

## Assignment 1

1a. Create a responsive web page that shows the ecommerce/college/exam admin dashboard with sidebar and statistics in cards using HTML, CSS, and Bootstrap.

### 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>
      </div>
    </main>
  </body>
</html>
```

```

        />
    </div>
</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>
```

The screenshot shows a web browser window with the address bar displaying '127.0.0.1:5500/index.html'. The page title is 'Student Registration Form'. The form is titled 'Add Student Form' and contains the following fields:

- First Name: Text input field
- Last Name: Text input field
- Birthday: Date input field (dd-mm-yyyy)
- Gender: Radio buttons for Male and Female
- Email: Text input field
- Phone Number: Text input field
- Branch: Dropdown menu with 'Choose Option' selected
- Roll No: Text input field
- Registration Date: Date input field (dd-mm-yyyy)
- Parent Name: Text input field
- Parent Mobile No: Text input field

A blue button labeled 'Add Student' is located at the bottom of the form.

## Display data.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>

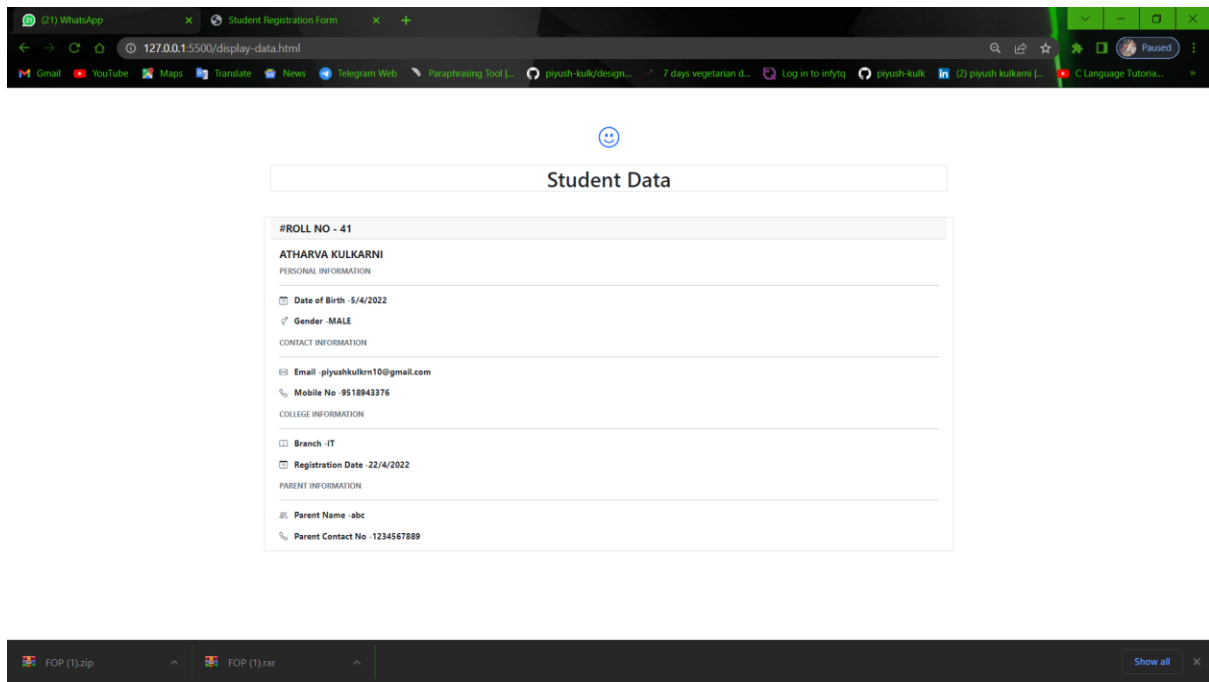
  <body>
    <main class="mt-5 pt-3">
      <div class="text-center">
        <i class="bi bi-emoji-smile fs-1 text-primary"></i>
      </div>
      <div class="container">
        <div class="h1 my-4 text-center border">Student Data</div>
        <div class="row my-5">
          <div class="card">
            <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>
            </div>
          </div>
        </div>
      </div>
    </main>
  </body>
</html>
```

```

    </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>
    <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>

```



1b. Write a JavaScript Program to get the user registration data and push it to array/local storage with the AJAX POST method and data list on a new page.

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

<body>
  <!-- top navigation bar -->
  <nav class="navbar navbar-expand-lg navbar-dark bg-dark fixed-top">
```

```

<div class="container-fluid">
  <button class="navbar-toggler" type="button" data-bs-toggle="offcanvas"
data-bs-target="#sidebar"
  aria-controls="offcanvasExample">
    <span class="navbar-toggler-icon" data-bs-target="#sidebar"></span>
  </button>
  <a class="navbar-brand me-auto ms-lg-0 ms-3 text-uppercase fw-bold"
href="#">PUNE UNIVERSITY</a>
  <button class="navbar-toggler" type="button" data-bs-toggle="collapse"
data-bs-target="#topNavBar"
  aria-controls="topNavBar" aria-expanded="false" aria-label="Toggle
navigation">
    <span class="navbar-toggler-icon"></span>
  </button>
  <div class="collapse navbar-collapse" id="topNavBar">
    <form class="d-flex ms-auto my-3 my-lg-0">
      <div class="input-group">
        <input class="form-control" type="search" placeholder="Search"
aria-label="Search" />
        <button class="btn btn-primary" type="submit">
          <i class="bi bi-search"></i>
        </button>
      </div>
    </form>
    <ul class="navbar-nav">
      <li class="nav-item dropdown">
        <a class="nav-link dropdown-toggle ms-2" href="#" role="button"
data-bs-toggle="dropdown"
          aria-expanded="false">
          <i class="bi bi-person-fill"></i>
        </a>
        <ul class="dropdown-menu dropdown-menu-end">
          <li><a class="dropdown-item" href="#">Profile</a></li>
          <li><a class="dropdown-item" href="#">Logout</a></li>
        </ul>
      </li>
    </ul>
  </div>
</div>
</nav>
<!-- top navigation bar -->
<!-- offcanvas -->
<div class="offcanvas offcanvas-start sidebar-nav bg-dark" tabindex="-1"
id="sidebar">
  <div class="offcanvas-body p-0">
    <nav class="navbar-dark">
      <ul class="navbar-nav">
        <li>

```



```

        <div class="text-muted small fw-bold text-uppercase px-3">
            CORE
        </div>
    </li>
    <li>
        <a href="#" class="nav-link px-3 active">
            <span class="me-2"><i class="bi bi-speedometer2"></i></span>
            <span>Dashboard</span>
        </a>
    </li>
    <li class="my-4">
        <hr class="dropdown-divider bg-light" />
    </li>
    <li>
        <div class="text-muted small fw-bold text-uppercase px-3 mb-3">
            College Management
        </div>
    </li>
    <li>
        <a class="nav-link px-3 sidebar-link" data-bs-toggle="collapse"
href="#students">
            <span class="me-2"><i class="bi bi-people-fill"></i></span>
            <span>Students</span>
            <span class="ms-auto">
                <span class="right-icon">
                    <i class="bi bi-chevron-down"></i>
                </span>
            </span>
        </a>
        <div class="collapse" id="students">
            <ul class="navbar-nav ps-3">
                <li>
                    <a href="#" class="nav-link px-3">
                        <span class="me-2"><i class="bi bi-list"></i></span>
                        <span>Student List</span>
                    </a>
                </li>
                <li>
                    <a href="#" class="nav-link px-3">
                        <span class="me-2"><i class="bi bi-person-plus-
fill"></i></span>
                        <span>Add Student</span>
                    </a>
                </li>
            </ul>
        </div>
    </li>
    <li>

```

```

        <a class="nav-link px-3 sidebar-link" data-bs-toggle="collapse"
href="#professors">
            <span class="me-2"><i class="bi bi-person-badge"></i></span>
            <span>Professors</span>
            <span class="ms-auto">
                <span class="right-icon">
                    <i class="bi bi-chevron-down"></i>
                </span>
            </span>
        </a>
        <div class="collapse" id="professors">
            <ul class="navbar-nav ps-3">
                <li>
                    <a href="#" class="nav-link px-3">
                        <span class="me-2"><i class="bi bi-list"></i></span>
                        <span>Professors List</span>
                    </a>
                </li>
                <li>
                    <a href="#" class="nav-link px-3">
                        <span class="me-2"><i class="bi bi-person-plus-
fill"></i></span>
                        <span>Add Professors</span>
                    </a>
                </li>
            </ul>
        </div>
    </li>
    <li>
        <a class="nav-link px-3 sidebar-link" data-bs-toggle="collapse"
href="#branches">
            <span class="me-2"><i class="bi bi-book"></i></span>
            <span>Branches</span>
            <span class="ms-auto">
                <span class="right-icon">
                    <i class="bi bi-chevron-down"></i>
                </span>
            </span>
        </a>
        <div class="collapse" id="branches">
            <ul class="navbar-nav ps-3">
                <li>
                    <a href="#" class="nav-link px-3">
                        <span class="me-2"><i class="bi bi-list"></i></span>
                        <span>Branch List</span>
                    </a>
                </li>
                <li>

```

```

        <a href="#" class="nav-link px-3">
            <span class="me-2"><i class="bi bi-bookmark-plus-
fill"></i></span>
            <span>Add Branch</span>
        </a>
    </li>
</ul>
</div>
</li>
</ul>
</nav>
</div>
</div>
<!-- offcanvas -->
<main class="mt-5 pt-3">
    <div class="container-fluid">
        <div class="row">
            <div class="col-md-12">
                <h4>Dashboard</h4>
            </div>
        </div>
        <div class="container-fluid px-4">
            <div class="row g-3 my-2">
                <div class="col-md-4">
                    <div class="p-3 bg-primary text-white shadow-lg d-flex justify-
content-around align-items-center rounded">
                        <div>
                            <h3 class="fs-2">10000</h3>
                            <p class="fs-5">Total Students</p>
                        </div>
                        <i class="bi bi-people-fill border rounded p-3" style="font-
size: 1.8rem;"></i>
                    </div>
                </div>
                <div class="col-md-4">
                    <div class="p-3 bg-danger text-white shadow-lg d-flex justify-
content-around align-items-center rounded">
                        <div>
                            <h3 class="fs-2">5000</h3>
                            <p class="fs-5">Boys</p>
                        </div>
                        <i class="bi bi-gender-male border rounded p-3" style="font-
size: 2rem;"></i>
                    </div>
                </div>
            </div>
        </div>
    </div>

```

