

## Assignment 1:

### 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" />
    <link rel="stylesheet" href="css/bootstrap.min.css" />
    <link
        rel="stylesheet"
        href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.7.2/font/bootstrap-icons.css"
    />
    <link rel="stylesheet" href="css/style.css" />
    <title>Student Registration Form</title>
</head>

<body>
    <main class="mt-5 pt-3">
        <div class="container">
            <div class="container-fluid px-4">
                <div class="row g-3 my-2">
                    <div class="rounded">
                        <div class="h1 my-4 text-center border">Add Student Form</div>
                        <form id="studentForm">
                            <div class="border p-3">
                                <div class="row">
                                    <div class="col-md-6 mt-md-3 mt-3">
                                        <label>First Name</label>
                                        <input
                                            type="text"
                                            id="firstName"
                                            class="form-control"
                                            required
                                        />
                                    </div>
                                    <div class="col-md-6 mt-md-3 mt-3">
                                        <label>Last Name</label>
                                        <input
                                            type="text"
                                            id="lastName"
                                            class="form-control"
                                            required
                                        />
                                    </div>
                                </div>
                            </div>
                        </form>
                    </div>
                </div>
            </div>
        </main>
    </body>
```

```
</div>
<div class="row">
  <div class="col-md-6 mt-md-3 mt-3">
    <label>Birthday</label>
    <input
      type="date"
      id="dob"
      class="form-control"
      required
    />
  </div>
  <div class="col-md-6 mt-md-3 mt-3">
    <label>Gender</label>
    <div class="d-flex align-items-center mt-2">
      <label class="option">
        <input type="radio" name="gender" value="male" />
        Male <span class="checkmark"></span>
      </label>
      <label class="option ms-4">
        <input type="radio" name="gender" value="female" />
        Female <span class="checkmark"></span>
      </label>
    </div>
  </div>
</div>
<div class="row">
  <div class="col-md-6 mt-md-3 mt-3">
    <label>Email</label>
    <input
      type="email"
      id="email"
      class="form-control"
      required
    />
  </div>
  <div class="col-md-6 mt-md-3 mt-3">
    <label>Phone Number</label>
    <input
      type="tel"
      id="contactNo"
      class="form-control"
      required
    />
  </div>
</div>
<div class="my-md-3 my-3">
```

```
<label>Branch</label>
<select id="sub" required>
    <option value="" selected hidden>Choose Option</option>
    <option value="Maths">IT</option>
    <option value="Science">CSE</option>
    <option value="Social">Mechanical</option>
    <option value="Hindi">Civil</option>
</select>
</div>
<div class="row">
    <div class="col-md-6 mt-md-3 mt-3">
        <label>Roll No</label>
        <input
            type="text"
            id="rollno"
            class="form-control"
            required
        />
    </div>
    <div class="col-md-6 mt-md-3 mt-3">
        <label>Registration Date</label>
        <input
            type="date"
            id="registrationDate"
            class="form-control"
            required
        />
    </div>
</div>
<div class="row">
    <div class="col-md-6 mt-md-3 mt-3">
        <label>Parent Name</label>
        <input
            type="text"
            id="parentName"
            class="form-control"
            required
        />
    </div>
    <div class="col-md-6 mt-md-3 mt-3">
        <label>Parent Mobile No</label>
        <input
            type="tel"
            id="parentMobileNo"
            class="form-control"
            required
        />
    </div>

```

```

        />
    </div>
</div>
<div class="d-grid mt-4">
    <button
        class="btn btn-primary btn-lg"
        id="btnAddStudent"
        type="button"
    >
        Add Student
    </button>
</div>
</div>
</form>
</div>
</div>
</div>
</div>
</main>
<script src=".js/bootstrap.bundle.min.js"></script>
<script src=".js/jquery-3.5.1.js"></script>
<script src=".js/myscript.js"></script>
</body>
</html>

```

## Display.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" />
        <link rel="stylesheet" href="css/bootstrap.min.css" />
        <link
            rel="stylesheet"
            href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.4.1/font/bootstrap-icons.css"
        />
        <link rel="stylesheet" href="css/style.css" />
        <title>Student Registration Form</title>
    </head>

    <body>
        <main class="mt-5 pt-3">
            <div class="text-center">

