

Name: Ashish Badgujar

Roll No: T21112

Div: 1

Assignment 1(a)

Index.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>Document</title>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css" rel="stylesheet"
  integrity="sha384-1BmE4kWBq78iYhFIdvKuhfTAU6auU8tT94WrHffjDbrCEXSU1oBoqyl2QvZ6jIW3"
  crossorigin="anonymous">
  <link rel="stylesheet" href="style.css">
</head>
<body>
  <aside class="side-bar">
    <h3>SKNCOE</h3>
    <hr>
    <ul class="sidebar-list">
      <li>
        <h6>College</h6>
        <div>
          <p>Principal</p>
          <p>Vice Principal</p>
          <p>Staff</p>
        </div>
      </li>
      <li>
        <h6>Dept</h6>
        <div>
          <p>Comp</p>
          <p>IT</p>
          <p>Entc</p>
          <p>Mech</p>
        </div>
      </li>
      <li>
        <h6>Students</h6>
        <div>
          <p>FE</p>
          <p>SE</p>
          <p>TE</p>
          <p>BE</p>
        </div>
      </li>
    </ul>
  </aside>
</body>
</html>
```

```

        </li>
        <li>
            <h6>Exam</h6>
        </li>
        <li>
            <h6>Placement</h6>
        </li>
    </ul>
</aside>
<div class="right">
    <div class="row">
        <div class="col card">
            <div class="card-body text-center">
                <h5 class="card-title">College Revenue</h5>
                
            </div>
        </div>
        <div class="col card project-card">
            <div class="card-body">
                <h5 class="card-title">projects status</h5>
                <p>Project1</p>
                <div class="progress">
                    <div class="progress-bar" role="progressbar" style="width: 25%" aria-valuenow="25"
aria-valuemin="0" aria-valuemax="100"></div>
                </div>
                <p>Project2</p>
                <div class="progress">
                    <div class="progress-bar" role="progressbar" style="width: 50%" aria-valuenow="50"
aria-valuemin="0" aria-valuemax="100"></div>
                </div>
                <p>Project3</p>
                <div class="progress">
                    <div class="progress-bar" role="progressbar" style="width: 75%" aria-valuenow="75"
aria-valuemin="0" aria-valuemax="100"></div>
                </div>
            </div>
        </div>
        <div class="col card analytics-card">
            <div class="card-body text-center">
                <h5 class="card-title">College Analytics</h5>
                
            </div>
        </div>
    </div>
<div class="card">
    <table class="table">
        <thead>
            <tr>
                <th scope="col">#</th>

```

```

        <th scope="col">First</th>
        <th scope="col">Last</th>
        <th scope="col">Marks</th>
        <th scope="col">Year</th>
    </tr>
</thead>
<tbody>
    <tr>
        <th scope="row">1</th>
        <td>Mark</td>
        <td>Otto</td>
        <td>89%</td>
        <td>FE</td>
    </tr>
    <tr>
        <th scope="row">2</th>
        <td>Jacob</td>
        <td>Thornton</td>
        <td>90%</td>
        <td>SE</td>
    </tr>
    <tr>
        <th scope="row">3</th>
        <td>Larry </td>
        <td>Zuk</td>
        <td>99%</td>
        <td>TE</td>
    </tr>
    <tr>
        <th scope="row">4</th>
        <td>Ashish</td>
        <td>85%</td>
        <td>BE</td>
    </tr>
</tbody>
</table>
</div>
</div>
</body>
<!-- JavaScript Bundle with Popper -->
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js"
integrity="sha384-ka7Sk0Gln4gmtz2MlQnikT1wXgYsOg+OMhup+IIRH9sENBO0LRn5q+8nbTov4+1p"
crossorigin="anonymous"></script>
</html>

```

Style.css

```

.side-bar{
width: 25%;

```

```
/* min-height: 100vh; */
height: 100%;
float: left;
background-color: lightgray;
padding: 1.5rem;
} ul
li{
margin-
gin-
top:
0.5r
em;
} ul li div{ margin-
left: 1rem;
}
.right{ float:
right; padding:
2rem; width:
75%;
}
.card{
margin: 1rem;
}

.analytics-card{ background-
color: #e95d4c7d;
}
.progress{ margin-
bottom: 10px;
}
.project-card{ background-color:
rgb(255, 242, 219);
}
```

Output

SKNCOE

College

Principal

Vice Principal

Staff

Dept

Comp

IT

Entc

Mech

Students

FE

SE

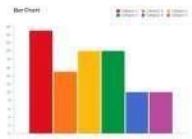
TE

BE

Exam

Placement

College Revenue




projects status

Project1

Project2

Project3

College Analytics



#	First	Last	Marks	Year
1	Mark	Otto	89%	FE
2	Jacob	Thornton	90%	SE
3	Larry	Zuk	99%	TE
4	Ashish	85%	BE	

Windows Taskbar

10:25 AM 03-04-2022

Assignment 1(b)

Index.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>Document</title>
</head>
<style>
  .container {
width: fit-content;
margin: auto;
  }
  .center {      text-
align: center;
  }  input {
padding: 5px 2px;
  }
</style>
<body>
  <div class="container">
    <div id="list">
      <div class="center">
        <h1>Registration form</h1>
      </div>
      <form action="/index.js" method="POST">
        <ul>
          <li>
            <label for="name">Username :</label>
            <input type="text" name="name" required>
          </li>
          <li>
            <label for="name">Email : </label>
            <input type="email" name="email" required>
          </li>
          <li>
            <label for="name">Contact no :</label>
            <input type="number" name="contact" required>
          </li>
          <li>
            <label for="name">Password :</label>
            <input type="password" name="password" required>
          </li>
        </ul>
        <div class="center">
```

```

        <button type="submit">submit</button>
    </div>
</form>
</div>
</div>
</body>
<script src="index.js"></script>
</html>