```

        <div class="p-3 bg-success text-white shadow-lg d-flex justify-
content-around align-items-center rounded">
            <div>
                <h3 class="fs-2">5000</h3>
                <p class="fs-5">Girls</p>
            </div>
            <i class="bi bi-gender-female border rounded p-3" style="font-
size: 1.8rem;"></i>
        </div>
    </div>
</div>
<div class="container-fluid px-4">
    <div class="row my-4 ">
        <div class="col-md-12">
            <h4>Student List</h4>
        </div>
    </div>
    <table class="table table-hover table-sm">
        <thead>
            <tr>
                <th scope="col">#Roll No</th>
                <th scope="col">Name</th>
                <th scope="col">Branch</th>
                <th scope="col">Mobile No</th>
                <th scope="col">Email</th>
                <th scope="col">Admission Date</th>
            </tr>
        </thead>
        <tbody>
            <tr>
                <td class="left">18</td>
                <td>Rajesh Bhatt</td>
                <td class="left">Mechanical</td>
                <td><a href="tel:9876543210"> 9876543210 </a></td>
                <td><a href="mailto:shuxer@gmail.com"> rajesh@gmail.com
</a></td>
                <td class="left">22 Feb 2010</td>
            </tr>
            <tr>
                <td class="left">5</td>
                <td>Pooja Patel</td>
                <td class="left">Science</td>
                <td><a href="tel:9876543210"> 9876543210 </a></td>
                <td><a href="mailto:shuxer@gmail.com"> pooja@gmail.com </a></td>
                <td class="left">27 Aug 2005</td>
            </tr>
        </tbody>
    </table>

```

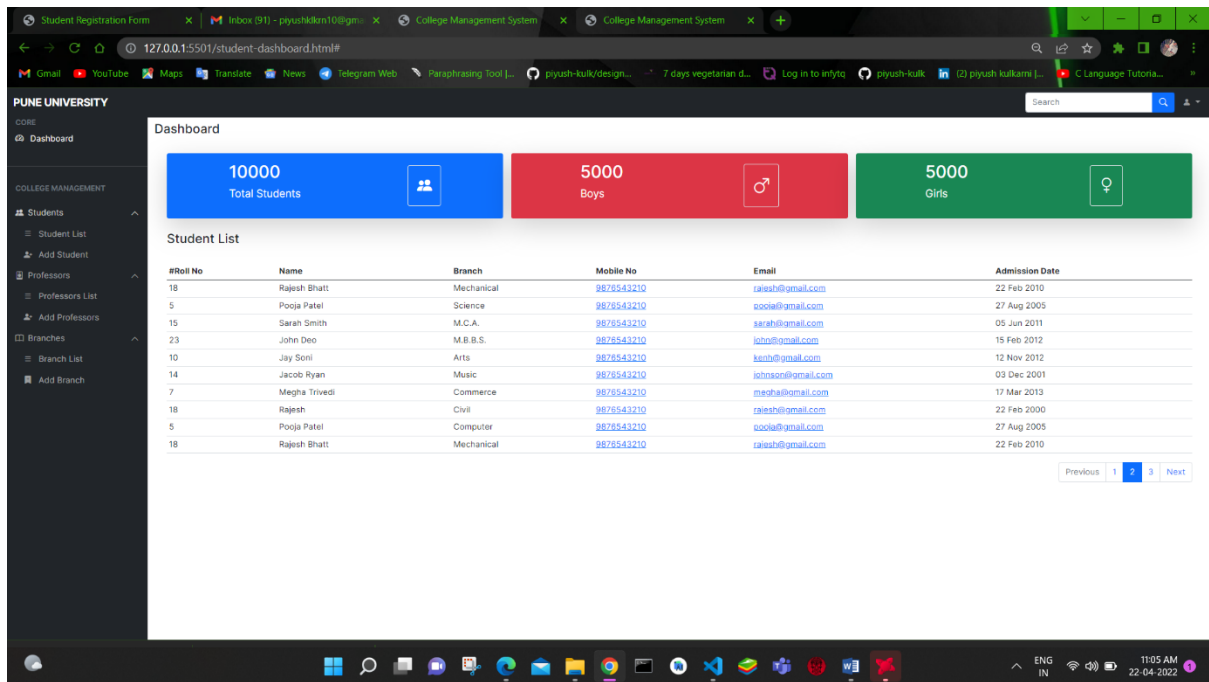
<div> <div>15</div> <div>Sarah Smith</div> <div>M.C.A.</div> <div> <a href="tel:9876543210">9876543210</a> </div> <div> <a href="mailto:shuxer@gmail.com">sarah@gmail.com</a> </div> <div>05 Jun 2011</div> </div>
<div> <div>23</div> <div>John Deo</div> <div>M.B.B.S.</div> <div> <a href="tel:9876543210">9876543210</a> </div> <div> <a href="mailto:shuxer@gmail.com">john@gmail.com</a> </div> <div>15 Feb 2012</div> </div>
<div> <div>10</div> <div>Jay Soni</div> <div>Arts</div> <div> <a href="tel:9876543210">9876543210</a> </div> <div> <a href="mailto:shuxer@gmail.com">kenh@gmail.com</a> </div> <div>12 Nov 2012</div> </div>
<div> <div>14</div> <div>Jacob Ryan</div> <div>Music</div> <div> <a href="tel:9876543210">9876543210</a> </div> <div> <a href="mailto:shuxer@gmail.com">johnson@gmail.com</a> </div> <div>03 Dec 2001</div> </div>
<div> <div>7</div> <div>Megha Trivedi</div> <div>Commerce</div> <div> <a href="tel:9876543210">9876543210</a> </div> <div> <a href="mailto:shuxer@gmail.com">megha@gmail.com</a> </div> <div>17 Mar 2013</div> </div>
<div> <div>18</div> <div>Rajesh</div> <div>Civil</div> <div> <a href="tel:9876543210">9876543210</a> </div> <div> <a href="mailto:shuxer@gmail.com">rajesh@gmail.com</a> </div> <div>22 Feb 2000</div> </div>

```

    </tr>
    <tr>
      <td class="left">5</td>
      <td>Pooja Patel</td>
      <td class="left">Computer</td>
      <td><a href="tel:9876543210"> 9876543210 </a></td>
      <td><a href="mailto:shuxer@gmail.com"> pooja@gmail.com </a></td>
      <td class="left">27 Aug 2005</td>
    </tr>
    <tr>
      <td class="left">18</td>
      <td>Rajesh Bhatt</td>
      <td class="left">Mechanical</td>
      <td><a href="tel:9876543210"> 9876543210 </a></td>
      <td><a href="mailto:shuxer@gmail.com"> rajesh@gmail.com
</a></td>
      <td class="left">22 Feb 2010</td>
    </tr>
  </tbody>
</table>
<nav aria-label="...">
  <ul class="pagination float-end">
    <li class="page-item disabled">
      <a class="page-link">Previous</a>
    </li>
    <li class="page-item"><a class="page-link" href="#">1</a></li>
    <li class="page-item active" aria-current="page">
      <a class="page-link" href="#">2</a>
    </li>
    <li class="page-item"><a class="page-link" href="#">3</a></li>
    <li class="page-item">
      <a class="page-link" href="#">Next</a>
    </li>
  </ul>
</nav>
</div>
</main>
<script src="./js/bootstrap.bundle.min.js"></script>
<script src="./js/jquery-3.5.1.js"></script>
</body>

</html>

```



## Add student.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="https://cdn.jsdelivr.net/npm/bootstrap-
icons@1.7.2/font/bootstrap-icons.css">
  <link rel="stylesheet" href="css/style.css" />
  <title>College Management System</title>
</head>

<body>
  <!-- top navigation bar -->
  <nav class="navbar navbar-expand-lg navbar-dark bg-dark fixed-top">
    <div class="container-fluid">
      <button class="navbar-toggler" type="button" data-bs-
toggle="offcanvas" data-bs-target="#sidebar"
      aria-controls="offcanvasExample">
        <span class="navbar-toggler-icon" data-bs-
target="#sidebar"></span>
      </button>
    </div>
  </nav>

```

```

        <a class="navbar-brand me-auto ms-lg-0 ms-3 text-uppercase fw-
bold" href="#">PUNE UNIVERSITY</a>
        <button class="navbar-toggler" type="button" data-bs-
toggle="collapse" data-bs-target="#topNavBar"
            aria-controls="topNavBar" aria-expanded="false" aria-
label="Toggle navigation">
            <span class="navbar-toggler-icon"></span>
        </button>
        <div class="collapse navbar-collapse" id="topNavBar">
            <form class="d-flex ms-auto my-3 my-lg-0">
                <div class="input-group">
                    <input class="form-control" type="search"
placeholder="Search" aria-label="Search" />
                    <button class="btn btn-primary" type="submit">
                        <i class="bi bi-search"></i>
                    </button>
                </div>
            </form>
            <ul class="navbar-nav">
                <li class="nav-item dropdown">
                    <a class="nav-link dropdown-toggle ms-2" href="#"
role="button" data-bs-toggle="dropdown"
                        aria-expanded="false">
                        <i class="bi bi-person-fill"></i>
                    </a>
                    <ul class="dropdown-menu dropdown-menu-end">
                        <li><a class="dropdown-item"
href="#">Profile</a></li>
                        <li><a class="dropdown-item"
href="#">Logout</a></li>
                    </ul>
                </li>
            </ul>
        </div>
    </nav>
    <!-- top navigation bar -->
    <!-- offcanvas -->
    <div class="offcanvas offcanvas-start sidebar-nav bg-dark" tabindex="-1"
id="sidebar">
        <div class="offcanvas-body p-0">
            <nav class="navbar-dark">
                <ul class="navbar-nav">
                    <li>
                        <div class="text-muted small fw-bold text-uppercase
px-3">
                            CORE
                        </div>
                    </li>
                </ul>
            </nav>
        </div>
    </div>