```

```
<i class="bi bi-emoji-smile fs-1 text-primary"></i>
</div>
<div class="container">
  <div class="h1 my-4 text-center border">Student Data</div>
  <div class="row my-5">
    <div class="card">
      <div class="card-header fw-bolder h5 text-uppercase">
        #Roll No - <span id="rollno">123</span>
      </div>
      <div class="card-body">
        <h5 class="card-title fw-bold text-uppercase">
          <span id="firstName">Maheh</span>
          <span id="lastName">Bodhgire</span>
        </h5>
        <small class="text-uppercase fw-bold text-muted">
          Personal Information
        </small>
        <hr />
        <p class="card-text fs-6 fw-bold">
          <i class="bi bi-calendar-date me-2"></i>
          Date of Birth -<span id="dob">12/22/3333</span>
        </p>
        <p class="card-text fs-6 fw-bold">
          <i class="bi bi-gender-ambiguous me-2"></i>
          Gender -<span id="gender" class="text-uppercase">Male</span>
        </p>
        <small class="text-uppercase fw-bold text-muted">
          Contact Information
        </small>
        <hr />
        <p class="card-text fs-6 fw-bold">
          <i class="bi bi-envelope me-2"></i>
          Email -<span id="email">Email@gmail.com</span>
        </p>
        <p class="card-text fs-6 fw-bold">
          <i class="bi bi-telephone me-2"></i>
          Mobile No -<span id="contactNo">9878743434</span>
        </p>
        <small class="text-uppercase fw-bold text-muted">
          College Information
        </small>
        <hr />
        <p class="card-text fs-6 fw-bold">
          <i class="bi bi-book me-2"></i>
          Branch -<span id="branch">IT</span>
        </p>
      </div>
    </div>
  </div>
</div>
```

```

</p>
<p class="card-text fs-6 fw-bold">
    <i class="bi bi-calendar-date me-2"></i>
    Registration Date -<span id="registrationDate">Male</span>
</p>
<small class="text-uppercase fw-bold text-muted">
    Parent Information
</small>
<hr />
<p class="card-text fs-6 fw-bold">
    <i class="bi bi-people me-2"></i>
    Parent Name -<span id="parentName">ABC</span>
</p>
<p class="card-text fs-6 fw-bold">
    <i class="bi bi-telephone me-2"></i>
    Parent Contact No -<span id="parentContactNo">Male</span>
</p>
</div>
</div>
</div>
</div>
</main>
<script src="./js/bootstrap.bundle.min.js"></script>
<script src="./js/jquery-3.5.1.js"></script>
<script src="./js/display-data.js"></script>
</body>
</html>

```

## Style.css

```

@import url("https://cdn.jsdelivr.net/npm/bootstrap-icons@1.7.2/font/bootstrap-icons.css");
#sub {
    display: block;
    width: 100%;
    border: 1px solid #ddd;
    padding: 10px;
    border-radius: 5px;
    color: #333
}

#sub:focus {
    outline: none
}

```

## OUTPUT:-

file:///C:/Users/Downloads/assignment-1A/index.html

### Add Student Form

First Name	Last Name
<input type="text"/>	<input type="text"/>
Birthday	Gender
<input type="text"/> dd----yyyy	<input type="radio"/> Male <input type="radio"/> Female
Email	Phone Number
<input type="text"/>	<input type="text"/>
Branch	
<input type="text"/> Choose Option	<input type="button" value="▼"/>
Roll No	Registration Date
<input type="text"/>	<input type="text"/> dd----yyyy
Parent Name	Parent Mobile No
<input type="text"/>	<input type="text"/>
<input type="button" value="Add Student"/>	



### Student Data

#ROLL NO - 123
<b>MAHEH BODHGIRE</b>
PERSONAL INFORMATION
Date of Birth - 12/22/3333
Gender - MALE
CONTACT INFORMATION
Email - Email@gmail.com
Mobile No - 9878743434
COLLEGE INFORMATION
Branch - IT
Registration Date - Male
PARENT INFORMATION