```

Index.js

```

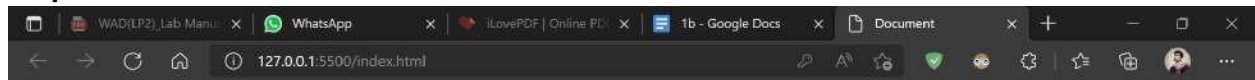
const form = document.querySelector('form')
form.addEventListener('submit', e => {
    e.preventDefault()    let name =
    form.elements['name'].value    let email =
    form.elements['email'].value    let contact =
    form.elements['contact'].value    let password =
    form.elements['password'].value    if (name.length < 4) {
    alert("Username should be more than 5 characters")
        } else if (contact.length != 10) {    alert("contact no
is invalid")    } else if (password.length < 6) {
    alert("Password should be more than 6 characters")
        } else {    load(name, email, contact,
password)
        }
    })
function load(name, email, contact, password) {    const xhr = new
XMLHttpRequest()    xhr.onreadystatechange = function () {
    console.log("your state=", xhr.readyState)    if (this.readyState == 4
&& this.status == 200) {
    document.getElementById('list').innerHTML = this.responseText
    document.getElementById('list').innerHTML += `
        <hr/>
        <p>name: ${name}</p>
        <p>email: ${email}</p>
        <p>contact: ${contact}</p>
        <p>password: ${password}</p>`
    }
    }
    xhr.open('GET', 'data.txt', true)
xhr.send() //for GET .send() is empty
}

```

Data.txt Form

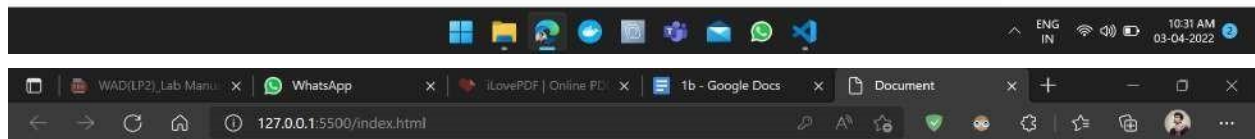
submitted !!!!

Output



Registration form

- Username :
- Email :
- Contact no :
- Password : 



Form sumitted !!!!

name: Ashish

email: ashishbadgujar124@gmail.com

contact: 9075758251

password: 1234567



Assignment 2(a)

The screenshot shows a Windows desktop with a taskbar at the bottom. The primary application is a web browser displaying the GitHub repository page for 'AshishBadgujar / WAD-assignment'. The repository is public and currently has 0 stars, 0 forks, and 1 pull request. The 'Code' tab is selected, showing a 'Quick setup' section with instructions for setting up the repository on a desktop or via command line. Below this, a terminal window is open, showing the execution of the following commands:

```
MINGW64/d/ashish/WAD/
badgu@MSI MINGW64 /d/ashish/WAD/assl/b
$ git init
Initialized empty Git repository in D:/ashish/WAD/assl/b/.git/
badgu@MSI MINGW64 /d/ashish/WAD/assl/b (master)
$ git add .
badgu@MSI MINGW64 /d/ashish/WAD/assl/b (master)
$ git commit -m "first commit"
[master (root-commit) aa59574] first commit
4 files changed, 124 insertions(+)
create mode 100644 data.txt
create mode 100644 index.html
create mode 100644 index.js
create mode 100644 temp.html
badgu@MSI MINGW64 /d/ashish/WAD/assl/b (master)
$ git remote add origin https://github.com/AshishBadgujar/WAD-assignment.git
badgu@MSI MINGW64 /d/ashish/WAD/assl/b (master)
$ git push -u origin master
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 8 threads
Compressing objects: 100% (6/6), 1.67 KiB | 570.00 KiB/s, done.
Total 6 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/AshishBadgujar/WAD-assignment.git
 * [new branch]      master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.
```

After the terminal window is closed, the browser shows the repository's first commit. The commit message is 'first commit' and it includes four files: data.txt, index.html, index.js, and temp.html. The repository page also shows the 'About' section with no description, website, or topics provided, and the 'Releases' section with no releases published.