```



```

        </li>
        <li>
            <a href="#" class="nav-link px-3 active">
                <span class="me-2"><i class="bi bi-
speedometer2"></i></span>
                <span>Dashboard</span>
            </a>
        </li>
        <li class="my-4">
            <hr class="dropdown-divider bg-light" />
        </li>
        <li>
            <div class="text-muted small fw-bold text-uppercase
px-3 mb-3">
                College Management
            </div>
        </li>
        <li>
            <a class="nav-link px-3 sidebar-link" data-bs-
toggle="collapse" href="#students">
                <span class="me-2"><i class="bi bi-people-
fill"></i></span>
                <span>Students</span>
                <span class="ms-auto">
                    <span class="right-icon">
                        <i class="bi bi-chevron-down"></i>
                    </span>
                </span>
            </a>
            <div class="collapse" id="students">
                <ul class="navbar-nav ps-3">
                    <li>
                        <a href="#" class="nav-link px-3">
                            <span class="me-2"><i class="bi bi-
list"></i></span>
                            <span>Student List</span>
                        </a>
                    </li>
                    <li>
                        <a href="#" class="nav-link px-3">
                            <span class="me-2"><i class="bi bi-
person-plus-fill"></i></span>
                            <span>Add Student</span>
                        </a>
                    </li>
                </ul>
            </div>
        </li>

```

```

        <li>
            <a class="nav-link px-3 sidebar-link" data-bs-
toggle="collapse" href="#professors">
                <span class="me-2"><i class="bi bi-person-
badge"></i></span>

                <span>Professors</span>
                <span class="ms-auto">
                    <span class="right-icon">
                        <i class="bi bi-chevron-down"></i>
                    </span>
                </span>
            </a>
            <div class="collapse" id="professors">
                <ul class="navbar-nav ps-3">
                    <li>
                        <a href="#" class="nav-link px-3">
                            <span class="me-2"><i class="bi bi-
list"></i></span>

                            <span>Professors List</span>
                        </a>
                    </li>
                    <li>
                        <a href="#" class="nav-link px-3">
                            <span class="me-2"><i class="bi bi-
person-plus-fill"></i></span>

                            <span>Add Professors</span>
                        </a>
                    </li>
                </ul>
            </div>
        </li>
        <li>
            <a class="nav-link px-3 sidebar-link" data-bs-
toggle="collapse" href="#branches">
                <span class="me-2"><i class="bi bi-
book"></i></span>

                <span>Branches</span>
                <span class="ms-auto">
                    <span class="right-icon">
                        <i class="bi bi-chevron-down"></i>
                    </span>
                </span>
            </a>
            <div class="collapse" id="branches">
                <ul class="navbar-nav ps-3">
                    <li>
                        <a href="#" class="nav-link px-3">

```

```

list"></i></span>
        <span class="me-2"><i class="bi bi-
        <span>Branch List</span>
      </a>
    </li>
    <li>
      <a href="#" class="nav-link px-3">
        <span class="me-2"><i class="bi bi-
bookmark-plus-fill"></i></span>
        <span>Add Branch</span>
      </a>
    </li>
  </ul>
</div>
</li>
</ul>
</nav>
</div>
</div>
<!-- offcanvas -->
<main class="mt-5 pt-3">
  <div class="container-fluid">
    <div class="container-fluid px-4">
      <div class="row g-3 my-2">
        <div class="wrapper rounded bg-white">
          <div class="h3 my-4">Add Student Form</div>
          <div>
            <div class="row">
              <div class="col-md-6 mt-md-3 mt-3">
<label>First Name</label> <input type="text"
              class="form-control" required> </div>
              <div class="col-md-6 mt-md-3 mt-3">
<label>Last Name</label> <input type="text"
              class="form-control" required> </div>
            </div>
            <div class="row">
              <div class="col-md-6 mt-md-3 mt-3">
<label>Birthday</label> <input type="date"
              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="radio">Male
              <span class="checkmark"></span> </label>
              <label class="option ms-4"> <input
              type="radio" name="radio">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"
        class="form-control" required> </div>
    <div class="col-md-6 mt-md-3 mt-3">
<label>Phone Number</label> <input type="tel"
        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" class="form-control"
required>
    </div>
    <div class="col-md-6 mt-md-3 mt-3">
<label>Registration Date</label> <input type="date"
        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" class="form-control"
required>
    </div>
    <div class="col-md-6 mt-md-3 mt-3">
<label>Parent Mobile No</label> <input type="tel"
        class="form-control" required> </div>
    </div>
<div class="btn btn-primary mt-3 float-end">Add
Student</div>
    </div>
</div>
</div>
</div>

```

```

    </main>
    <script src="./js/bootstrap.bundle.min.js"></script>
    <script src="./js/jquery-3.5.1.js"></script>
</body>

</html>

```

## 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@1.4.1/font/bootstrap-icons.css" />
    <link rel="stylesheet" href="css/style.css" />
    <title>College Management System</title>
</head>

<body>
    <!-- top navigation bar -->
    <nav class="navbar navbar-expand-lg navbar-dark bg-dark fixed-top">
        <div class="container-fluid">

```

```

        <button class="navbar-toggler" type="button" data-bs-toggle="offcanvas"
data-bs-target="#sidebar"
        aria-controls="offcanvasExample">
        <span class="navbar-toggler-icon" data-bs-target="#sidebar"></span>
    </button>
    <a class="navbar-brand me-auto ms-lg-0 ms-3 text-uppercase fw-bold"
href="#">PUNE UNIVERSITY</a>
    <button class="navbar-toggler" type="button" data-bs-toggle="collapse"
data-bs-target="#topNavBar"
        aria-controls="topNavBar" aria-expanded="false" aria-label="Toggle
navigation">
        <span class="navbar-toggler-icon"></span>
    </button>
    <div class="collapse navbar-collapse" id="topNavBar">
        <form class="d-flex ms-auto my-3 my-lg-0">
            <div class="input-group">
                <input class="form-control" type="search" placeholder="Search"
aria-label="Search" />
                <button class="btn btn-primary" type="submit">
                    <i class="bi bi-search"></i>
                </button>
            </div>
        </form>
        <ul class="navbar-nav">
            <li class="nav-item dropdown">
                <a class="nav-link dropdown-toggle ms-2" href="#" role="button"
data-bs-toggle="dropdown"
                aria-expanded="false">
                    <i class="bi bi-person-fill"></i>
                </a>
                <ul class="dropdown-menu dropdown-menu-end">
                    <li><a class="dropdown-item" href="#">Profile</a></li>
                    <li><a class="dropdown-item" href="#">Logout</a></li>
                </ul>
            </li>
        </ul>
    </div>
</div>
</nav>
<!-- top navigation bar -->
<!-- offcanvas -->
<div class="offcanvas offcanvas-start sidebar-nav bg-dark" tabindex="-1"
id="sidebar">
    <div class="offcanvas-body p-0">
        <nav class="navbar-dark">
            <ul class="navbar-nav">
                <li>
                    <div class="text-muted small fw-bold text-uppercase px-3">

```

```

        CORE
    </div>
</li>
<li>
    <a href="#" class="nav-link px-3 active">
        <span class="me-2"><i class="bi bi-speedometer2"></i></span>
        <span>Dashboard</span>
    </a>
</li>
<li class="my-4">
    <hr class="dropdown-divider bg-light" />
</li>
<li>
    <div class="text-muted small fw-bold text-uppercase px-3 mb-3">
        College Management
    </div>
</li>
<li>
    <a class="nav-link px-3 sidebar-link" data-bs-toggle="collapse"
href="#students">
        <span class="me-2"><i class="bi bi-people-fill"></i></span>
        <span>Students</span>
        <span class="ms-auto">
            <span class="right-icon">
                <i class="bi bi-chevron-down"></i>
            </span>
        </span>
    </a>
    <div class="collapse" id="students">
        <ul class="navbar-nav ps-3">
            <li>
                <a href="./student-dashboard.html" class="nav-link px-3">
                    <span class="me-2"><i class="bi bi-list"></i></span>
                    <span>Student List</span>
                </a>
            </li>
            <li>
                <a href="./add-student.html" class="nav-link px-3">
                    <span class="me-2"><i class="bi bi-person-plus-
fill"></i></span>
                    <span>Add Student</span>
                </a>
            </li>
        </ul>
    </div>
</li>
<li>

```

```

        <a class="nav-link px-3 sidebar-link" data-bs-toggle="collapse"
href="#professors">
            <span class="me-2"><i class="bi bi-person-badge"></i></span>
            <span>Professors</span>
            <span class="ms-auto">
                <span class="right-icon">
                    <i class="bi bi-chevron-down"></i>
                </span>
            </span>
        </a>
        <div class="collapse" id="professors">
            <ul class="navbar-nav ps-3">
                <li>
                    <a href="#" class="nav-link px-3">
                        <span class="me-2"><i class="bi bi-list"></i></span>
                        <span>Professors List</span>
                    </a>
                </li>
                <li>
                    <a href="#" class="nav-link px-3">
                        <span class="me-2"><i class="bi bi-person-plus-
fill"></i></span>
                        <span>Add Professors</span>
                    </a>
                </li>
            </ul>
        </div>
    </li>
    <li>
        <a class="nav-link px-3 sidebar-link" data-bs-toggle="collapse"
href="#branches">
            <span class="me-2"><i class="bi bi-book"></i></span>
            <span>Branches</span>
            <span class="ms-auto">
                <span class="right-icon">
                    <i class="bi bi-chevron-down"></i>
                </span>
            </span>
        </a>
        <div class="collapse" id="branches">
            <ul class="navbar-nav ps-3">
                <li>
                    <a href="#" class="nav-link px-3">
                        <span class="me-2"><i class="bi bi-list"></i></span>
                        <span>Branch List</span>
                    </a>
                </li>
                <li>

```



```

        <a href="#" class="nav-link px-3">
            <span class="me-2"><i class="bi bi-bookmark-plus-
fill"></i></span>
            <span>Add Branch</span>
        </a>
    </li>
</ul>
</div>
</li>
</ul>
</nav>
</div>
</div>
<!-- offcanvas -->
<main class="mt-5 pt-3">
    <div class="container-fluid">
        <div class="row">
            <div class="col-md-12">
                <h4>Dashboard</h4>
            </div>
        </div>
        <div class="container-fluid px-4">
            <div class="row g-3 my-2">
                <div class="col-md-4">
                    <div class="p-3 bg-primary text-white shadow-lg d-flex justify-
content-around align-items-center rounded">
                        <div>
                            <h3 class="fs-2">10000</h3>
                            <p class="fs-5">Students</p>
                        </div>
                        <i class="bi bi-people-fill border rounded p-3" style="font-
size: 1.8rem;"></i>
                    </div>
                </div>
                <div class="col-md-4">
                    <div class="p-3 bg-danger text-white shadow-lg d-flex justify-
content-around align-items-center rounded">
                        <div>
                            <h3 class="fs-2">3000</h3>
                            <p class="fs-5">Professors</p>
                        </div>
                        <i class="bi bi-person-badge-fill border rounded p-3"
style="font-size: 2rem;"></i>
                    </div>
                </div>
            </div>
        </div>
    </div>

```