## Assignment 1B:-

### Index.html

```
<title>AJAX Forms - Web - dcode</title>
<link rel="stylesheet" href="style.css">

<style>
  #form-messages {
    background-color: rgb(255, 232, 232);
    border: 1px solid red;
    color: red;
    display: none;
    font-size: 12px;
    font-weight: bold;
    margin-bottom: 10px;
    padding: 10px 25px;
    max-width: 250px;
  }
</style>

<body>
  <h1 style="text-align:center" >AJAX Forms - Web </h1><br><br><br><br><br><br>
  <div class="form">
    <ul id="form-messages"></ul>

    <label for="username">Username</label>
    <input type="text" id="username" spellcheck="false">

    <label for="password">Password</label>
    <input type="password" id="password">

    <button type="submit" id="btn-submit">Login</button>
  </div>
  <script>
    const form = {
      username: document.getElementById('username'),
      password: document.getElementById('password'),
      submit: document.getElementById('btn-submit'),
      messages: document.getElementById('form-messages')
    };

    form.submit.addEventListener('click', () => {
      const request = new XMLHttpRequest();
```

```

request.onload = () => {
    let responseObject = null;

    try {
        responseObject = JSON.parse(request.responseText);
    } catch (e) {
        console.error('Could not parse JSON!');
    }

    if (responseObject) {
        handleResponse(responseObject);
    }
};

const requestData =
`username=${form.username.value}&password=${form.password.value}`;

request.open('post', 'check-login.php');
request.setRequestHeader('Content-type', 'application/x-www-form-urlencoded');
request.send(requestData);
});

function handleResponse (responseObject) {
    if (responseObject.ok) {
        location.href = alert("Login Successfull");
    } else {
        while (form.messages.firstChild) {
            form.messages.removeChild(form.messages.firstChild);
        }

        responseObject.messages.forEach((message) => {
            const li = document.createElement('li');
            li.textContent = message;
            form.messages.appendChild(li);
        });
    }

    form.messages.style.display = "block";
}
}
</script>
</body>

