Verzeo Minor Project-Back-end web-dev Node.js

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Project Name: MongoDB with Nodejs February Major Project

Project Deadline: 08/04/2022

Project statement:

• Project Name:

• Project Description:

Insert Data using form to MongoDB Database

Create a Database in MongoDB with collection to insert data using form.

Prepare a form using EJS for inserting data to MongoDB

Form Fields should be

- Student name
- Course
- Age
- Email Address

Send this data to MongoDb (For this you need to create one more file(App.js).

Project Link:

https://drive.google.com/drive/folders/1B3eccjSTxqsH0QG1-vBqntFHQxK7VFy9?usp=sharing

JavaScript file:

https://drive.google.com/file/d/1FR7ZvujiZC6YxHe_dYVUf7ubeMYj7z1M/view?usp=sharing

```js
JS app.js        ✕

exprs > JS app.js > ...
   1    var express=require("express")
   2    var mongoose=require("mongoose")
   3    var bodyParser=require("body-parser")
   4    const app=express()
   5
   6    app.use(bodyParser.json())
   7    app.use(express.static('public'))
   8    app.use(bodyParser.urlencoded({
   9        extended:true
  10    }))
  11    mongoose.connect("mongodb://localhost:27017/studentdb")
  12    var db=mongoose.connection
  13    db.on('error',()=>console.log('error connection'))
  14    db.once('open',()=>console.log('connected db'))
  15    app.post('/sign-up',(req, res)=>{
  16        var student_name=req.body.student_name
  17        var course=req.body.course
  18        var age=req.body.age
  19        var email=req.body.email
```

```
21          var data={
22              "student_name":student_name,
23              "course":course,
24              "age":age,
25              "email":email
26          }
27          db.collection('form').insertOne(data, (err,collection)=>{
28              if(err){
29                  throw err;
30              }
31              console.log("document inserted successfully")
32          })
33          return res.redirect('new.html')
34      })
35      app.get('/',(req, res)=>{
36          return res.redirect('index.html')
37      }).listen(3000);
38      console.log("Listening")
```

HTML file:(index.html & submit.html)

https://drive.google.com/file/d/1SPHtyTzuWz0tI0iLmLl5spz3RPrhaslN/view?usp=sharing

Index.html

```html
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Verzeo Major Project</title>
    <link rel="stylesheet" href="styles.css" />
</head>

<body>
    <div class="wrapper">
    <div class="fullforms">
        <div class="header">Create Account</div>
        <div class="form">
            <form method="post" enctype="text/plain">
                <label class="Fname in" for="fname">First name: </label>
                <label class="Lname in" for="lname">Last name: </label>
                <br>
                <input class="fi box"type="text" id="fname" placeholder="Enter your first
name" />
                <input class="fi box" type="text" id="lname" placeholder="Enter your last
name" />
                <br><br>
                <label for="course">course:</label>
                <input class="box" type="text" name="coursetaken" id="course"
placeholder="Enter your course">
                <br><br>
```

```html
                <label for="age">Age: </label>
                <input class="box age" type="number" min="1" name="AGE" id="age"
placeholder="Enter you Age">
                <br><br>
                <label for="email">Email: </label>
                <input class="mail box"type="email" id="email" placeholder="Enter your
email" />
                <br><br>
                <label class="pass in"for="pwd">Password: </label>
                <label for="repwd">Confirm Password: </label>
                <br>
                <input class="fi in box" type="password" id="pwd" placeholder="Enter your
password" />
                <input class="fi in box" type="password" id="repwd" placeholder="Enter
your password again" />
                <br><br>
            </form>
        </div>
        <div class="footer"><div style="padding-left: 35%;"><a
href="#"><span>CREATE</span></a></div></div>
    </div>
</div>
</body>
```

Submit.html:

```html
<div class="container">
    <div class="row">
        <div class="col-md-6 mx-auto mt-5">
            <div class="payment">
                <div class="payment_header">
                    <div class="check"><i class="fa fa-check" aria-hidden="true"></i></div>
                </div>
                <div class="content">
                    <h1>Registered Successfully  !!</h1>
                    <!-- <p>Lorem ipsum, or lipsum as it is sometimes known, is dummy text
used in laying out print, graphic or web designs. </p> -->
                    <!-- <a href="#">Go to Home</a> -->
                </div>

            </div>
        </div>
    </div>
 </div>
 <link rel="stylesheet" type="text/css"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" />
<link rel="stylesheet" type="text/css" href="https://stackpath.bootstrapcdn.com/font-
awesome/4.7.0/css/font-awesome.min.css" />
<style type="text/css">

    body
    {
        background:#f2f2f2;
    }
```

```css
.payment
{
    border:1px solid #f2f2f2;
    height:280px;
    border-radius:20px;
    background:#fff;
}
.payment_header
{

    background:rgba(255,102,0,1);
    padding:20px;
    border-radius:20px 20px 0px 0px;

}

.check
{

    margin:0px auto;
    width:50px;
    height:50px;
    border-radius:100%;
    background:#fff;
    text-align:center;
}

.check i
{

    vertical-align:middle;
    line-height:50px;
    font-size:30px;
}

.content
{
    text-align:center;
}

.content  h1
{

    font-size:25px;
    padding-top:25px;
}

.content a
{

    width:200px;
    height:35px;
    color:#fff;
    border-radius:30px;
    padding:5px 10px;
    background:rgba(255,102,0,1);
    transition:all ease-in-out 0.3s;
}
```

```
    .content a:hover
    {
        text-decoration:none;
        background:#000;
    }

</style
```