```

        <div class="p-3 bg-success text-white shadow-lg d-flex justify-
content-around align-items-center rounded">
            <div>
                <h3 class="fs-2">20</h3>
                <p class="fs-5">Branches</p>
            </div>
            <i class="bi bi-book-fill border rounded p-3" style="font-size:
1.8rem;"></i>
        </div>
    </div>
</div>
<div class="container-fluid px-4">
    <div class="row my-4 ">
        <div class="col-md-12">
            <h4>Student List</h4>
        </div>
    </div>
    <table class="table table-hover table-sm">
        <thead>
            <tr>
                <th scope="col">#Roll No</th>
                <th scope="col">Name</th>
                <th scope="col">Branch</th>
                <th scope="col">Mobile No</th>
                <th scope="col">Email</th>
                <th scope="col">Admission Date</th>
            </tr>
        </thead>
        <tbody>
            <tr>
                <td class="left">18</td>
                <td>Rajesh Bhatt</td>
                <td class="left">Mechanical</td>
                <td><a href="tel:9876543210"> 9876543210 </a></td>
                <td><a href="mailto:shuxer@gmail.com"> rajesh@gmail.com
</a></td>
                <td class="left">22 Feb 2010</td>
            </tr>
            <tr>
                <td class="left">5</td>
                <td>Pooja Patel</td>
                <td class="left">Science</td>
                <td><a href="tel:9876543210"> 9876543210 </a></td>
                <td><a href="mailto:shuxer@gmail.com"> pooja@gmail.com </a></td>
                <td class="left">27 Aug 2005</td>
            </tr>
        </tbody>
    </table>

```

<div> <div>15</div> <div>Sarah Smith</div> <div>M.C.A.</div> <div> <a href="tel:9876543210">9876543210</a> </div> <div> <a href="mailto:shuxer@gmail.com">sarah@gmail.com</a> </div> <div>05 Jun 2011</div> </div>
<div> <div>23</div> <div>John Deo</div> <div>M.B.B.S.</div> <div> <a href="tel:9876543210">9876543210</a> </div> <div> <a href="mailto:shuxer@gmail.com">john@gmail.com</a> </div> <div>15 Feb 2012</div> </div>
<div> <div>10</div> <div>Jay Soni</div> <div>Arts</div> <div> <a href="tel:9876543210">9876543210</a> </div> <div> <a href="mailto:shuxer@gmail.com">kenh@gmail.com</a> </div> <div>12 Nov 2012</div> </div>
<div> <div>14</div> <div>Jacob Ryan</div> <div>Music</div> <div> <a href="tel:9876543210">9876543210</a> </div> <div> <a href="mailto:shuxer@gmail.com">johnson@gmail.com</a> </div> <div>03 Dec 2001</div> </div>
<div> <div>7</div> <div>Megha Trivedi</div> <div>Commerce</div> <div> <a href="tel:9876543210">9876543210</a> </div> <div> <a href="mailto:shuxer@gmail.com">megha@gmail.com</a> </div> <div>17 Mar 2013</div> </div>
<div> <div>18</div> <div>Rajesh</div> <div>Civil</div> <div> <a href="tel:9876543210">9876543210</a> </div> <div> <a href="mailto:shuxer@gmail.com">rajesh@gmail.com</a> </div> <div>22 Feb 2000</div> </div>

```

    </tr>
    <tr>
      <td class="left">5</td>
      <td>Pooja Patel</td>
      <td class="left">Computer</td>
      <td><a href="tel:9876543210"> 9876543210 </a></td>
      <td><a href="mailto:shuxer@gmail.com"> pooja@gmail.com </a></td>
      <td class="left">27 Aug 2005</td>
    </tr>
    <tr>
      <td class="left">18</td>
      <td>Rajesh Bhatt</td>
      <td class="left">Mechanical</td>
      <td><a href="tel:9876543210"> 9876543210 </a></td>
      <td><a href="mailto:shuxer@gmail.com"> rajesh@gmail.com
</a></td>
      <td class="left">22 Feb 2010</td>
    </tr>
  </tbody>
</table>
<nav aria-label="...">
  <ul class="pagination float-end">
    <li class="page-item disabled">
      <a class="page-link">Previous</a>
    </li>
    <li class="page-item"><a class="page-link" href="#">1</a></li>
    <li class="page-item active" aria-current="page">
      <a class="page-link" href="#">2</a>
    </li>
    <li class="page-item"><a class="page-link" href="#">3</a></li>
    <li class="page-item">
      <a class="page-link" href="#">Next</a>
    </li>
  </ul>
</nav>
</div>
</main>
<script src="./js/bootstrap.bundle.min.js"></script>
<script src="./js/jquery-3.5.1.js"></script>
</body>