```

## Check\_login.php

```
<?php

$username = isset($_POST['username']) ? $_POST['username'] : "";
$password = isset($_POST['password']) ? $_POST['password'] : "";

$ok = true;
$messages = array();

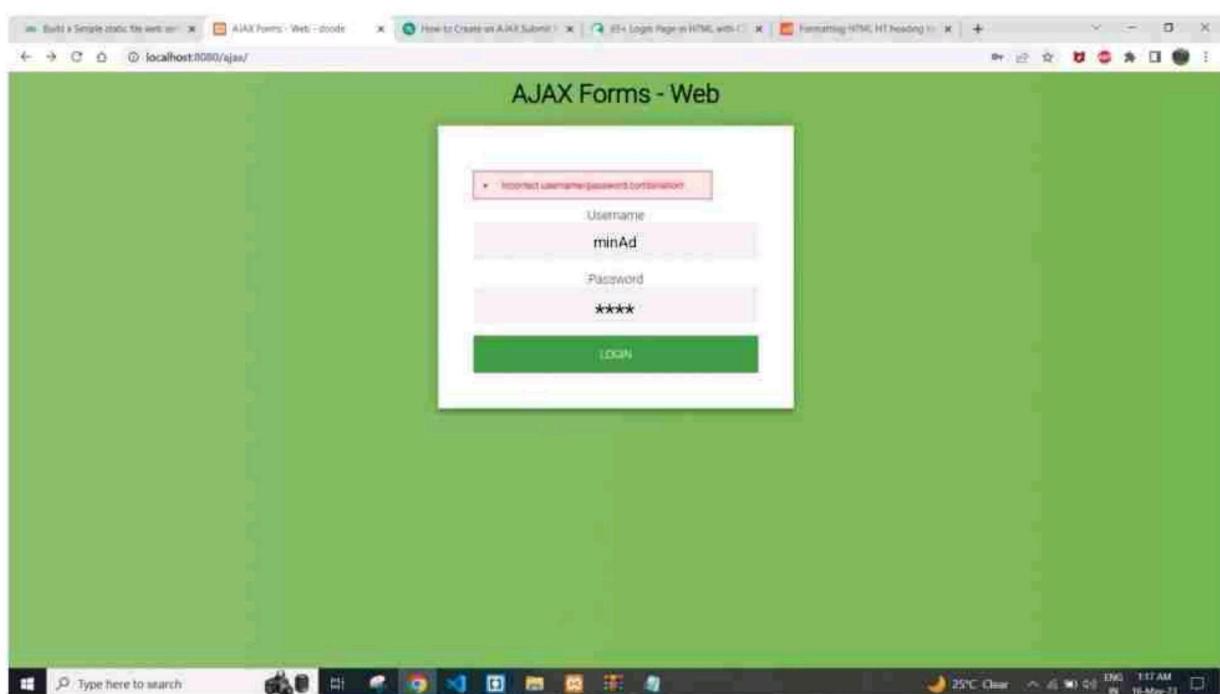
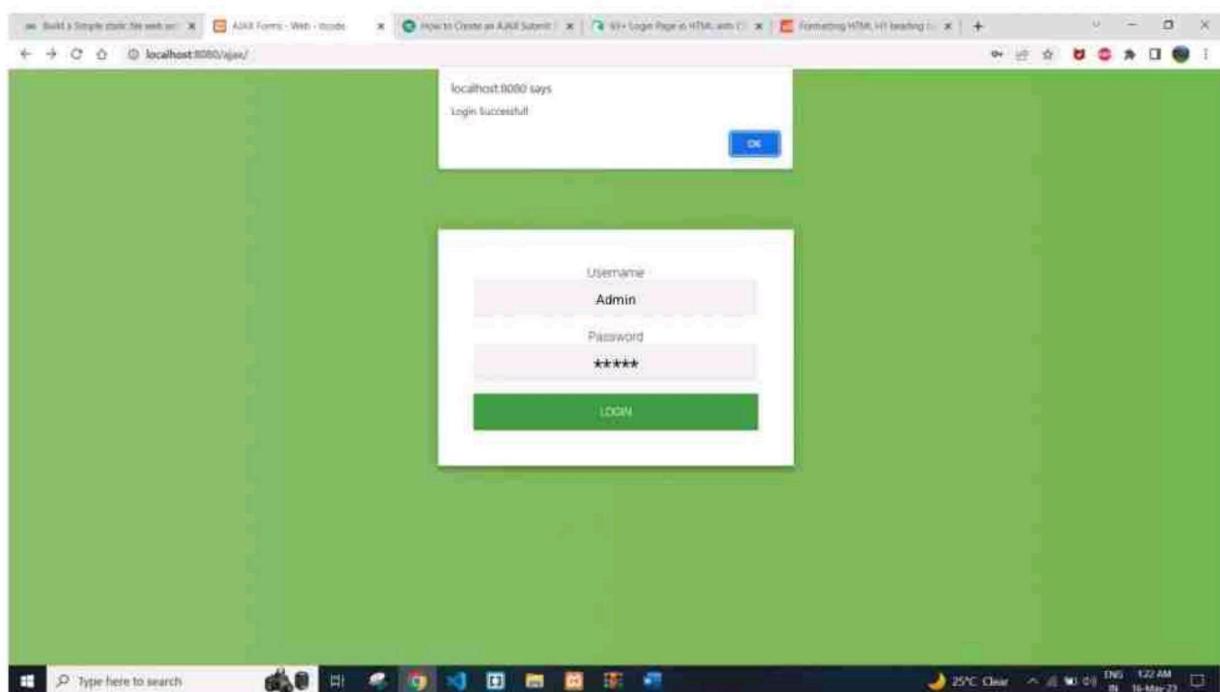
if ( !isset($username) || empty($username) ) {
    $ok = false;
    $messages[] = 'Username cannot be empty!';
}

if ( !isset($password) || empty($password) ) {
    $ok = false;
    $messages[] = 'Password cannot be empty!';
}

if ($ok) {
    if ($username === "xyz" && $password === "xyz@123") {
        $ok = true;
        $messages[] = 'Successful login!';
    } else {
        $ok = false;
        $messages[] = 'Incorrect username/password combination!';
    }
}

echo json_encode(
    array(
        'ok' => $ok,
        'messages' => $messages
    )
);

?>
```



