

Unit Testing with Jest



Step by step



Step by step

- Create a simple Koa server
- Create a Mongo DB and connect with Mongoose
- Setup Jest
- Refactor the Controller to enable dependency injection of mock data.
- Isolate the Controller methods for unit testing

Setup Jest

Add jest as a dependency

```
npm i jest --save-dev
```

Edit the package.json

```
"scripts": {  
  "test": "jest --detectOpenHandles  
--config ./jest-config.js"  
},
```

Create `jest-config.js`

```
module.exports = {  
  testEnvironment: 'node'  
};
```

Setup Koa and Mongoose



ctx

http

request

response

- ctx.request.body
- ctx.params

- ctx.body
- ctx.status

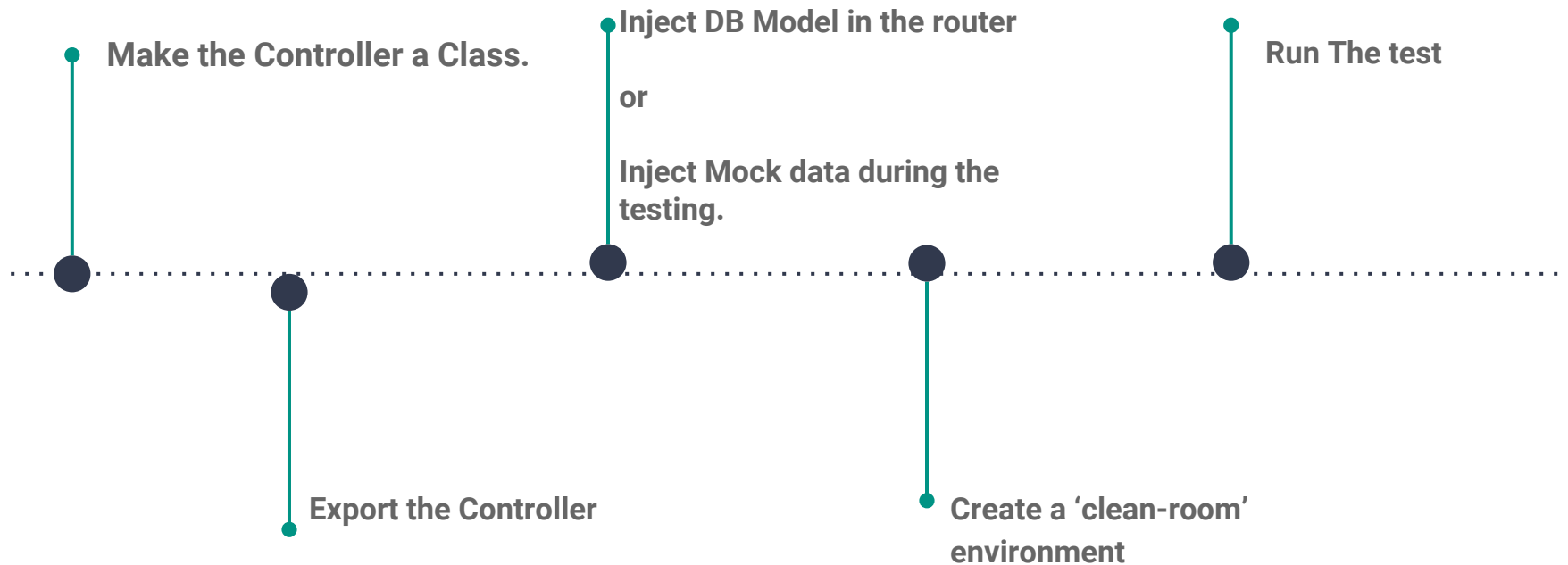
Refactoring the Controller

Thing to remember:

Make It Classy !



Unit Testing



Thank You