</html>

```

PUNE UNIVERSITY

CORE

Dashboard

COLLEGE MANAGEMENT

Students

Professors

Branches

Search

Dashboard

10000  
Students

3000  
Professors

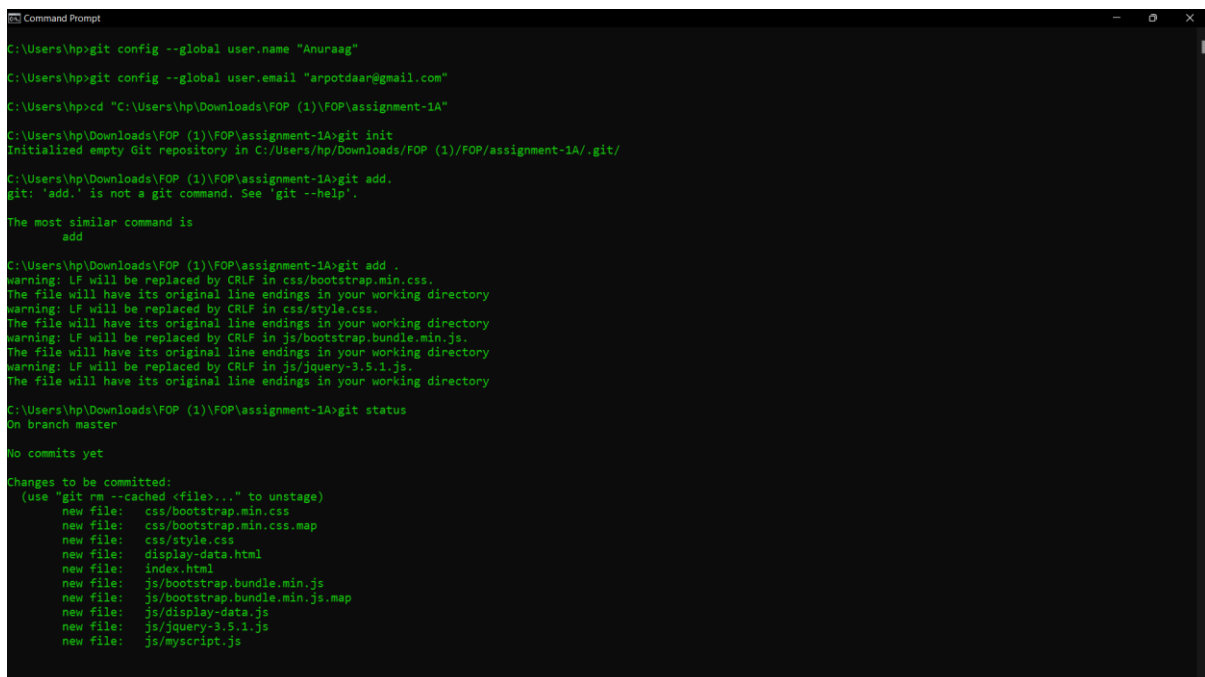
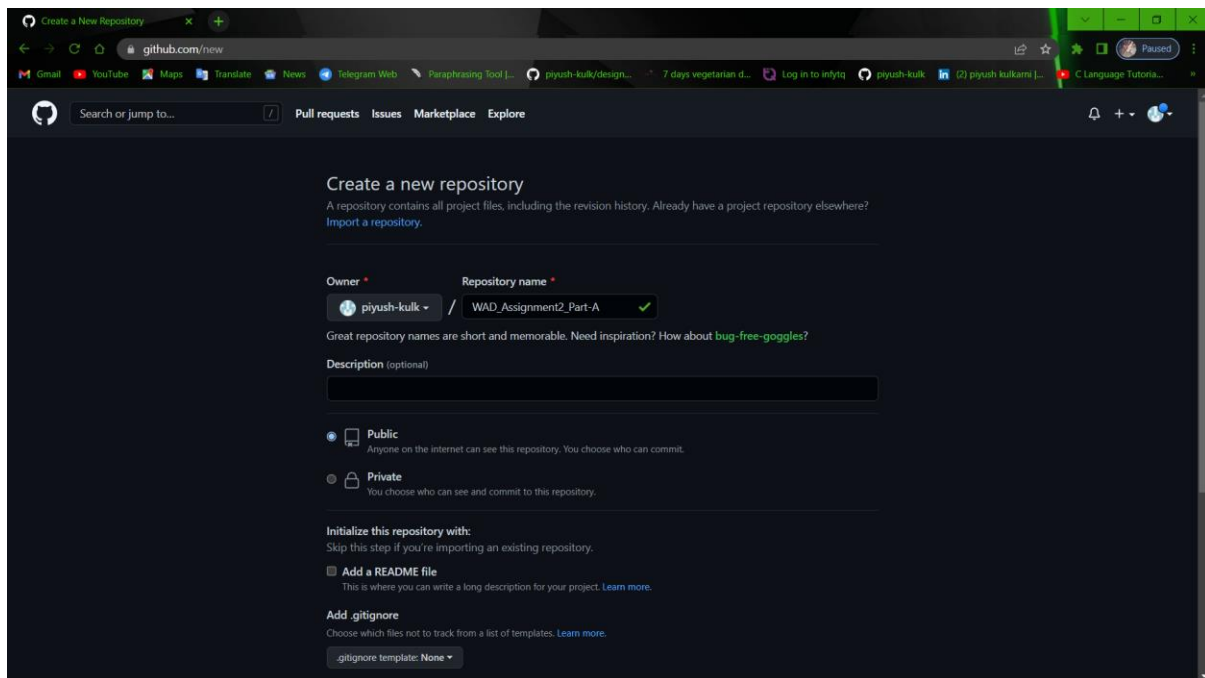
20  
Branches

Student List

#Roll No	Name	Branch	Mobile No	Email	Admission Date
18	Rajesh Bhatt	Mechanical	9876543210	rajesh@gmail.com	22 Feb 2010
5	Pooja Patel	Science	9876543210	pooja@gmail.com	27 Aug 2005
15	Sarah Smith	M.C.A.	9876543210	sarah@gmail.com	05 Jun 2011
23	John Deo	M.B.B.S.	9876543210	john@gmail.com	15 Feb 2012
10	Jay Soni	Arts	9876543210	kenh@gmail.com	12 Nov 2012
14	Jacob Ryan	Music	9876543210	johnson@gmail.com	03 Dec 2001
7	Megha Trivedi	Commerce	9876543210	megha@gmail.com	17 Mar 2013
18	Rajesh	Civil	9876543210	rajesh@gmail.com	22 Feb 2000
5	Pooja Patel	Computer	9876543210	pooja@gmail.com	27 Aug 2005
18	Rajesh Bhatt	Mechanical	9876543210	rajesh@gmail.com	22 Feb 2010

Previous123Next

2a. Create a version control account on GitHub and use Git commands to create a repository and push your code to GitHub.

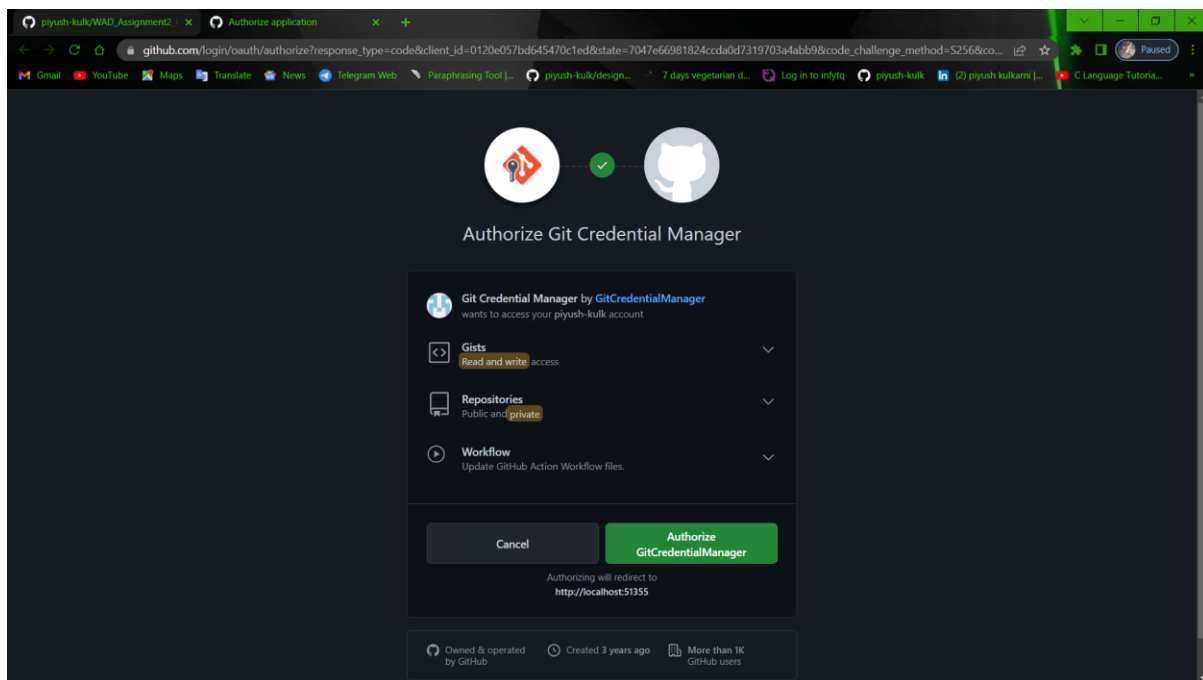


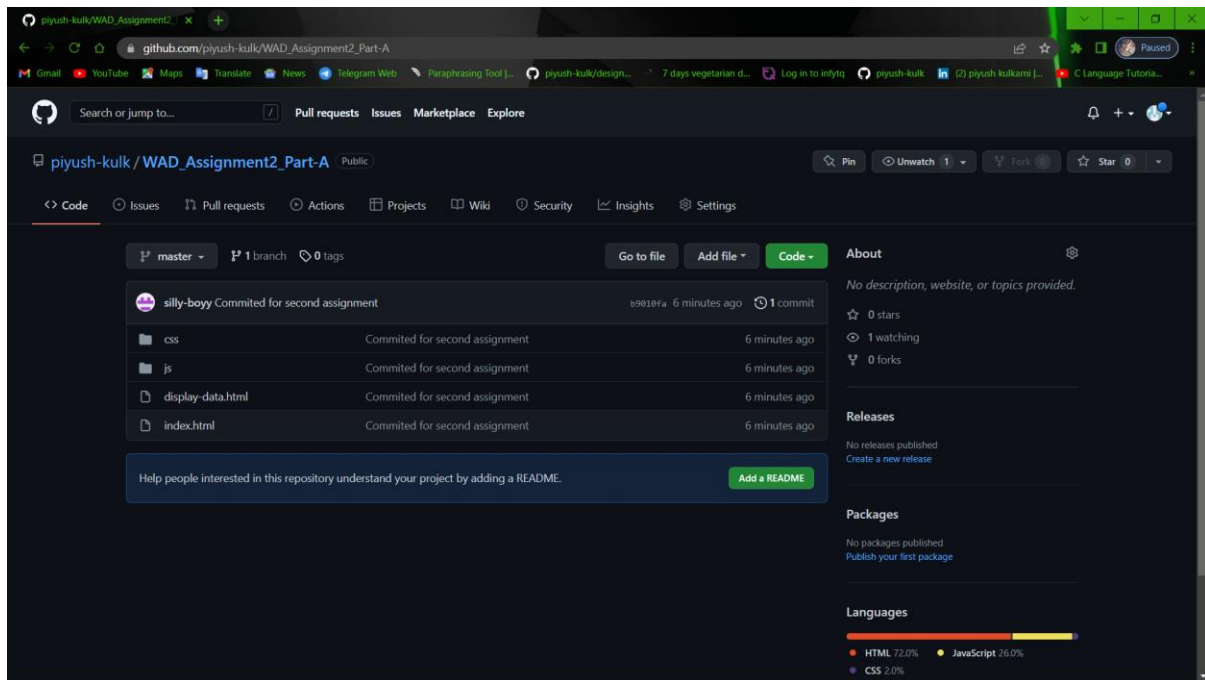
```
Command Prompt
C:\Users\hp\Downloads\FOP (1)\FOP\assignment-1A>git commit -m "Committed for second assignment"
[master (root-commit) b9010fa] Committed for second assignment
10 files changed, 11248 insertions(+)
create mode 100644 css/bootstrap.min.css
create mode 100644 css/bootstrap.min.css.map
create mode 100644 css/style.css
create mode 100644 display-data.html
create mode 100644 index.html
create mode 100644 js/bootstrap.bundle.min.js
create mode 100644 js/bootstrap.bundle.min.js.map
create mode 100644 js/display-data.js
create mode 100644 js/jquery-3.5.1.js
create mode 100644 js/myscript.js

C:\Users\hp\Downloads\FOP (1)\FOP\assignment-1A>git remote add origin "https://github.com/piyush-kulk/WAD_Assignment2_Part-A.git"

C:\Users\hp\Downloads\FOP (1)\FOP\assignment-1A>git push -u origin master
info: please complete authentication in your browser...
Enumerating objects: 14, done.
Counting objects: 100% (14/14), done.
Delta compression using up to 12 threads
Compressing objects: 100% (14/14), done.
Writing objects: 100% (14/14), 282.15 KiB | 3.32 MiB/s, done.
Total 14 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/piyush-kulk/WAD_Assignment2_Part-A.git
 * [new branch] master -> master
branch 'master' set up to track 'origin/master'.

C:\Users\hp\Downloads\FOP (1)\FOP\assignment-1A>
```





2b. Create Docker Container Environment (NVIDIA Docker or any other).

```
→ docker-react docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
docker-react	latest	8e45c884a32e	4 weeks ago	895MB
node	8.16.0	8e45c884a32e	4 weeks ago	895MB

```
→ docker-react docker run -it --rm docker-react /bin/bash
root@0dd9e268bf0a:/# npm --version
6.4.1
root@0dd9e268bf0a:/# node --version
v8.16.0
```

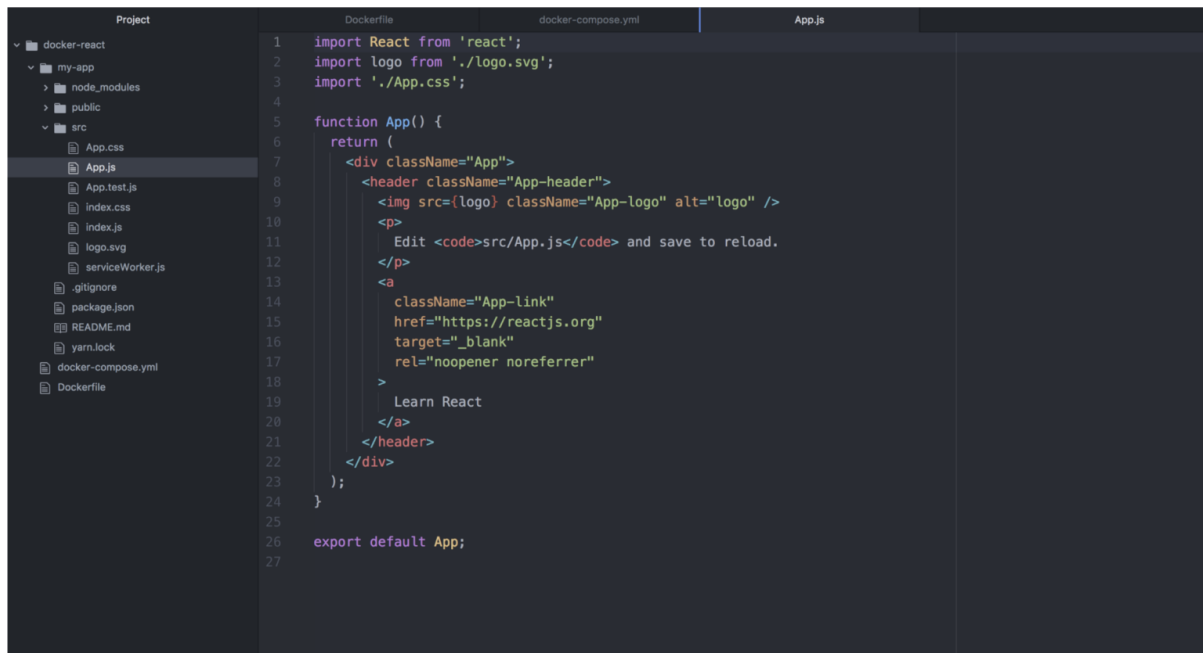
```
root@5f3512cc902e:/usr/app# npx create-react-app my-app
npx: installed 91 in 11.674s

Creating a new React app in /usr/app/my-app.

Installing packages. This might take a couple of minutes.
Installing react, react-dom, and react-scripts...

yarn add v1.15.2
[1/4] Resolving packages...
[2/4] Fetching packages...
info fsevents@1.2.9: The platform "linux" is incompatible with this module.
info "fsevents@1.2.9" is an optional dependency and failed compatibility check. Excluding it from installation.
info fsevents@2.0.7: The platform "linux" is incompatible with this module.
info "fsevents@2.0.7" is an optional dependency and failed compatibility check. Excluding it from installation.
[3/4] Linking dependencies...
warning "react-scripts > @typescript-eslint/eslint-plugin@1.13.0" has incorrect peer dependency "eslint@^5.0.0".
warning "react-scripts > @typescript-eslint/parser@1.13.0" has incorrect peer dependency "eslint@^5.0.0".
```