Assignment 3(a)

Index.js

```
const express = require("express"); const app =
express(); app.use(express.static('public'));
app.get("/", (req, res) => {
res.sendFile(`${__dirname}/index.html`, (err) => {
if (err) { console.log(err);
res.end(err.message);
}
});
});
app.listen(9000, "localhost", () => {
console.log("Server is running on port 9000");
});
```

public/index.html

```
<!doctype html>
<html lang="en">
<head>
  <!-- Required meta tags -->
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <!-- Bootstrap CSS -->
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css" rel="stylesheet"
integrity="sha384-1BmE4kWBq78iYhFIdvKuhfTAU6auU8tT94WrHftjDbrCEXSU1oBoqyl2QvZ6jIW3"
crossorigin="anonymous">
  <title>Registration</title>
</head>
<style>
  .container {
    /* background-color: yellow; */
border: 2px solid yellow;
  }

  .box { background-color: rgba(255, 157,
0, 0.945); align-items: center;
  }
</style>

<body>
  <div class="container py-4">
    <div class="box text-center">
      <h3>Registration form</h3>
    </div>
    <form action="" class="mx-5">
      <div class="mb-3">
        <label class="form-label">Full Name</label>
```

```

        <input type="text" class="form-control ">
    </div>
    <div class="mb-3 row g-3">
        <div class="col-auto">
            <label class="form-label">Email address</label>
            <input type="email" class="form-control " placeholder="name@example.com">
        </div>
        <div class="col-auto">
            <label class="form-label">Mobile</label>
            <input type="number" class="form-control ">
        </div>
        <div class="col-auto">
            <label class="form-label">Gender</label>
            <div>
                <input type="radio">
                <label class="form-check-label">
                    Male
                </label>
                <input type="radio">
                <label class="form-check-label">
                    Female
                </label>
            </div>
        </div>
        <div class="col-auto">
            <label for="formFile" class="form-label">Upload photo</label>
            <input class="form-control " type="file" id="formFile">
        </div>
        <div class="col-auto">
            <label class="form-label">DOB</label>
            <input type="date" class="form-control ">
        </div>
    </div>
    <div class="row g-3">
        <div class="col-auto">
            <label class="form-label">college name</label>
            <input type="text" class="form-control ">
        </div>
        <div class="col-auto">
            <label class="form-label">Branch</label>
            <select class="form-select" aria-label="Default select example">
                <option selected></option>
                <option value="1">Comp</option>
                <option value="2">IT</option>
                <option value="3">Entc</option>
                <option value="4">Mech</option>
            </select>
        </div>
        <div class="col-auto">

```

```

        <label class="form-label">Year</label>
        <input type="number" class="form-control ">
    </div>
</div>
<div class="mb-3">
    <label class="form-label">Address</label>
    <textarea class="form-control " rows="2"></textarea>
</div>
<div class="row g-3 mb-3">
    <div class="col-auto">
        <label class="form-label">Password</label>
        <input type="password" class="form-control ">
    </div>
    <div class="col-auto">
        <label class="form-label">Confirm Password</label>
        <input type="password" class="form-control ">
    </div>
</div>
<button class="btn btn-primary" type="submit">Submit form</button>
</form>
<!-- <audio controls class="mb-3">
    <source src="iphone.mp3" type="audio/mpeg">
Your browser does not support the video tag.
</audio>
<video controls>
    <source src="sangchi.mp4" type="video/mp4">
Your browser does not support the video tag.
</video> -->
</div>
</body>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js"
integrity="sha384-ka7Sk0Gln4gmtz2MlQnikT1wXgYsOg+OMhuP+IlRH9sENBO0LRn5q+8nbTov4+1p"
crossorigin="anonymous"></script>
</html>

```

Output

The image displays the output of a web application, showing a registration form in a browser, the server running in a terminal, and the corresponding code in a code editor.

Browser Window (localhost:9000): The registration form includes fields for Full Name, Email address, Mobile, Gender (Male/Female), Upload photo (Browse...), DOB (dd/mm/yyyy), college name, and Branch.

Terminal Window (MINGW64/d/ashish/WAD/): The terminal shows the command `node index.js` being executed, and the output: `Server is running on port 9000`.

Code Editor (index.html - WAD - Visual Studio Code): The code editor shows the HTML and JavaScript code for the application.

index.html:

```
29 <div class="container py-4">
30   <div class="box text-center">
31     <h3>Registration form</h3>
32   </div>
33   <form action="" class="mx-5">
34     <div class="mb-3">
35       <label class="form-label">Full Name</label>
36       <input type="text" class="form-control ">
37     </div>
38     <div class="mb-3 row g-3">
39       <div class="col-auto">
40         <label class="form-label">Email address</label>
41         <input type="email" class="form-control ">
42       </div>
43       <div class="col-auto">
44         <label class="form-label">Mobile</label>
45         <input type="number" class="form-control ">
46       </div>
47       <div class="col-auto">
48         <label class="form-label">Gender</label>
49         <div>
50           <input type="radio">
51           <label class="form-check-label">
52             Male
53           </label>
54           <input type="radio">
55           <label class="form-check-label">
56             Female
57         </div>
58       </div>
59     </div>
60     <div class="mb-3">
61       <label class="form-label">Upload photo</label>
62       <div>
63         <button type="button" class="btn btn-light">Browse...</button>
64         <span>No file selected.</span>
65       </div>
66     </div>
67     <div class="mb-3">
68       <label class="form-label">DOB</label>
69       <input type="text" value="dd/mm/yyyy">
70     </div>
71     <div class="mb-3 row g-3">
72       <div class="col-auto">
73         <label class="form-label">college name</label>
74         <input type="text" class="form-control ">
75       </div>
76       <div class="col-auto">
77         <label class="form-label">Branch</label>
78         <select class="form-control">
79           <option></option>
80         </select>
81       </div>
82     </div>
83   </form>
84 </div>
```

index.js:

```
1 const express = require("express");
2
3 const app = express();
4
5 app.use(express.static('public'));
6
7 app.get("/", (req, res) => {
8   res.sendFile(`${__dirname}/index.html`, (err) => {
9     if (err) {
10       console.log(err);
11       res.end(err.message);
12     }
13   });
14 });
15
16 app.listen(9000, "localhost", () => {
17   console.log("Server is running on port 9000");
18 });
```