CSS Files:

```
.header{
    backdrop-filter: blur(10px);
    font-size: x-large;
    /* font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif; */
    font-family: sans-serif;
    padding: 20px;
    border-top-left-radius: 10px;
    border-top-right-radius: 10px;
    text-align: center;
    color:#000B49;
}
.footer{
    backdrop-filter: blur(10px);
    padding: 15px;
    border-bottom-left-radius: 10px;
    border-bottom-right-radius: 10px;;
}
.form{
    font-family: sans-serif;
    border-left-width: 20px;
    border-top-width: 20px;
    margin-top: 0px;
    margin-left: 20px;
    margin-right: 20px;
    color: black;
}
.fullforms{
    margin-top: 20px;
    margin-bottom: 10px;
    width: 50%;
    margin-left: auto;
    margin-right: auto;
    opacity: 0.9 ;
    box-shadow: 0 0 1rem 0 rgba(0, 0, 0, .2);
    border-radius: 10px;
    background-color: rgba(255, 255, 255, .15);
    backdrop-filter: blur(2px);

}
.in{
    display: inline-block;
```

```css
}
.Fname{
    padding-right: 38%;
    padding-top: 10px;

}
.mail{
    width: 96%;
}
.fi{
    width: 48%;
}
.pass{
    padding-right: 39%;
    padding-top: 10px;
}
.F{
    padding-right: 200px;
}
.hobbies{
    padding-right: 290px;
}
.age{
    width: 125px;
}
body {
  margin:0;
}
.wrapper {
    width: 100%;
    position: fixed;
    top: 0;
    bottom: 0;
    background: linear-gradient(45deg,#F17C58, #E94584, #24AADB , #27DBB1,#FFDC18,
#FF3706);
    background-size: 600% 100%;
    animation: gradient 16s linear infinite;
    animation-direction: alternate;
    display: flex;
    justify-content: center;
    align-items: center;
}
@keyframes gradient {
    0% {background-position: 0%}
    100% {background-position: 100%}
}
.box{
    /* width: 49%; */
    height: 35px;
    box-sizing: border-box;
    border: 2px solid #ccc;
    border-radius: 4px;
    font-size: 16px;
    background-color: white;
```

```css
    background-position: 10px 10px;
    background-repeat: no-repeat;
}
a{
display: block;
width: 200px;
height: 40px;
line-height: 40px;
font-size: 18px;
font-family: sans-serif;
text-decoration: none;
color: #333;
border: 2px solid #333;
letter-spacing: 2px;
text-align: center;
position: relative;
transition: all .35s;
}
a span{
position: relative;
z-index: 3;
}
a:after{
position: absolute;
content: "";
top: 0;
left: 0;
width: 0;
height: 100%;
background: #FF5C8D;
transition: all .35s;
}
a:hover{
color: #fff;
}
a:hover:after{
width: 100%;
}
```

Package.json:

```json
{
    "dependencies": {
        "body-parser": "^1.20.0",
        "ejs": "^3.1.7",
        "mongoose": "^6.3.2",
        "nodemon": "^2.0.16"
    }
}
```

Link the html files in js file and download the different packages like body-praser, ejs, mongoose, nodemon.

Now to run the program first open command prompt and run mongod and mongo. Then open mongodb compass and click connect to connect to local server.Now run the app js file.
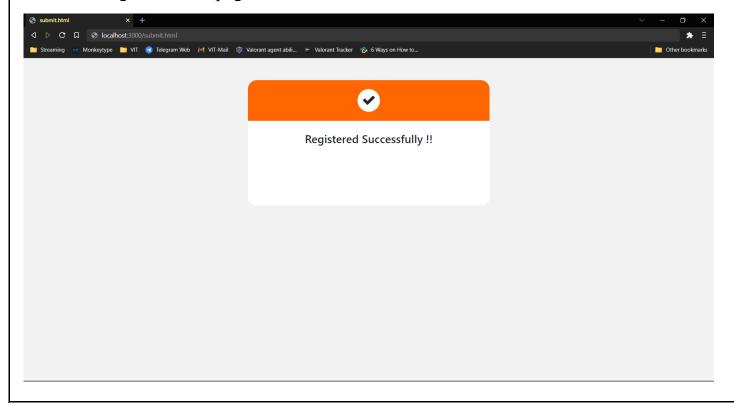
Output:

Then after successful running we can go to chrome and type localhost:3000

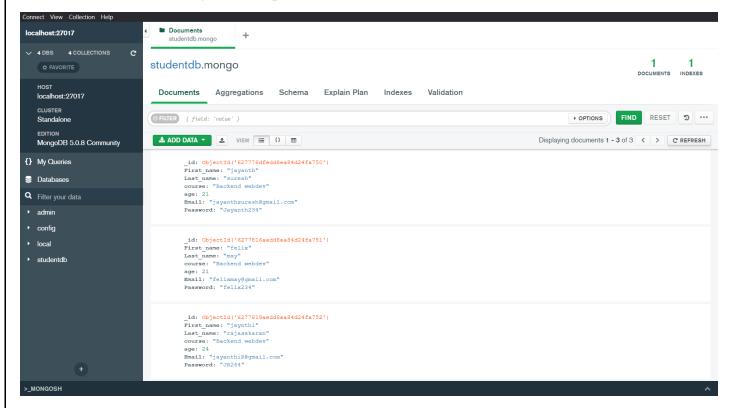After clicking submit the page is redirected to submit.html

Now let's check in mongodb compass:

That's it the project is complete successfully

Thank you

-By N. Aadityaa