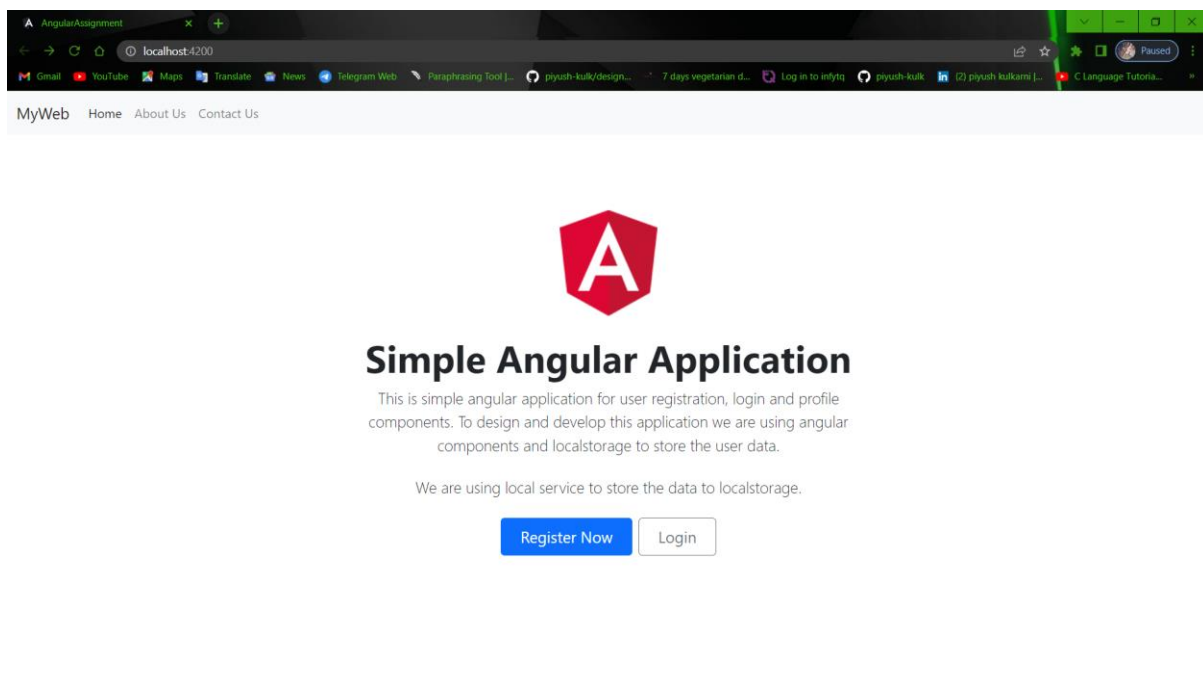




The screenshot shows a code editor with a project structure on the left and the `App.js` file open in the main editor. The project structure includes a `docker-react` directory with subdirectories `my-app`, `node_modules`, `public`, and `src`. The `src` directory contains `App.css`, `App.js`, `App.test.js`, `index.css`, `index.js`, `logo.svg`, `serviceWorker.js`, `.gitignore`, `package.json`, `README.md`, `yarn.lock`, `docker-compose.yml`, and `Dockerfile`. The `App.js` file contains the following code:

```
1 import React from 'react';
2 import logo from './logo.svg';
3 import './App.css';
4
5 function App() {
6   return (
7     <div className="App">
8       <header className="App-header">
9         <img src={logo} className="App-logo" alt="logo" />
10        <p>
11          Edit <code>src/App.js</code> and save to reload.
12        </p>
13        <a
14          className="App-link"
15          href="https://reactjs.org"
16          target="_blank"
17          rel="noopener noreferrer"
18        >
19          Learn React
20        </a>
21      </header>
22    </div>
23  );
24 }
25
26 export default App;
```

2c. Create an Angular application that will do the following actions: Register User, Login User, Show User Data on Profile Component




AngularAssignment

localhost:4200/register

GmailYouTubeMapsTranslateNewsTelegram WebParaphrasing ToolLog in to infytopyush-kulk(2) piyush kulkamiC Language Tutoria

MyWebHomeAbout UsContact Us



## Register

Name

Anuraag

Email address

arpotdaar@gmail.com

Password

\*\*\*

Gender

☒ Male☐ Female

Select Branch

LT

Register

Already Registered? Login [here](#)

AngularAssignment

localhost:4200/login


GmailYouTubeMapsTranslateNewsTelegram WebPLog in to infytopyush-kulk(2) piyush kulkamiC Language Tutoria

MyWebHomeAbout UsContact Us

localhost:4200 says

Login Successful

OK



## Login

Email address

arpotdaar@gmail.com

Password

\*\*\*

Login

Not Registered? [Register Now](#)



## User Profile

Log out

USER INFORMATION

---

**Name** -ANURAAG

---

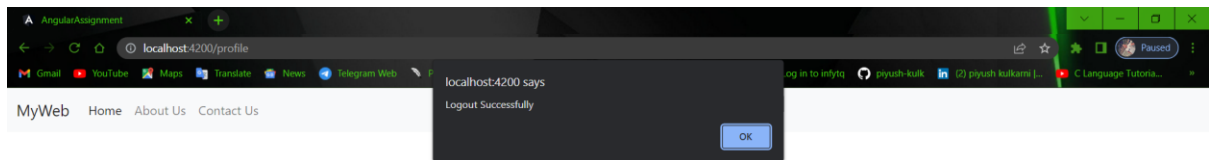
**Email** -arpotdaar@gmail.com

---

**Branch** -IT

---

**Gender** -MALE



## User Profile

Log out

USER INFORMATION

---

**Name** -ANURAAG

---

**Email** -arpotdaar@gmail.com

---

**Branch** -IT

---

**Gender** -MALE

3 a. Create a Node.JS Application that serves a static website.

## 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">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>
      </div>
    </main>
  </body>
</html>
```

```

<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>
  </select>
</div>

```

```

        <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 class="d-grid mt-4">
    <button

```

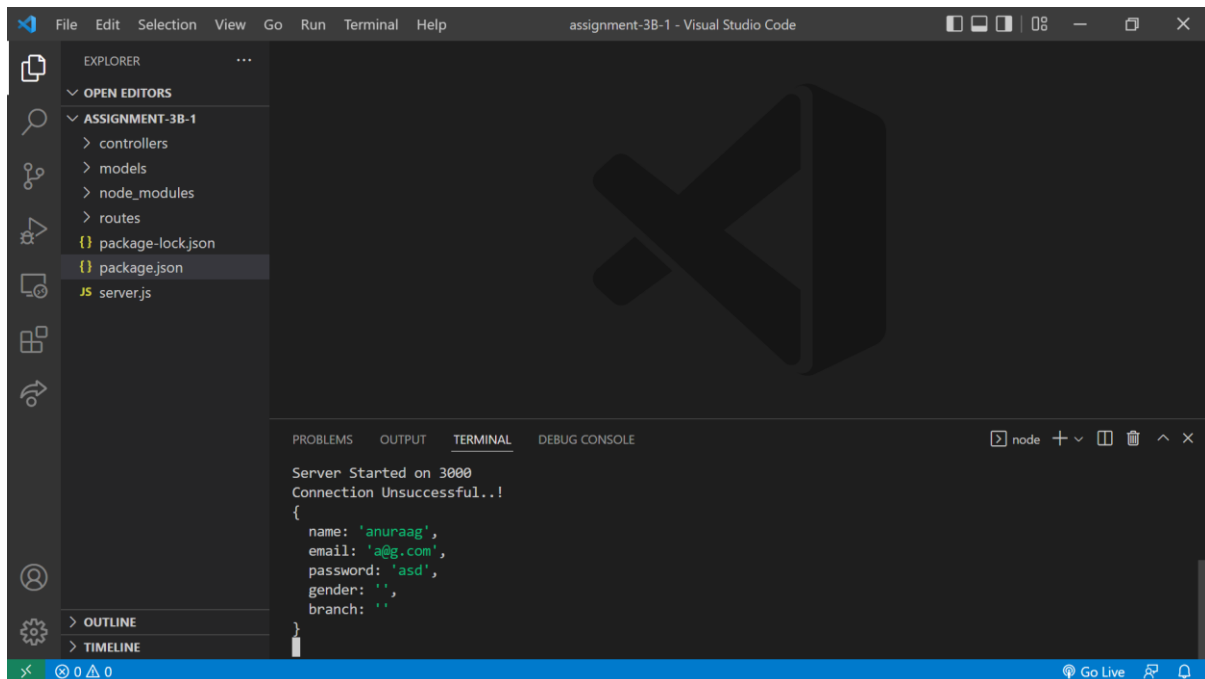
## Student Form

First Name	Last Name
<input type="text" value="Anuraag"/>	<input type="text" value="Potdaar"/>
Birthday	Gender
<input type="text" value="01-01-1111"/>	<input checked="" type="radio"/> Male <input type="radio"/> Female
Email	Phone Number
<input type="text" value="arpotdaar@gmail.com"/>	<input type="text" value="9876543210"/>
Branch	
<input type="text" value="IT"/>	
Roll No	Registration Date
<input type="text" value="T-060"/>	<input type="text" value="01-02-3333"/>
Parent Name	Parent Mobile No
<input type="text" value="Potdaar"/>	<input type="text" value="9876543210"/>
<input type="button" value="Add Student"/>	

3b. Create four APIs using Node.JS, ExpressJS, and MongoDB for CRUD Operations on assignment 2-C.

### Package.json