Assignment 4(a)

Index.html

```
<!DOCTYPE html>
<html>
<head>
  <!-- Include meta tag to ensure proper rendering and touch zooming -->
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <!-- Include jQuery Mobile stylesheets -->
  <link rel="stylesheet" href="http://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.css">
  <!-- Include the jQuery library -->
  <script src="http://code.jquery.com/jquery-1.11.3.min.js"></script>
  <!-- Include the jQuery Mobile library -->
  <script src="http://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.js"></script> </head>
<style>
  #footer {      position:
inherit;      width:
inherit;
      bottom: 0;
  }

  #myPanel {
      width: 40%;
  }
  .hero {      display: flex;
flex-direction: column;
align-items: center;
justifycontent: center;
/* text-align: center; */
  }
</style>
<body>
  <div data-role="page" id="page1">
    <div data-role="panel" id="myPanel" data-position="right" data-display="overlay">
      <div data-role="header" data-theme="b">
        <h1>Register</h1>
      </div>
      <form method="post" action="#pageone" data-ajax="false">
        <label for="name">Name : <span>*</span></label>
        <input type="text" name="name" id="name" placeholder="Name">
        <label for="email">Email: <span>*</span></label>
        <input type="email" id="email" name="email" placeholder="Email" />
        <fieldset data-role="controlgroup" class="ui-field-contain">
          <legend>Gender:</legend>
          <label for="male">Male</label>
          <input type="radio" name="gender" id="male" value="male">
          <label for="female">Female</label>
          <input type="radio" name="gender" id="female" value="female">
        </fieldset>
        <fieldset class="ui-field-contain">
          <label for="day">Select Day: </label>
          <select name="day" id="day">
            <option value="mon">Monday</option>
            <option value="tue">Tuesday</option>
            <option value="wed">Wednesday</option>
          </select>
        </fieldset>
        <label for="info">Message:</label>
        <textarea name="addinfo" id="info" placeholder="Message"></textarea>
      <input type="submit" data-inline="true" value="Submit" data-theme="b">    </form>
    </div>
  </div>
</body>
</html>
```

```

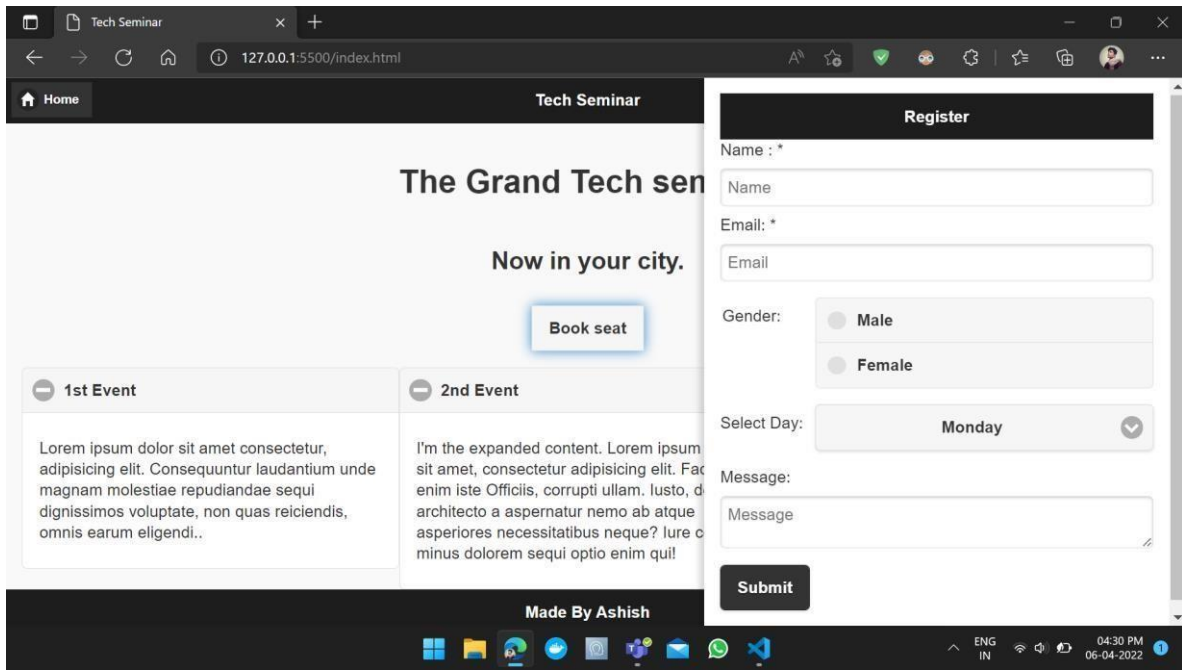
</div>
<div data-role="header" data-theme="b">
  <button class="ui-btn ui-icon-home ui-btn-icon-left">Home</button>
  <h1>Tech Seminar</h1>
</div>
<div data-role="main" class="ui-content">

  <div class="hero" data-theme="b">
    <h1>The Grand Tech seminar</h1>
    <h2>Now in your city.</h2>
    <a href="#myPanel" class="ui-btn">Book seat</a>
  </div>
  <div class="ui-grid-b ui-responsive">
    <div data-role="collapsible" class="ui-block-a">
      <h1>1st Event</h1>
      <p>Lorem ipsum dolor sit amet consectetur, adipisicing elit. Consequuntur laudantium unde
magnam molestiae repudiandae sequi dignissimos voluptate, non quas reiciendis, omnis
earum eligendi..
      </p>
    </div>
    <div data-role="collapsible" class="ui-block-b">
      <h1>2nd Event</h1>
      <p>I'm the expanded content. Lorem ipsum dolor sit amet, consectetur adipisicing elit.
Facilis enim iste
      Officiis, corrupti ullam. Iusto, debitis architecto a aspernatur nemo ab atque asperiores
necessitatibus neque? Iure corrupti minus dolorem sequi optio enim qui!</p>
    </div>
    <div data-role="collapsible" class="ui-block-c">
      <h1>3rd Event</h1>
      <p> Lorem ipsum dolor, sit amet consectetur adipisicing elit. Magni veniam
distinctio, inventore consectetur quo explicabo pariatur similique sint soluta
ratione sapiente ex odio. I'm the expanded content.</p>
    </div>
  </div>

  </div>
  <div id="footer" data-role="footer" data-theme="b">
    <h1>Made By Ashish</h1>
  </div>
</div>
</body>
</html>

