Lab 7

Wednesday, December 23, 2015   9:22 AM

Task

Extend your project created in Lab tutorial 6 with the following:

Use MongoLab and develop at least 4 rest services to create, read, update and delete data (CRUD) from MongoDB.

The Mandatory ones are Login with validation, register. The other 2 rest services should be related to your project.

Submit the screenshots of your application under the github documentation folder.

Submit the code under the Source folder in Github.

Used tutorial provided at cwbuecheler.com/web/tutorials/2013/node-express-mongo/

```
        "_id" : ObjectId("5697ffcfbb0061cf0f96706c"),
        "username" : "testuser1",
        "email" : "testuser1@testdomain.com"

        "_id" : ObjectId("569800adbb0061cf0f96706d"),
        "username" : "testuser2",
        "email" : "testuser2@testdomain.com"

        "_id" : ObjectId("569800adbb0061cf0f96706e"),
        "username" : "testuser3",
        "email" : "testuser3@testdomain.com"

db.usercollection.find().pretty()

        "_id" : ObjectId("5697ffcfbb0061cf0f96706c"),
        "username" : "testuser1",
        "email" : "testuser1@testdomain.com"

        "_id" : ObjectId("569800adbb0061cf0f96706d"),
        "username" : "testuser2",
        "email" : "testuser2@testdomain.com"

        "_id" : ObjectId("569800adbb0061cf0f96706e"),
        "username" : "testuser3",
        "email" : "testuser3@testdomain.com"

        "_id" : ObjectId("5698080dc91f10e4189d9e35"),
        "username" : "mongoworks",
        "email" : "mongoworks@rockingnode.com"
```
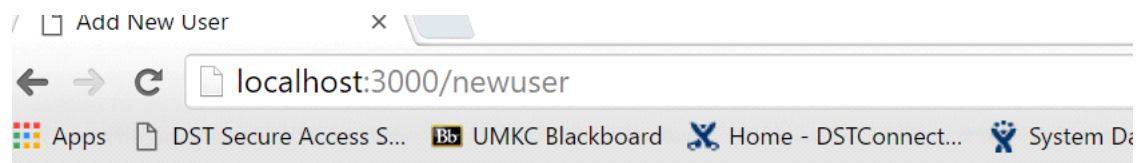
Screen clipping taken: 1/14/2016 2:43 PM

```javascript
 1   var express = require('express');
 2   var router = express.Router();
 3
 4   /* GET home page. */
 5 ▼ router.get('/', function(req, res, next) {
 6     res.render('index', { title: 'Express' });
 7   });
 8
 9   /* GET Hello World page */
10 ▼ router.get('/helloworld', function(req, res){
11       res.render('helloworld', { title: 'Hello, World!'});
12   });
13
14   /* GET Userlist page. */
15 ▼ router.get('/userlist', function(req, res){
16       var db = req.db;
17       var collection = db.get('usercollection');
18 ▼     collection.find({},{},function(e,docs){
19 ▼         res.render('userlist', {
20               "userlist" : docs
21           });
22       });
23   });
24
25   /* GET New User page. */
26 ▼ router.get('/newuser', function(req, res){
27       res.render('newuser', { title: 'Add New User' });
28   });
29
30   /* POST to Add User Service */
31 ▼ router.post('/adduser', function(req, res) {
32
33
34       // Set internal DB variable
35       var db = req.db;
36
37       // Get form valuses
38       var userName = req.body.username;
39       var userEmail = req.body.useremail;
40
41       // Set our collection
42       var collection = db.get('usercollection');
43
44       //Submit to DB
45 ▼     collection.insert({
46           "username" : userName,
47           "email" : userEmail
48 ▼     }, function(err, doc){
```
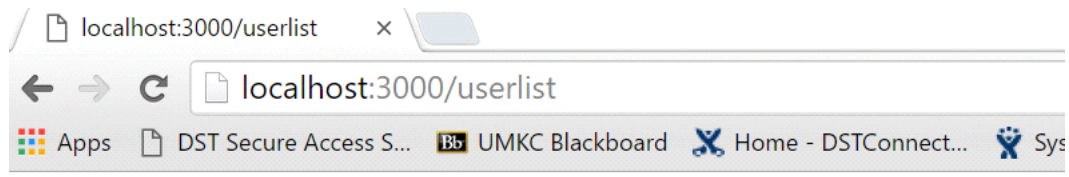
Screen clipping taken: 1/14/2016 2:44 PM

Add New User

| username | useremail | submit |

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User List

- testuser1
- testuser2
- testuser3
- mongoworks

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