```
{
  "name": "assignment3b-1",
  "version": "1.0.0",
  "description": "crud api",
  "main": "server.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "author": "",
  "license": "ISC",
  "dependencies": {
    "body-parser": "^1.19.1",
    "cors": "^2.8.5",
    "express": "^4.17.2",
    "mongoose": "^6.1.8"
  }
}
```





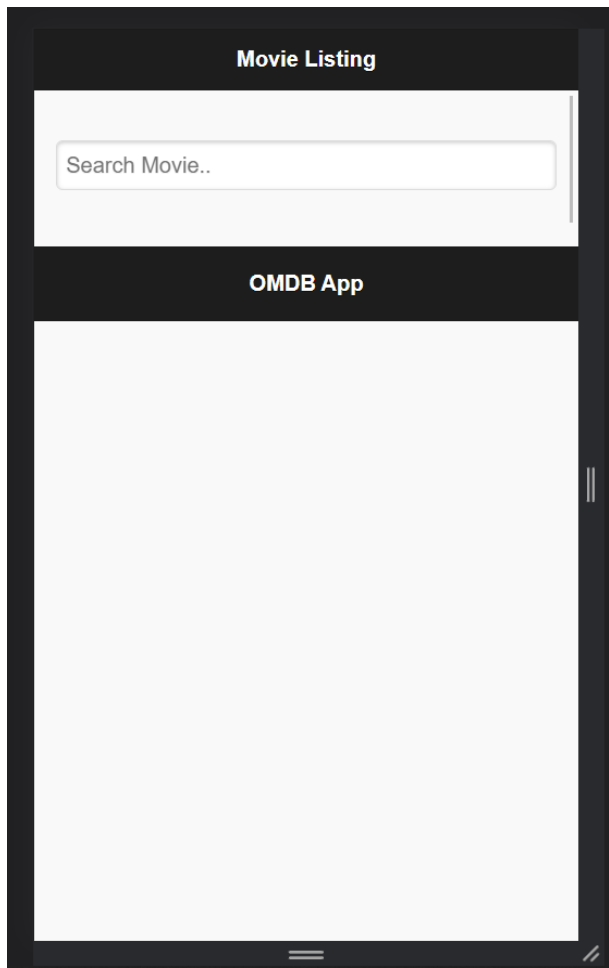
#### 4a. Create a simple Mobile Website using jQuery Mobile.

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>OMDB APP</title>
    <link
      rel="stylesheet"
      href="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.css"
    />
    <script src="https://code.jquery.com/jquery-1.11.1.min.js"></script>
    <script src="https://code.jquery.com/mobile/1.4.5/jquery.mobile-
1.4.5.min.js"></script>
  </head>
  <body>
    <div data-role="page" id="home">
      <div data-role="header" data-theme="b">
        <h1>Movie Listing</h1>
      </div>
      <div data-role="content">
        <form id="searchForm">
          <div class="ui-field-contain">
            <input
              type="text"
              name="search"
              id="search"
              placeholder="Search Movie.."
            />
          </div>
        </form>
        <br>
        <ul id="movieList" data-role="listview"></ul>
      </div>
      <div data-role="footer" style="text-align: center" data-theme="b">
        <p>OMDB App</p>
      </div>
    </div>
    <script src="./js/api.js"></script>
  </body>
</html>
```

## Movie.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>OMDB APP</title>
    <link
      rel="stylesheet"
      href="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.css"
    />
    <script src="https://code.jquery.com/jquery-1.11.1.min.js"></script>
    <script src="https://code.jquery.com/mobile/1.4.5/jquery.mobile-
1.4.5.min.js"></script>
  </head>
  <body>
    <div data-role="page" id="movie">
      <div data-role="header" data-theme="b">
        <h1>Movie Details</h1>
        <a href="index.html" class="ui-btn">Back</a>
      </div>
      <div data-role="content">
        <div id="movieTop"><br /><br /></div>
        <ul id="movieDetail" data-role="listview"></ul>
      </div>
      <div data-role="footer" style="text-align: center" data-theme="b">
        <p>OMDB App</p>
      </div>
    </div>
    <script src="./js/api.js"></script>
  </body>
</html>
```



## 4 b. Deploy/Host Your web application on AWS VPC or AWS Elastic Beanstalk.

**Resources**

You are using the following Amazon EC2 resources in the US West (Oregon) region:

- 1 Running Instances
- 0 Elastic IPs
- 0 Snapshots
- 0 Load Balancers
- 2 Security Groups
- 1 Volumes
- 1 Key Pairs
- 0 Placement Groups

**Create Instance**

To start using Amazon EC2 you will want to launch a virtual server, known as an Amazon EC2 instance.

[Launch Instance](#)

Note: Your instances will launch in the US West (Oregon) region

**Service Health**

**Service Status:** US West (Oregon): No events

**Availability Zone Status:**

- us-west-2a: Availability zone is operating normally
- us-west-2b: Availability zone is operating normally
- us-west-2c: Availability zone is operating normally
- us-west-2d: Availability zone is operating normally

[Service Health Dashboard](#)

**Account Attributes**

**Supported Platforms**

- VPC
- Default VPC: vpc-45f99d20
- Resource ID length management
- Console experiments
- Settings

**Additional Information**

- Getting Started Guide
- Documentation
- All EC2 Resources
- Forums
- Pricing
- Contact Us

**AWS Marketplace**

Find free software trial products in the AWS Marketplace from the [EC2 Launch Wizard](#). Or try these popular AMIs:

- Barracuda CloudGen Firewall for AWS - PAYG**  
By Barracuda Networks, Inc.  
Rating: ★★★★★  
Starting from \$0.60/hr or from \$4,599/yr (12% savings) for software + AWS usage fees  
[View all Infrastructure Software](#)
- Matillion ETL for Amazon Redshift**  
By Matillion  
Rating: ★★★★★  
Starting from \$1.37/hr or from \$9,950/yr (17% savings) for software + AWS usage fees  
[View all Business Software](#)

**Step 2: Choose an Instance Type**

Filter by: [All instance types](#) [Current generation](#) [Show/Hide Columns](#)

Currently selected: t2.micro (Variable ECUs, 1 vCPUs, 2.5 GHz, Intel Xeon Family, 1 GiB memory, EBS only)

	Family	Type	vCPUs (1)	Memory (GiB)	Instance Storage (GB) (1)	EBS-Optimized Available (1)	Network Performance (1)	IPv6 Support (1)
<input type="checkbox"/>	General purpose	t2.nano	1	0.5	EBS only	-	Low to Moderate	Yes
<input checked="" type="checkbox"/>	General purpose	t2.micro	1	1	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.small	1	2	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.medium	2	4	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.large	2	8	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.xlarge	4	16	EBS only	-	Moderate	Yes
<input type="checkbox"/>	General purpose	t2.2xlarge	8	32	EBS only	-	Moderate	Yes
<input type="checkbox"/>	General purpose	t3a.nano	2	0.5	EBS only	Yes	Up to 5 Gigabit	Yes
<input type="checkbox"/>	General purpose	t3a.micro	2	1	EBS only	Yes	Up to 5 Gigabit	Yes
<input type="checkbox"/>	General purpose	t3a.small	2	2	EBS only	Yes	Up to 5 Gigabit	Yes
<input type="checkbox"/>	General purpose	t3a.medium	2	4	EBS only	Yes	Up to 5 Gigabit	Yes
<input type="checkbox"/>	General purpose	t3a.large	2	8	EBS only	Yes	Up to 5 Gigabit	Yes
<input type="checkbox"/>	General purpose	t3a.xlarge	4	16	EBS only	Yes	Up to 5 Gigabit	Yes
<input type="checkbox"/>	General purpose	t3a.2xlarge	8	32	EBS only	Yes	Up to 5 Gigabit	Yes

[Cancel](#) [Previous](#) [Review and Launch](#) [Next: Configure Instance Details](#)

aws

Services

Resource Groups

muhammad waqas

Oregon

Support

1. Choose AMI

2. Choose Instance Type

3. Configure Instance

4. Add Storage

5. Add Tags

6. Configure Security Group

7. Review

### Step 3: Configure Instance Details

Configure the instance to suit your requirements. You can launch multiple instances from the same AMI, request Spot instances to take advantage of the lower pricing, assign an access management role to the instance, and more.

Number of Instances

1

Launch into Auto Scaling Group

Purchasing option

☐ Request Spot instances

Network

vpc-45f99d20 (default)

Create new VPC

Subnet

No preference (default subnet in any Availability Zone)

Create new subnet

Auto-assign Public IP

Use subnet setting (Enable)

Placement group

☐ Add instance to placement group

Capacity Reservation

Open

Create new Capacity Reservation

IAM role

None

Create new IAM role

Shutdown behavior

Stop

Enable termination protection

☐ Protect against accidental termination

Monitoring

☐ Enable CloudWatch detailed monitoring

Additional charges apply.

Tenancy

Shared - Run a shared hardware instance

Additional charges will apply for dedicated tenancy.

Elastic Inference

☐ Add an Elastic Inference accelerator

Additional charges apply.

T2/T3 Unlimited

☐ Enable

Additional charges may apply

Advanced Details

Cancel

Previous

Review and Launch

Next: Add Storage

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1. Choose AMI

2. Choose Instance Type

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7. Review

### Step 4: Add Storage

Your instance will be launched with the following storage device settings. You can attach additional EBS volumes and instance store volumes to your instance, or edit the settings of the root volume. You can also attach additional EBS volumes after launching an instance, but not instance store volumes. [Learn more](#) about storage options in Amazon EC2.

Volume Type	Device	Snapshot	Size (GiB)	Volume Type	IOPS	Throughput (MB/s)	Delete on Termination	Encryption
Root	/dev/sda1	snap-0ba61120c12fdc251	8	General Purpose SSD (gp2)	100 / 3000	N/A	<input checked="" type="checkbox"/>	Not Encrypted

Add New Volume

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage. [Learn more](#) about free usage tier eligibility and usage restrictions.

Cancel

Previous

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Next: Add Tags

aws

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1. Choose AMI

2. Choose Instance Type

3. Configure Instance

4. Add Storage

5. Add Tags

6. Configure Security Group

7. Review

### Step 5: Add Tags

A tag consists of a case-sensitive key-value pair. For example, you could define a tag with key = Name and value = Webserver.  
A copy of a tag can be applied to volumes, instances or both.  
Tags will be applied to all instances and volumes. [Learn more](#) about tagging your Amazon EC2 resources.

Key (127 characters maximum)	Value (255 characters maximum)	Instances (i)	Volumes (i)
Name	Nodejs_server	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Add another tag

(Up to 50 tags maximum)

Cancel

Previous

Review and Launch

Next: Configure Security Group