```

Output



Assignment 3(b)

```
MINGW64/c/Users/badgu, x + v
badgu@MSI MINGW64 ~/Desktop
$ docker run docker/whalesay cowsay hello-sujata
Unable to find image 'docker/whalesay:latest' locally
latest: Pulling from docker/whalesay
Image docker.io/docker/whalesay:latest uses outdated schema1 manifest format. Please upgrade to a schema2 image for better future compatibility. More information at https://docs.docker.com/registry/spec/deprecated-schema-v1/
e190868d63f8: Pull complete
909cd34c6fd7: Pull complete
0b9bfabab7c1: Pull complete
a3ed95caeb02: Pull complete
00bf65475aba: Pull complete
c57b6bcc83e3: Pull complete
8978f6879e2f: Pull complete
8eed3712d2cf: Pull complete
Digest: sha256:178598e51a26abbc958b8a2e48825c90bc22e641de3d31e18aaf55f3258ba93b
Status: Downloaded newer image for docker/whalesay:latest

< hello-sujata >

What is Angular?
Angular is a typescript based free and open source web application framework developed by Google. Angular 10+ is a JavaScript framework which is used to create single page application. The Angular applications are created with the help of HTML and Typescript.
Angular CLI- command line interface tool that you use to initialize, develop and maintain angular application directly from command prompt or terminal.
Features:
High speed web application
```

```
MINGW64/c/Users/badgu, x + v
badgu@MSI MINGW64 ~/Desktop
$ docker ps -a
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS          NAMES
b26341be02eb   docker/whalesay  "cowsay hello-sujata"    29 seconds ago  Exited (0)    26 seconds ago  sad_chebyshev
ba7c9bb1ffe4    redis           "docker-entrypoint.s..." 10 days ago    Exited (0)    10 days ago     redis

badgu@MSI MINGW64 ~/Desktop
$ docker images
REPOSITORY          TAG         IMAGE ID      CREATED        SIZE
debian               buster      26a2b081e032  7 days ago    114MB
redis                latest      bba24acba395  4 weeks ago   113MB
dkrashi/flask-docker 1.0         83b797f6906a  4 weeks ago   66.6MB
mongo-express-nana_my-app latest      a2c23f28a0b6  8 weeks ago   129MB
go-todo              latest      fb147b08b3b0  8 weeks ago   20.3MB
dkrashi/express-app  7.0         fe0d14aee688  2 months ago  125MB
mongo                latest      5285cb69ea55  2 months ago  698MB
k8s.gcr.io/ingress-nginx/controller <none>      2461b2698dcd  3 months ago  285MB
mongo-express        latest      2d2fb2cabc8f  6 months ago  136MB
k8s.gcr.io/ingress-nginx/kube-webhook-certgen <none>      c41e9fcadf5a  6 months ago  47.7MB
k8s.gcr.io/kube-apiserver v1.21.5    7b2ac941d4c3  7 months ago  126MB
k8s.gcr.io/kube-controller-manager v1.21.5    184ef4d127b4  7 months ago  120MB
k8s.gcr.io/kube-proxy v1.21.5    e08abd2be730  7 months ago  104MB
k8s.gcr.io/kube-scheduler v1.21.5    8e60ea3644d6  7 months ago  50.8MB
docker/desktop-vpnkit-controller v2.0       8c2c38aa676e  11 months ago  21MB
docker/desktop-storage-provisioner v2.0       99f89471f470  12 months ago  41.9MB
k8s.gcr.io/pause 3.4.1      0f8457a4c2ec  15 months ago  683kB
k8s.gcr.io/coredns/coredns v1.8.0     296a6d5035e2  18 months ago  42.5MB
k8s.gcr.io/etcd 3.4.13-0  0369cf4303ff  20 months ago  253MB
docker/whalesay      latest     6b362a9f73eb  6 years ago    247MB
```

```
MINGW64/c/Users/badgu, x + v
D:/ashish/WAD/WAD_LP2_Lab_Manual_Part2.pdf
badgu@MSI MINGW64 ~/Desktop
$ docker pull httpd
Using default tag: latest
latest: Pulling from library/httpd
1fe172e4850f: Pull complete
e2fa1fe9b1ec: Pull complete
60dd7398e74e: Pull complete
ea2ca81c6d4c: Pull complete
f646c69a26ec: Pull complete
Digest: sha256:e02a2ef36151905c790efb0a8472f690010150f062639bd8c0760e7b1e884c07
Status: Downloaded newer image for httpd:latest
docker.io/library/httpd:latest

badgu@MSI MINGW64 ~/Desktop
$ docker images
REPOSITORY          TAG          IMAGE ID          CREATED          SIZE
httpd                latest       c30a46771695     7 days ago      144MB
debian               buster      26a2b081e032     7 days ago      114MB
redis                latest       bba24acba395     4 weeks ago     113MB
dkrashi/flask-docker 1.0         83b797f6906a     4 weeks ago     66.6MB
mongo-express-nana_my-app latest       a2c23f28a0b6     8 weeks ago     129MB
go-todo              latest       fb147b08b3b0     8 weeks ago     20.3MB
dkrashi/express-app  7.0         fe0d14aee688     2 months ago    125MB
mongo                latest       5285cb69ea55     2 months ago    698MB
k8s.gcr.io/ingress-nginx/controller <none>      2461b2698dcd     3 months ago    285MB
mongo-express        latest       2d2fb2cabc8f     6 months ago    136MB
k8s.gcr.io/ingress-nginx/kube-webhook-certgen <none>      c41e9fcadf5a     6 months ago    47.7MB
k8s.gcr.io/kube-apiserver v1.21.5     7b2ac941d4c3     7 months ago    126MB
k8s.gcr.io/kube-scheduler v1.21.5     8e60ea3644d6     7 months ago    50.8MB
k8s.gcr.io/kube-controller-manager v1.21.5     184ef4d127b4     7 months ago    120MB
k8s.gcr.io/kube-proxy v1.21.5     e08abd2be730     7 months ago    104MB
```