## Assignment 2A:-

The screenshot shows a GitHub user profile for 'IT DIT'. The profile picture is a circular logo with a red and white geometric pattern. The user has 1 follower and 1 following. They are located in Pune, Maharashtra. The repositories listed are:

- College-Website** (Public) - HTML, Updated 3 weeks ago
- Todo-React-App** (Public) - Todo App in React, JavaScript, Updated on Mar 6
- OIBGRIP** (Public) - Forked from Aniket-222000/OIBGRIP, Oasis Infobase Web Development and Designing Task Submission, HTML, Updated on Feb 26
- Railway-Reservation-System-in-C** (Public) - C, Updated on Feb 22

The screenshot shows the GitHub Actions interface for a build job. The job is labeled 'pages build and deployment #8'. It was triggered via dynamic 3 weeks ago by 'githubDIT' (commit 24cceaa3). The status is Success, total duration is 1m 3s, and there is 1 artifact.

**Summary**

- Jobs:
  - build
  - report-build-status
  - deploy

**Run details**

Usage

**pages-build-deployment**  
on: dynamic

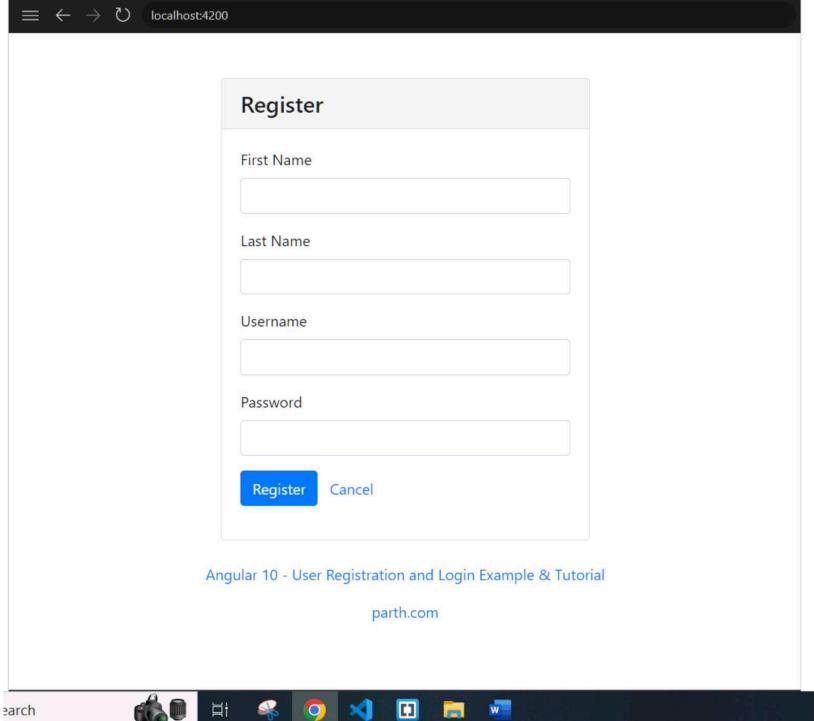
```
graph TD; build[build] -- "30s" --> report[report-build-status]; build -- "30s" --> deploy[deploy]; report -- "2s" --> deploy
```

