Group #6 Team Project Week#4 Journal

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**The work I did last week:**

**2016.4.24:** Update the comment model with user authentication function. Implement get function in order model. Update the API documentation.

**2016.4.25** In order to implement the place order function, create some pre save and post save functions in user and cart mode, and then successfully implement the place order function. Update the API documentation.

**2016.4.26** Install node js in EC2 instance and deploy the Database engine in AWS EC2 instance. Inform the front end to test our application.

**2016.4.27** Meet with frontend and explain to them how the authentication works, then work together to successfully get the authentication between front end and backend working well.

**2016.4.28** Adjust the place order function and shopping cart model according to front end’s request.

**2016.4.29** Adjust the user model and several APIs in user model according to front end’s request.

**The problems I encountered:**

1. Need to know how to update just one filed in the embedded items, update one dish in the shopping cart model.
2. When implement the place order function, the ordered items needs to be deleted from shopping cart righter after the order is placed successfully. Thanks to the callback function in Node js.
3. Encounter many problems when I tired to Install the node js on EC2 server and npm, express and then deploy our project on EC2.
4. Need to know how to start the web server forever, npm has forever module.

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

1. Continue adjust the backend engine according to frontend’s request.
2. Try to store our pictures in the web server instead of database.
3. Connect the API to the MongoDB replication set
4. Insert data after front end confirm that there is no change needed in database engine.
5. Deploy the webserver with ELB.
6. Finalize the project demo.