Assignment 2(c)

Login.component.ts

```
import { Component, OnInit, Input, Output, EventEmitter } from '@angular/core';
import { Profile } from 'src/app/models/Profile';
@Component({
  selector: 'app-login',
  templateUrl: './login.component.html',
  styleUrls: ['./login.component.css']
})
export class LoginComponent implements OnInit {
  inputEmail: string = "";
  inputPassword: string = "";
  @Input() profile!: Profile;
  @Output() cardEvent = new EventEmitter<number>();
  constructor() {}
  ngOnInit(): void {
  }
  login() {
    if (this.inputEmail == this.profile.email && this.inputPassword == this.profile.password) {
      this.cardEvent.emit(2)
    }
  }
}
```

Register.component.ts

```
import { Component, OnInit, Input, Output, EventEmitter } from '@angular/core';
import { Profile } from 'src/app/models/Profile';
@Component({
  selector: 'app-register',
  templateUrl: './register.component.html',
  styleUrls: ['./register.component.css']
})
export class RegisterComponent implements OnInit {

  inputName: string = "";
  inputEmail: string = "";
  inputPassword: string = "";

  @Output() cardEvent = new EventEmitter<number>();
  @Output() profileEvent = new EventEmitter<Profile>();

  constructor() {}
  ngOnInit(): void {
  }
}
```

```

register() {
  this.profileEvent.emit({
    name: this.inputName,
    email: this.inputEmail,
    password: this.inputPassword
  })
  this.cardEvent.emit(1)
}
}

```

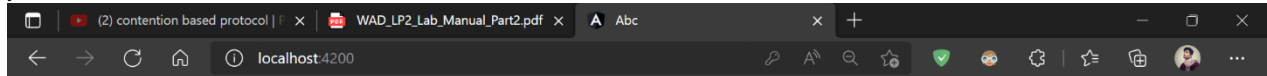
Profile.component.ts

```

import { Component, OnInit, Input } from '@angular/core';
import { Profile } from 'src/app/models/Profile';
@Component({
  selector: 'app-profile',
  templateUrl: './profile.component.html',
  styleUrls: ['./profile.component.css']
})
export class ProfileComponent implements OnInit {
  @Input() profile!: Profile;
  constructor() {}

  ngOnInit(): void {
  }
}

```



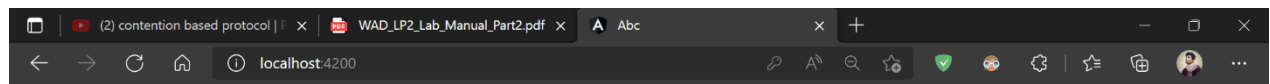
REGISTER

Your Name

Your Email

Password



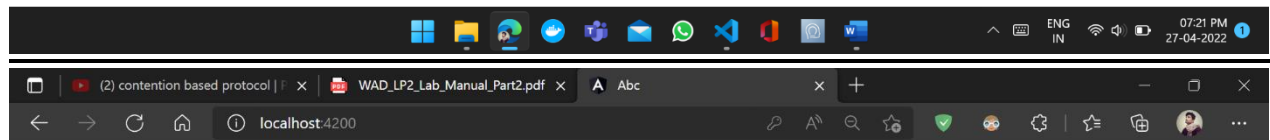


LOGIN

Your Email

Password

Login

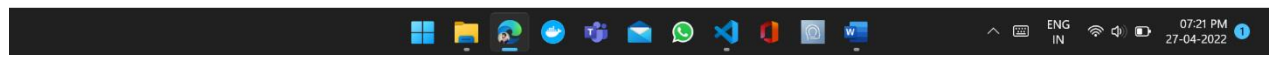


PROFILE

Name: Ashish

Email: ashishbadgujar124@gmail.com

Password: 1234567890



Assignment 3(b)