**Artifacts**  
Produced during runtime

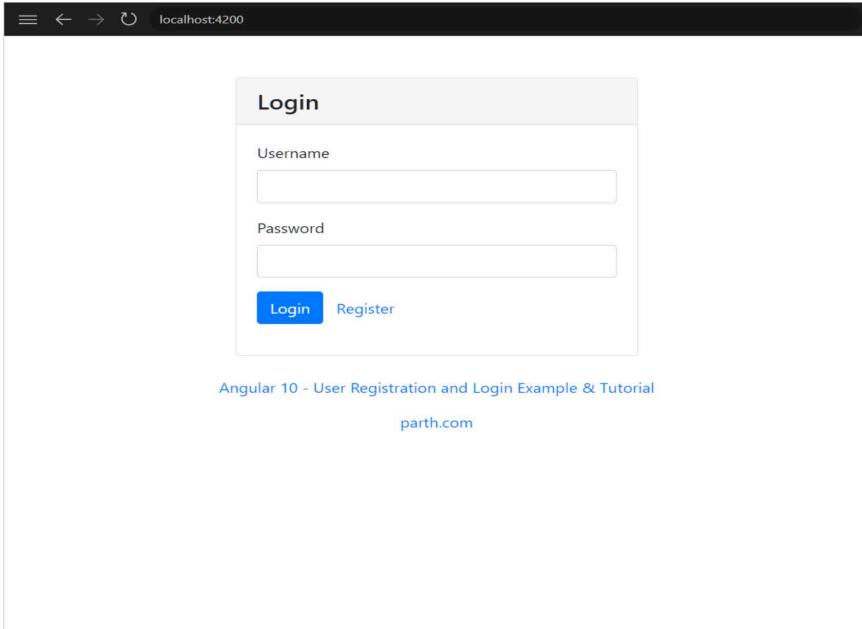
Name	Size
------	------

## Assignment :- 2-C

### Angular form:



A screenshot of a web browser displaying an Angular registration form. The title bar shows the URL `localhost:4200`. The main content is a "Register" form with fields for First Name, Last Name, Username, and Password, each with an associated input field. Below the inputs are two buttons: "Register" (highlighted in blue) and "Cancel". At the bottom of the page, there is footer text: "Angular 10 - User Registration and Login Example & Tutorial" and a link "parth.com".



A screenshot of a web browser displaying an Angular login form. The title bar shows the URL `localhost:4200`. The main content is a "Login" form with fields for Username and Password, each with an associated input field. Below the inputs are two buttons: "Login" (highlighted in blue) and "Register". At the bottom of the page, there is footer text: "Angular 10 - User Registration and Login Example & Tutorial" and a link "parth.com".

