//**jshint esversion:6** -- **APP.JS**

const **express** = require("express");

const **bodyParser** = require("body-parser");

const **mongoose** = require("mongoose");

const **app** = express();

const **\_** = require("lodash");

app**.set**('view engine', 'ejs');

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

app.**use**(express.static("public"));

// mongoose connection

mongoose.**connect**("mongodb://localhost:27017/todolistDB", { useUnifiedTopology: true, useNewUrlParser: true });

//create a schema

const itemsSchema = new mongoose.Schema({

name: String

});

//create a model

const Item = mongoose.model("Item",itemsSchema);

//create mongoose document

const item1 = new Item({

name: "Welcome to your todolist"

});

const item2 = new Item({

name: "Hit + button to add a new item"

});

const item3 = new Item({

name:"<-- Hit this to delete an item"

});

//create an array to insert elements

const defaultItems = [item1,item2,item3];

//new schema

const listSchema = {

name: String,

items: [itemsSchema]

};

const List = mongoose.model("List",listSchema);

app.get("/", function(req, res) {

Item.find({}, function (err, foundItems){

if(foundItems.length === 0){

Item.insertMany(defaultItems, function(err){

if(err){

console.log(err);

} else {

console.log("Succesfully saved default items to DB.");

}

});

res.redirect("/");

} else {

res.render("list", {listTitle: "Today", newListItems: foundItems});

}

});

});

app.get("/:customListName", function(req,res){

const customListName =\_.capitalize(req.params.customListName);

List.findOne({name: customListName}, function(err, foundList){

if (!err){

if (!foundList){

//create a new list

const list = new List({

name:customListName,

items: defaultItems

});

list.save();

res.redirect("/"+ customListName);

} else {

//show an existing list

res.render("List",{listTitle: foundList.name, newListItems: foundList.items});

}

}

});

});

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

const itemName = req.body.newItem;

const listName = req.body.list;

const item = new Item({

name: itemName

});

if (listName === "Today"){

item.save();

res.redirect("/");

} else {

List.findOne({name:listName}, function(err,foundList){

foundList.items.push(item);

foundList.save();

res.redirect("/" + listName);

});

}

});

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

const checkedItemId = req.body.checkbox;

const listName = req.body.listName;

if (listName === "Today"){

Item.findByIdAndRemove(checkedItemId, function(err){

if (!err){

console.log("The id " + checkedItemId +" was Succesfully removed");

res.redirect("/");

}

});

} else {

List.findOneAndUpdate({name:listName},{$pull: {items: {\_id: checkedItemId}}}, function(err,foundList){

if (!err){

res.redirect("/" + listName);

}

});

}

});

app.get("/work", function(req,res){

res.render("list", {listTitle: "Work List", newListItems: foundItems});

});

app.get("/about", function(req, res){

res.render("about");

});

app.listen(3000, function() {

console.log("Server started on port 3000");

});

**LIST.JS**

<%- include("header") -%>

<div class="box" id="heading">

<h1> <%= listTitle %> </h1>

</div>

<div class="box">

<% newListItems.forEach(function(item) { %>

<form action="/delete" method="post">

<div class="item">

<input type="checkbox" name= "checkbox" value="<%= item.\_id %>" onChange="this.form.submit()">

<p><%= item.name %></p>

</div>

<input type="hidden" name="listName" value="<%= listTitle %>"></input>

</form>

<% }); %>

<form class="item" action="/" method="post">

<input type="text" name="newItem" placeholder="New Item" autocomplete="off">

<button type="submit" name="list" value="<%= listTitle %>">+</button>

</form>

</div>

<%- include("footer") -%>