# Lab 09: React JS

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**Task Code:**

var mongoose = require("mongoose");

var bodyparser = require("body-parser");

var express = require("express");

var app = express();

var session = require('express-session');

const multer = require('multer');

const storage = multer.diskStorage({

    destination: function (req, file, cb) {

      cb(null, \_\_dirname + '/public/images')

    },

    filename: function (req, file, cb) {

      cb(null, file.originalname)

    }

  })

const upload = multer({storage: storage});

app.use(express.static( \_\_dirname + '/public'));

app.use(bodyparser.urlencoded({ extended: true }));

app.use(session({secret: 'ssshhhhh'}));

var sess;

app.set("view engine", "pug");

app.set("views", "./views");

mongoose.connect("mongodb://localhost/PMS");

var personschema = mongoose.Schema({ name: String, email: String, password: String, role: String });

var Person = mongoose.model("Person", personschema);

var productschema = mongoose.Schema({ name: String, price: Number, category: String, image:String, seller\_id: String });

var Product = mongoose.model("Product", productschema);

app.get("/", function (req, res) {

    res.render("login");

});

app.post("/", function (req, res) {

    sess = null;

    var personInfo = req.body;

    if (personInfo.password != personInfo.password\_check) {

        res.render("signup", { message: "Invalid Password!", type: "error" });

    }

    else {

        var person\_role;

        if (personInfo.seller == "Sign Up as a Seller")

            person\_role = "Seller"

        else

            person\_role = "Buyer"

        var newPerson = new Person({ name: personInfo.name, email: personInfo.email, password: personInfo.password, role: person\_role });

        newPerson.save(function (err, Person) {

            if (err) {

                res.render("signup", { message: "Error adding record!", type: "error" })

            }

            else {

                res.render("login", { message: "Signed up!", type: "success" });

                console.log(req.body);

            }

        })

    }

});

app.all("/signup", function (req, res) {

    res.render("signup");

});

app.post("/home", function (req, res) {

    var personInfo = req.body;

    Person.findOne({ email: personInfo.email, password: personInfo.password }, function (err, response) {

        if(err || response == null) {

            res.render("login", { message: "Invalid email or password", type: "error" });

        }

         else{

             sess= req.session;

             sess.user = response;

             Product.find(function(err, prod\_response){

                res.render("home", { user: sess.user, products: prod\_response });

             })

             console.log(response);

         }

    });

});

app.get("/home", function(req, res){

    console.log(sess.user.\_id);

    Product.find(function(err, prod\_response){

        res.render("home", { user: sess.user, products: prod\_response });

     })

})

app.post("/save", upload.single('photo'), function(req,res){

    var productInfo = req.body;

        console.log(req.file.filename);

        var newProduct = new Product({ name: productInfo.name, price: productInfo.price, category: productInfo.category, image: "/images"+"/" + req.file.filename, seller\_id: sess.user.\_id });

        newProduct.save(function (err, Person) {

            if (err) {

                res.render("home", { message: "Error adding product!", type: "error" })

            }

            else {

                res.redirect("home");

                console.log(req.body);

            }

        })

})

app.post("/update", function(req,res){

    var productInfo = req.body;

        console.log(sess.user.\_id);

        Product.findOneAndUpdate({ \_id : productInfo.id  },{name: productInfo.name, price: productInfo.price, category: productInfo.category},function(err, prod\_response){

            res.redirect("home");

         })

})

app.post("/delete", function(req,res){

    var productInfo = req.body;

        console.log(sess.user.\_id);

        Product.findByIdAndRemove(productInfo.id,function(err, prod\_response){

            res.redirect("home");

         })

})

app.listen(3000);