Challenges

1. Merge state.json and mongo db

When try to get states data, query first mongodb and compare state.code with collection's stateCode name and merge them

2. Handle exception cases for invalid param in post/patch request

There are different exceptions cases in these API, so for each case, I need to make relevant error message with 404 code

3. seeding database

When first run application, we should import some funfacts data on some states

So I just implement seeding parts using moogose, so user does not need to input initial data manually.

4. after deploy, launch node js instance automatically

So I added "start": "node server.js" on package.json

5. A catch all should be provided to serve a 404 status if the route does not exist.

In order to catch all routes, I used app.use(function (req, res, next) {

And for web brower accept, I used res.format

6. Check if state is correct or not

There are multiple routes which requires to check if state param is correct or not.

Instead of duplicated code for checking state, I introduce the middleware "checkState" and add it.

7. Pass 404 page error

When route does not exist, task requires return 404 status.

So I set 404 status for html page, but still failed to pass.

I figured out finally that I need to return 404 error page as follow.

```
<!DOCTYPE html>
<html>
<head>
<title>404</title>
</head>
<body>
<h1>404</h1>
</body>
</html>
```