Group #6 Team Project Week#3 Journal

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**The work I did last week:**

**2016.4.18** We need authentication method after the user login and go to the order and other pages. Research on authorization method in nodejs and express. And decided to use passport module in express to authorize users.

**2016.4.19** Implement the authorization functions with passport and jwt in express in the user model first. After user login, there will be a token generated and return to the user, and frontend will just need to include this token in the future request for this user. Document the APIs including path, required parameters and response to let the front end know.

**2016.4.20** Update other CRUD operations in the user mode to include the authorization function and also implement to encrypt the password. Update the API document to let front end be aware of the change.

**2016.4.21** Update the comment model with CRUD operations to include the authorization function. Update the API document to let front end be aware of the change.

**2016.4.22** Deploy the mongodb replication set on AWS, including one primary node and two secondary nodes. And test the replication set. Update the API document to let front end be aware of the change.

**2016.4.23** Implement the cart model and add CRUD operations with authorization function. Update the API document to let front end be aware of the change.

**The problems I encountered:**

1. Implement the authorization method, how to generate the different token for different users and how to authenticate the user with this token.
2. When deploy the mongo dB replication set on AWS, encounters lots of problems, such as the mongod server cannot start by using --fork options, and I want to change the mongod.conf file to let the mongo start automatically, but it didn’t work.

**The work I plan to do next week:**

1. Update the comment model with user authentication.
2. Implement API of the order model.
3. Create dish, catalog data file and insert some data into the replication set.
4. Try to test the deployment of the RESTful API on EC2