CSE 203- Web Programming 1

Toros UNIVERSITY

COMPUTER and SOFTWARE ENGINEERING DEPATRMENT

Laboratory Work #7

This laboratory work covers HTML&CSS, JavaScript and NodeJS.

Design a website with consideration of two horizontal containers (div tag). The first container is 30% of the page. Insert a slideshow of three images in the first container.

The second container includes two parts: the left part is used to register to the database using username and password of users. The right part of container inserts images into the database and shows them on the page.

You need to insert the following modules to your js file.

const express=require("express");

const app=express();

const ejs=require("ejs");

const mongoose=require("mongoose");

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

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

connect to the database:

mongoose.connect("mongodb+srv://**yourusername**:**yourpassword**@cluster0.vjla8.mongodb.net/**databasename**",

//Creat schema

const **schemename**=mongoose.Schema({

//create schema model

const **modelname**=mongoose.model

//set the folders

app.set("views", "./views");

app.set("view engine", "ejs");

.

.

.

//use app.get and app.post to send and receive information.

//In order to upload images into the database, you need to install the module multer.

```javascript
var multer = require('multer');

var storage = multer.diskStorage({
    destination: (req, file, cb) => {
        cb(null, 'uploads')
    },
    filename: (req, file, cb) => {
        cb(null, file.fieldname + '-' + Date.now())
    }
});

var upload = multer({ storage: storage });
```

//the schema for image uploading can be introduced as:

```javascript
var imageSchema = new mongoose.Schema({
    name: String,
    desc: String,
    img:
    {
        data: Buffer,
        contentType: String
    }
});
//Image is a model which has a schema imageSchema
```

//In order to listen to the port you should use:

```
app.listen(3000,function(){

    console.log("server is running on http://localhost:3000");

})
```

//to start nodejs in the terminal:

npm init

//to install the packages

npm i mongoose express multer body-parser ejs ……

//to run your file

node server