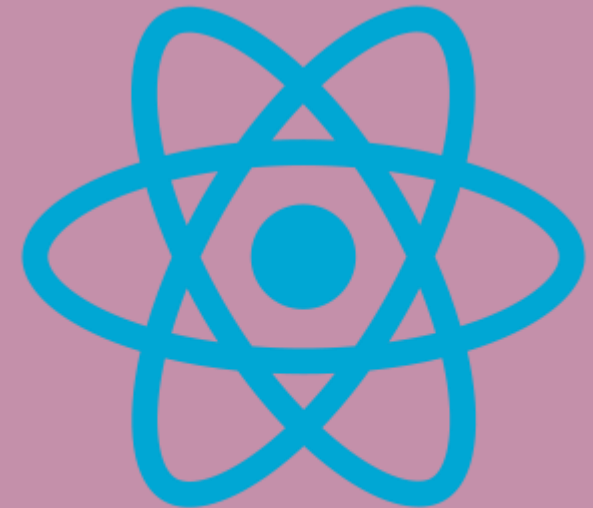
AWS Deployment



REST



Client App



React Native



Implementation plan

- Create DB models
- Code endpoints
- Protect with authentication
- Write API specification
- Create Learn, Test and About views
- Code question views (including environment simulation)
- Implement search

Current progress

DONE:

- DB models
- API endpoints
- Basic authorization
- Swagger-UI
- RAML API specification
- Dockerfile containerization
- Kubernetes deployment
- Certifications List view
- Questions List view
- Question view (for simple questions)

TODO:

- Learn tab
- About tab
- Question view (enhanced)
- Search implementation
- Simulating exam environment (for Kubernetes and OpenShift only)

Current progress

8:35 [status icons] [status icons]

Certifications

🔍 Search

EX-288
Red Hat OpenShift Development II: Containerizing Applications

EX-180
Red Hat OpenShift I: Containers & Kubernetes

EX-280
Red Hat Certified Specialist in OpenShift Administration

Learn Test About

Models

```
Category {
  description string
  id string
  name string
}

Item {
  answers > [...]
  categoryId string
  description string
  helpers > [...]
  id string
  name string
  type string
  Enum: Enum
} > Array [ 4 ]
```

Link >

ModelAndView >

View >

Swagger THE FRAMEWORK

Select a definition default

Api Documentation 1.0

[Base URL: localhost:8080]
<https://localhost:8080/api/v1/api-docs>

Api Documentation
Terms of service
Apache 2.0

basic-error-controller Basic Error Controller >

category-controller Category Controller

- GET /api/category all
- POST /api/category newCategory
- GET /api/category/{id} one
- PUT /api/category/{id} put
- DELETE /api/category/{id} deleteCategory

item-controller Item Controller >

main-controller Main Controller >

operation-handler Operation Handler >



Thank you!