Index.js

```
let express = require('express');
let MongoClient = require('mongodb').MongoClient;
let bodyParser = require('body-parser');
let app = express();

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

let mongoUrlLocal = "mongodb://localhost:27017";

let mongoClientOptions = { useNewUrlParser: true, useUnifiedTopology: true };

let databaseName = "wad-db";

app.post('/register', function (req, res) {
  let userObj = req.body;
  MongoClient.connect(mongoUrlLocal, mongoClientOptions, function (err, client) {
    if (err) throw err;
    let db = client.db(databaseName);

    let myquery = { email: userObj.email };

    db.collection("users").findOne(myquery, function (err, result) {
      if (err) throw err;
      if (result) {
        res.send({ err: "user exist" })
      } else {
        db.collection("users").insertOne(userObj, function (err, result) {
          if (err) throw err
          client.close();
          res.send(result ? result : {});
        });
      }
    });
  });
});

app.post('/update', function (req, res) {
  let userObj = req.body;
```

```

MongoClient.connect(mongoUrlLocal, mongoClientOptions, function (err, client) {
  if (err) throw err;

  let db = client.db(databaseName);
  let myquery = { email: userObj.email };
  let newvalues = { $set: userObj };
  db.collection("users").updateOne(myquery, newvalues, { upsert: true }, function (err, res) {
    if (err) throw err;
    client.close();
  });

});
res.send(userObj);
});

```

```

app.delete('/:id', function (req, res) {
  let id = req.params.id;
  MongoClient.connect(mongoUrlLocal, mongoClientOptions, function (err, client) {
    if (err) throw err;

    let db = client.db(databaseName);
    let myquery = { email: id };

    db.collection("users").findOneAndDelete(myquery, function (err, result) {
      if (err) throw err;
      response = result;
      client.close();

      res.send(response ? response : {});
    });
  });
});
})

```

```

app.get('/:id', function (req, res) {
  let response = {};
  let id = req.params.id;
  MongoClient.connect(mongoUrlLocal, mongoClientOptions, function (err, client) {
    if (err) throw err;

    let db = client.db(databaseName);
    let myquery = { email: id };

    db.collection("users").findOne(myquery, function (err, result) {
      if (err) throw err;
      response = result;
    });
  });
});

```

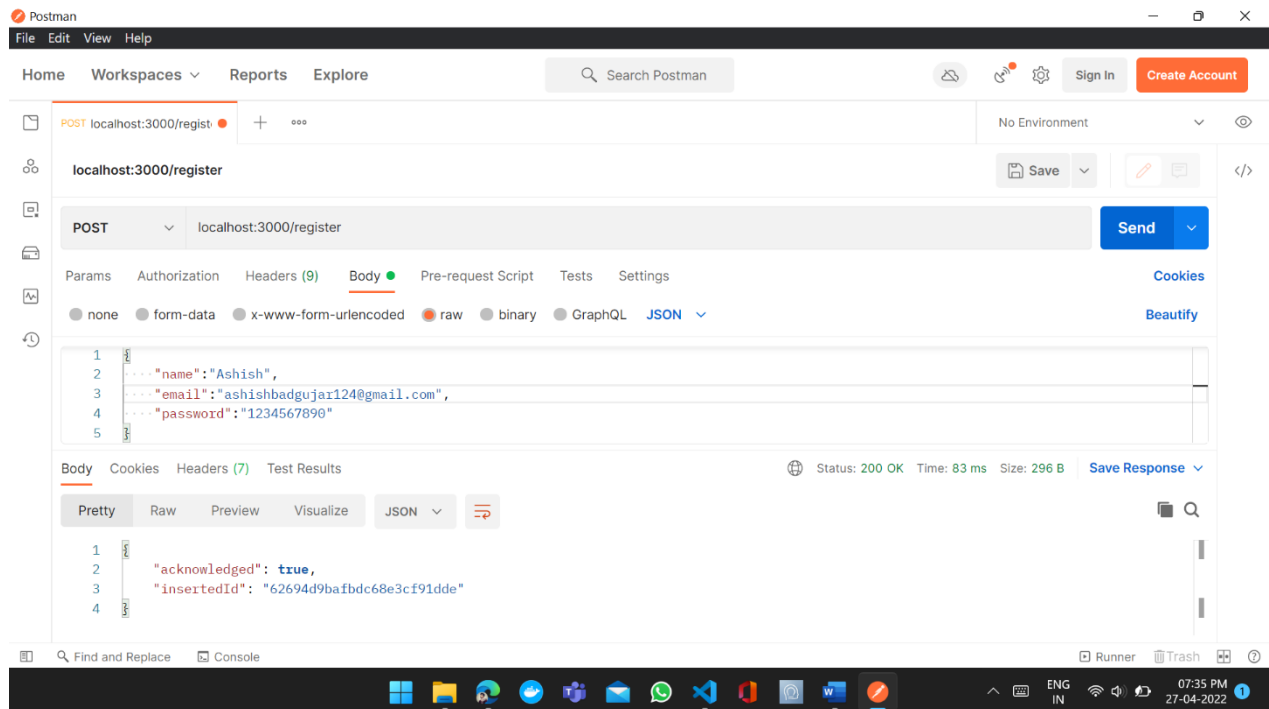
```

    client.close();

    res.send(response ? response : {});
  });
});

app.listen(3000, function () {
  console.log("app listening on port 3000!");
});