## Assignment:3A

```
//Create a server that can send back static files
const http = require("http");
const url = require("url");
const fs = require("fs");

//npm i mime-types
const lookup = require("mime-types").lookup;

const server = http.createServer((req, res) => {
  //handle the request and send back a static file
  //from a folder called `public`
  let parsedURL = url.parse(req.url, true);
  //remove the leading and trailing slashes
  let path = parsedURL.path.replace(/^\//g, "");
  /**
   * /
   * /index.html
   *
   * /main.css
   * /main.js
   */
  if (path === "") {
    path = "index.html";
  }
  console.log(`Requested path ${path}`);

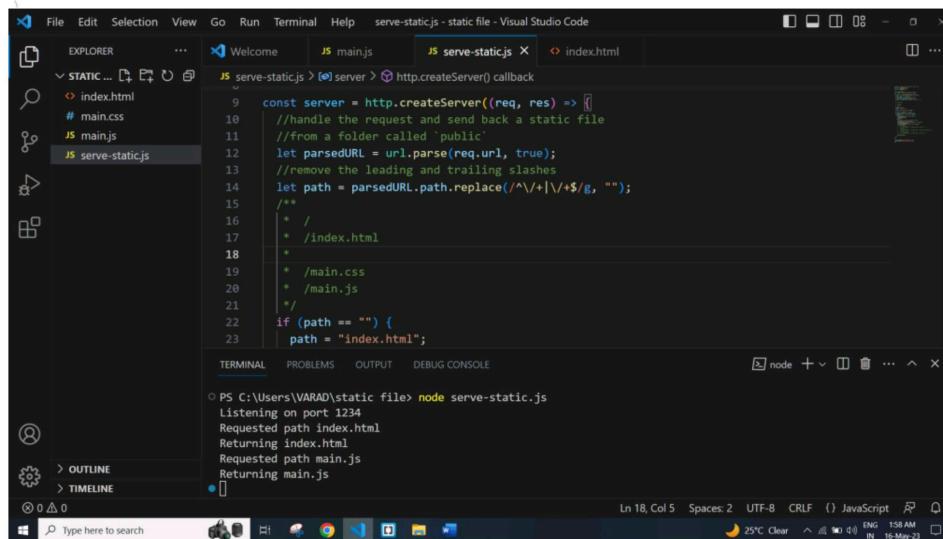
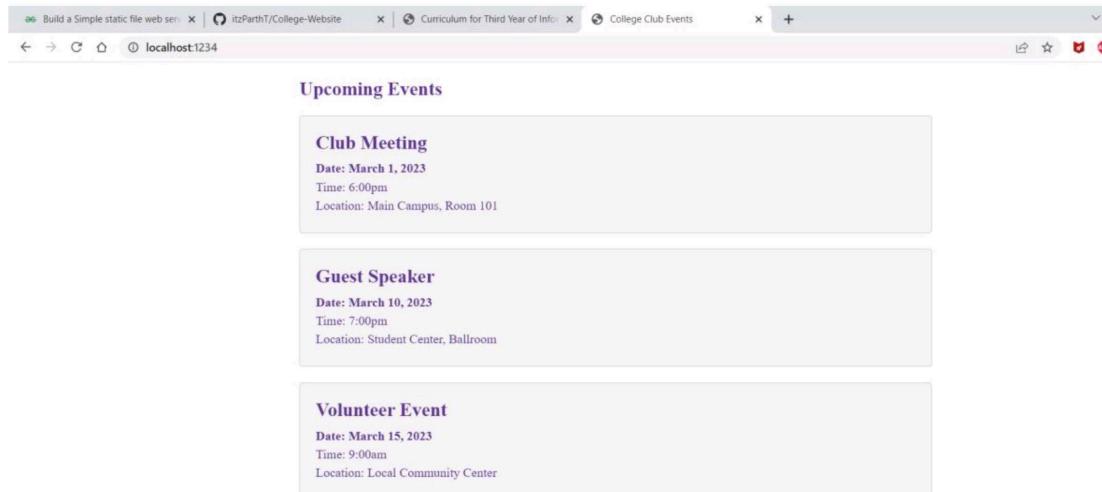
  let file = __dirname + "/" + path;
  //async read file function uses callback
  fs.readFile(file, function(err, content) {
    if (err) {
      console.log(`File Not Found ${file}`);
      res.writeHead(404);
      res.end();
    } else {
      //specify the content type in the response
      console.log(`Returning ${path}`);
      res.setHeader("X-Content-Type-Options", "nosniff");
      let mime = lookup(path);
      res.writeHead(200, { "Content-type": mime });
      // switch (path) {
      //   case "main.css":
      //     res.writeHead(200, { "Content-type": "text/css" });
      //     break;
    }
  })
})
```

```

    // case "main.js":
    //   res.writeHead(200, { "Content-type": "application/javascript" });
    //   break;
    // case "index.html":
    //   res.writeHead(200, { "Content-type": "text/html" });
    // }
    res.end(content);
}
});
});
};

server.listen(1234, "localhost", () => {
  console.log("Listening on port 1234");
});

```



## Assignment -4

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <title>My first jQuery Mobile code</title>
    <link rel="stylesheet" href="https://code.jquery.com/mobile/1.2.0/jquery.mobile-1.2.0.min.css">
    <script src="https://code.jquery.com/jquery-1.8.2.min.js"></script>
    <script src="https://code.jquery.com/mobile/1.2.0/jquery.mobile-1.2.0.min.js"></script>
    <meta name="viewport" content="width=device-width, initial-scale=1">
  </head>
  <body>
    <div data-role="page" data-theme="a">
      <div data-role="header">
        <h1>jQuery Mobile</h1>
      </div>
      <div data-role="content">
        <ul data-role="listview" data-inset="true" data-dividertheme="b">
          <li data-role="list-divider">Options</li>
          <li><a href="E:\Web Projects\university/index.html">Option 1</a></li>
          <li><a href="option2.html">Option 2</a></li>
          <li><a href="option3.html">Option 3</a></li>
          <li><a href="option4.html">Option 4</a></li>
        </ul>
      </div>
      <div data-role="footer">
        <br><br><br><br><br><br><br><br><br><br>
        <br><br><br><br><br><br><br><br>
        <h4>&copy; 2023 DYPIT</h4>
      </div>
    </div>
  </body>
</html>
```

