

Assignment 5

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19MCMC16

NodeJs and MongoDB

Index.html

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <title>Node and MongoDB</title>
    <script src index.js></script>
  </head>
  <body>
    <h1>A simple insertion and search</h1>
    <form method="post" action="/add">
      <label><strong>Enter Your Details:</strong></label>
      <br /><br />
      <input
        type="text"
        name="firstName"
        placeholder="First Name"
        required
      /><br /><br />
      <input
        type="text"
        name="lastName"
        placeholder="Last Name"
        required
      /><br /><br />
      <input
        type="text"
        name="email"
        placeholder="Email"
        required
      /><br /><br />
      <input type="submit" value="Add Name" />
    </form>
```

```
<br />
<br />
<br />
<form method="GET" action="/find">
  <label><strong>Press Button To Show All Data</strong></label>
  <br /><br /><input type="submit" value="Find Name" />
</form>
</body>
</html>
```

Index.js

```
var express = require("express");
var app = express();
var port = 3000;
var bodyParser = require("body-parser");
app.use(bodyParser.json());
app.use(bodyParser.urlencoded({ extended: true }));
var MongoClient = require("mongodb").MongoClient;
var url = "mongodb://localhost:27017/";
var mongoose = require("mongoose");
mongoose.Promise = global.Promise;
mongoose.connect("mongodb://127.0.0.1:27017", {
  useNewUrlParser: true,
  useUnifiedTopology: true,
});
var nameSchema = new mongoose.Schema({
  Fname: String,
  Lname: String,
  Email: String,
});
var User = mongoose.model("User", nameSchema);
app.get("/", (req, res) => {
  res.sendFile(__dirname + "/index.html");
});
app.post("/add", (req, res) => {
  var myData = new User(req.body);
  myData
    .save()
    .then((item) => {
```

```

        res.send("data save successfully");
    })
    .catch((err) => {
        res.status(400).send("Unable to save to database");
    });
});
app.get("/find", (req, res) => {
    MongoClient.connect(url, { useUnifiedTopology: true }, function (err, db)
    {
        if (err) throw err;
        var dbo = db.db("node-demo");
        dbo
            .collection("users")
            .find({})
            .toArray(function (err1, result) {
                if (err1) throw err1;
                res.json(result);
                db.close();
            });
    });
});
app.listen(port, () => {
    console.log("Server listening on port " + port);
});

```

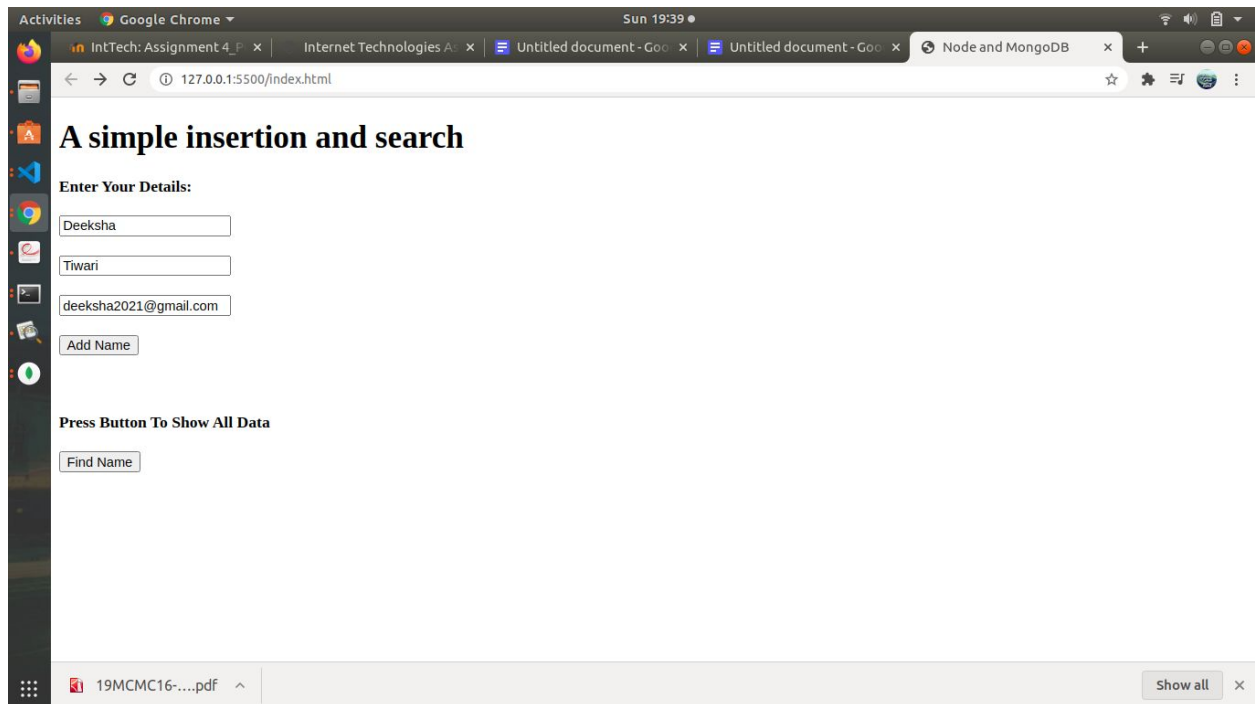
Package.json

```

{
  "name": "assignment5",
  "version": "1.0.0",
  "description": "\"Simple CRUD app with node js and mongo db\"",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1",
    "start": "node index"
  },
  "author": "\"Deeksha\"",
  "license": "ISC",
  "dependencies": {
    "body-parser": "^1.19.0",

```

```
"express": "^4.17.1",
"mongojs": "^3.1.0",
"mongoose": "^5.10.18",
"nodeman": "^1.1.2",
"nodemon": "^2.0.6"
}
}
```



Activities MongoDB Compass Sun 19:37

MongoDB Compass - 127.0.0.1:27017

Connect View Collection Help

Local

5 DBS 3 COLLECTIONS

☆ FAVORITE

HOST
127.0.0.1:27017

CLUSTER
Standalone

EDITION
MongoDB 3.6.3 Community

Filter your data

- > admin
- > config
- > local
- > mynewdatabase
- > node-demo
 - users

node-demo.users Documents

DOCUMENTS 1 TOTAL SIZE 91B AVG SIZE 91B INDEXES 1 TOTAL SIZE 16.0KB AVG SIZE 16.0KB

Documents Aggregations Schema Explain Plan Indexes Validation

FILTER OPTIONS FIND RESET

ADD DATA VIEW

Displaying documents 1 - 4 of 4 REFRESH

```
{ "_id": ObjectId("5fc3a73fe0e0fead90ee2e41"),  
  "Fname": "Deeksha",  
  "Lname": "Tiwari",  
  "Email": "deeksha2021@gmail.com" }  
  
{ "_id": ObjectId("5fc3aae7e0e0fead90ee2e42"),  
  "Fname": "Shashwat",  
  "Lname": "Tiwari",  
  "Email": "xyz224@gmail.com" }  
  
{ "_id": ObjectId("5fc3aaf0e0e0fead90ee2e43"),  
  "Fname": "Vimal",  
  "Lname": "Tiwari",  
  "Email": "xyzabc224@gmail.com" }  
  
{ "_id": ObjectId("5fc3ab0de0e0fead90ee2e44"),  
  "Fname": "Abhinav",  
  "Lname": "Tiwari",  
  "Email": "xyzabc224@gmail.com" }
```

> _MongoSH Beta