```



Postman

File Edit View Help

Home Workspaces Reports Explore Search Postman Sign In Create Account

POST localhost:3000/update

No Environment

Save

POST localhost:3000/update Send

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies Beautify

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 {
2   "name": "Ashish badgujar",
3   "email": "ashishbadgujar124@gmail.com",
4   "password": "1234567890"
5 }
```

Body Cookies Headers (7) Test Results Status: 200 OK Time: 13 ms Size: 323 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "name": "Ashish badgujar",
3   "email": "ashishbadgujar124@gmail.com",
4   "password": "1234567890"
5 }
```

Find and Replace Console Runner Trash 07:36 PM 27-04-2022

Postman

File Edit View Help

Home Workspaces Reports Explore Search Postman Sign In Create Account

GET localhost:3000/ashish

No Environment

Save

GET localhost:3000/ashish@ashish.com Send

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies

Body Cookies Headers (7) Test Results Status: 200 OK Time: 28 ms Size: 332 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "_id": "625eaea9909aefaca5d1b4b6",
3   "name": "ashish",
4   "email": "ashish@ashish.com",
5   "password": "12345"
6 }
```

Find and Replace Console Runner Trash 07:37 PM 27-04-2022

MongoDB Compass - localhost:27017/wad-db.users

Connect View Collection Help

localhost:27017

7 DBS 11 COLLECTIONS

☆ FAVORITE

HOST
localhost:27017

CLUSTER
Standalone

EDITION
MongoDB 4.4.2 Community

My Queries

Databases

Filter your data

logvisitordb

my-db

wad-db

users

+>_MONGOSH

Documents
wad-db.users

wad-db.users

2 DOCUMENTS 1 INDEXES

Documents Aggregations Schema Explain Plan Indexes Validation

FILTER { field: 'value' } OPTIONS FIND RESET ...

ADD DATA VIEW

Displaying documents 1 - 2 of 2 REFRESH

```
{ "_id": ObjectId('625eaea9909aefaca5d1b4b6'),  
  "name": "ashish",  
  "email": "ashish@ashish.com",  
  "password": "12345"  
}
```

```
{ "_id": ObjectId('62694d9ba5fbc60e3cf91dde'),  
  "name": "Ashish badgujar",  
  "email": "ashishbadgujar124@gmail.com",  
  "password": "1234567890"  
}
```

Postman

File Edit View Help

Home Workspaces Reports Explore

Search Postman

Sign In Create Account

DEL localhost:3000/ashish@

No Environment

localhost:3000/ashish@ashish.com

Save

DELETE localhost:3000/ashish@ashish.com Send

Params Authorization Headers (9) Body Pre-request Script Tests Settings

Cookies

Body Cookies Headers (7) Test Results

Status: 200 OK Time: 48 ms Size: 376 B Save Response

Pretty Raw Preview Visualize JSON

```
1  
2 "lastErrorObject": {  
3   "n": 1  
4 },  
5 "value": {  
6   "_id": "625eaea9909aefaca5d1b4b6",  
7   "name": "ashish",  
8   "email": "ashish@ashish.com",  
9   "password": "12345"  
10 },  
11 "ok": 1  
12
```

Assignment 4(b)

The image shows a screenshot of a web browser displaying the AWS Elastic Beanstalk console. The browser's address bar shows the URL `myapp-env.eba-4dk5zsa9.ap-south-1.elasticbeanstalk.com`. The page has a green header with the word "Congratulations" in large white text. Below it, a message states: "Your first AWS Elastic Beanstalk Node.js application is now running on your own dedicated environment in the AWS Cloud. This environment is launched with Elastic Beanstalk Node.js Platform". To the right, under the heading "What's Next?", there is a list of links: "AWS Elastic Beanstalk overview", "AWS Elastic Beanstalk concepts", "Deploy an Express Application to AWS Elastic Beanstalk", "Deploy an Express Application with Amazon ElastiCache to AWS Elastic Beanstalk", "Deploy a Geddy Application with Amazon ElastiCache to AWS Elastic Beanstalk", "Customizing and Configuring a Node.js Container", and "Working with Logs".

Below the browser window, the AWS Elastic Beanstalk console is visible. The left sidebar shows the "Elastic Beanstalk" menu with options like "Environments", "Applications", and "Change history". The main content area shows the details for the environment "Myapp-env". It includes a "Health" section with a green checkmark and the status "Ok", a "Running version" section with a "Sample Application" and an "Upload and deploy" button, and a "Platform" section showing "Node.js 16 running on 64bit Amazon Linux 2/5.5.1" with a "Change" button. At the bottom, there is a "Recent events" section with a "Show all" button and a table with columns "Time", "Type", and "Details".