```
ubuntu@ip-172-31-23-15: ~  
File Edit View Search Terminal Help  
Selecting previously unselected package libpython2.7-stdlib:amd64.  
Preparing to unpack .../3-libpython2.7-stdlib_2.7.15-4ubuntu4~18.04_amd64.deb ...  
Unpacking libpython2.7-stdlib:amd64 (2.7.15-4ubuntu4~18.04) ...  
Selecting previously unselected package python2.7.  
Preparing to unpack .../4-python2.7_2.7.15-4ubuntu4~18.04_amd64.deb ...  
Unpacking python2.7 (2.7.15-4ubuntu4~18.04) ...  
Selecting previously unselected package libpython-stdlib:amd64.  
Preparing to unpack .../5-libpython-stdlib_2.7.15-rc1-1_amd64.deb ...  
Unpacking libpython-stdlib:amd64 (2.7.15-rc1-1) ...  
Setting up libpython2.7-minimal:amd64 (2.7.15-4ubuntu4~18.04) ...  
Setting up python2.7-minimal (2.7.15-4ubuntu4~18.04) ...  
Linking and byte-compiling packages for runtime python2.7...  
Setting up python-minimal (2.7.15-rc1-1) ...  
Selecting previously unselected package python.  
(Reading database ... 57322 files and directories currently installed.)  
Preparing to unpack .../python_2.7.15-rc1-1_amd64.deb ...  
Unpacking python (2.7.15-rc1-1) ...  
Selecting previously unselected package nodejs.  
Preparing to unpack .../nodejs_12.4.0-1nodesource1_amd64.deb ...  
Unpacking nodejs (12.4.0-1nodesource1) ...  
Processing triggers for mime-support (3.60ubuntu1) ...  
Setting up nodejs (12.4.0-1nodesource1) ...  
Processing triggers for man-db (2.8.3-2ubuntu0.1) ...  
Setting up libpython2.7-stdlib:amd64 (2.7.15-4ubuntu4~18.04) ...  
Setting up python2.7 (2.7.15-4ubuntu4~18.04) ...  
Setting up libpython-stdlib:amd64 (2.7.15-rc1-1) ...  
Setting up python (2.7.15-rc1-1) ...  
v12.4.0  
ubuntu@ip-172-31-23-15:~$ node -v  
v12.4.0  
ubuntu@ip-172-31-23-15:~$
```

```
ubuntu@ip-172-31-23-15: ~/node-basics
File Edit View Search Terminal Help
server is running on port 3000
Mongoose Connection Error: Error: connect ECONNREFUSED 127.0.0.1:27017
    at TCPConnectWrap.afterConnect [as oncomplete] (net.js:1054:14) {
  errno: 'ECONNREFUSED',
  code: 'ECONNREFUSED',
  syscall: 'connect',
  address: '127.0.0.1',
  port: 27017
}
^C
ubuntu@ip-172-31-23-15:~/node-basics$ ^C
ubuntu@ip-172-31-23-15:~/node-basics$ ^C
ubuntu@ip-172-31-23-15:~/node-basics$ git pull origin master
remote: Counting objects: 3, done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 3 (delta 2), reused 0 (delta 0)
Unpacking objects: 100% (3/3), done.
From https://bitbucket.org/aemwaqas60/node-basics
* branch      master      -> FETCH_HEAD
   ba4f828..018c84d master  -> origin/master
Updating ba4f828..018c84d
Fast-forward
 app.js | 4 +++-
 1 file changed, 2 insertions(+), 2 deletions(-)
ubuntu@ip-172-31-23-15:~/node-basics$ node app.js
Morgan Enabled....
Application name: My Express App - Development
Mail server name: Development-mail-sever
server is running on port 3000
```

aws

Services Resource Groups

muhammad waqas Oregon Support

EC2 Dashboard

Launch Instance Connect Actions

Filter by tags and attributes or search by keyword

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4 Public IP	IPv6 IPs	Key Name
Nodejs_server	i-0b0c7a5bb19ef1f6a	t2.micro	us-west-2b	running	2/2 checks ...	None	ec2-54-202-120-146.us...	54.202.120.146	-	Nodejs_se

Instance: i-0b0c7a5bb19ef1f6a (Nodejs\_server) Public DNS: ec2-54-202-120-146.us-west-2.compute.amazonaws.com

Description

Status Checks

Monitoring

Tags

Instance ID	i-0b0c7a5bb19ef1f6a	Public DNS (IPv4)	ec2-54-202-120-146.us-west-2.compute.amazonaws.com
Instance state	running	IPv4 Public IP	54.202.120.146
Instance type	t2.micro	IPv6 IPs	-
Elastic IPs	-	Private DNS	ip-172-31-23-15.us-west-2.compute.internal
Availability zone	us-west-2b	Private IPs	172.31.23.15
Security groups	launch-wizard-2, view inbound rules, view outbound rules	Secondary private IPs	-
Scheduled events	No scheduled events	VPC ID	vpc-4599d20
AMI ID	ubuntu/images/hvm-ssd/ubuntu-bionic-18.04-amd64-server-20190212.1 (ami-006b0009b00e791)	Subnet ID	subnet-f8c8a9d
Platform	-	Network interfaces	eth0
IAM role	-	Source/dest. check	True
Key pair name	Nodejs_server_key_pair	T2/T3 Unlimited	Disabled
Owner	908490007916	EBS-optimized	False
Launch time	June 24, 2019 at 4:39:59 PM UTC+5 (6 hours)	Root device type	ebs

Feedback English (US)

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This is first message using pug view engine

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Support ▾

1. Choose AMI

2. Choose Instance Type

3. Configure Instance

4. Add Storage

5. Add Tags

6. Configure Security Group

7. Review

Step 6: Configure Security Group

A security group is a set of firewall rules that control the traffic for your instance. On this page, you can add rules to allow specific traffic to reach your instance. For example, if you want to set up a web server and allow Internet traffic to reach your instance, add rules that allow unrestricted access to the HTTP and HTTPS ports. You can create a new security group or select from an existing one below. [Learn more](#) about Amazon EC2 security groups.

Assign a security group:

Ⓐ Create a new security group

Ⓑ Select an existing security group

Security group name:

launch-wizard-2

Description:

launch-wizard-2 created 2019-06-24T16:33:12.242+05:00

Type ⓘ	Protocol ⓘ	Port Range ⓘ	Source ⓘ	Description ⓘ	
SSH ▾	TCP	22	Custom ▾ 0.0.0.0/0	e.g. SSH for Admin Desktop	✕
HTTP ▾	TCP	80	Custom ▾ 0.0.0.0/0, ::0	e.g. SSH for Admin Desktop	✕
HTTPS ▾	TCP	443	Custom ▾ 0.0.0.0/0, ::0	e.g. SSH for Admin Desktop	✕

Add Rule

⚠ Warning

Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

Cancel

Previous

Review and Launch



aws

Services

Resource Groups

muhammad waqas

Origin

Support

1. Choose AMI

2. Choose Instance Type

3. Configure Instance

4. Add Storage

5. Add Tags

6. Configure Security Group

7. Review

### Step 7: Review Instance Launch

Please review your instance launch details. You can go back to edit changes for each section. Click **Launch** to assign a key pair to your instance and complete the launch process.

⚠️

**Improve your instances' security.** Your security group, `launch-wizard-2`, is open to the world.

Your instances may be accessible from any IP address. We recommend that you update your security group rules to allow access from known IP addresses only. You can also open additional ports in your security group to facilitate access to the application or service you're running, e.g., HTTP (80) for web servers. [Edit security groups](#)

AMI Details

Free tier eligible

Ubuntu Server 18.04 LTS (HVM), SSD Volume Type - ami-005bdb005fb00e791

Ubuntu Server 18.04 LTS (HVM),EBS General Purpose (SSD) Volume Type. Support available from Canonical (<http://www.ubuntu.com/cloud/services>).

Real Device Type: etfs Virtualization type: hvm

Edit AMI

Instance Type

Instance Type	ECUs	VCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance
t2.micro	Variable	1	1	EBS only	-	Low to Moderate

Edit instance type

Security Groups

Security group name

launch-wizard-2

Description

launch-wizard-2 created 2019-06-24T10:33:12.242+05:00

Type	Protocol	Port Range	Source	Description
SSH	TCP	22	0.0.0.0/0	
HTTP	TCP	80	0.0.0.0/0	
HTTP	TCP	80	:::0	
HTTPS	TCP	443	0.0.0.0/0	
HTTPS	TCP	443	:::0	

Edit security groups

Cancel

Previous

Launch

```

ubuntu@ip-172-31-23-15: ~/node-basics
File Edit View Search Terminal Help
checkout Switch branches or restore working tree files
commit Record changes to the repository
diff Show changes between commits, commit and working tree, etc
merge Join two or more development histories together
rebase Reapply commits on top of another base tip
tag Create, list, delete or verify a tag object signed with GPG

collaborate (see also: git help workflows)
fetch Download objects and refs from another repository
pull Fetch from and integrate with another repository or a local branch
push Update remote refs along with associated objects

'git help -a' and 'git help -g' list available subcommands and some
concept guides. See 'git help <command>' or 'git help <concept>'
to read about a specific subcommand or concept.
ubuntu@ip-172-31-23-15:~$ git clone https://aemwaqas60@bitbucket.org/aemwaqas60/node-basics.git
Cloning into 'node-basics'...
Password for 'https://aemwaqas60@bitbucket.org':
ubuntu@ip-172-31-23-15:~$ ^C
ubuntu@ip-172-31-23-15:~$ ^C
ubuntu@ip-172-31-23-15:~$ git clone https://aemwaqas60@bitbucket.org/aemwaqas60/node-basics.git
Cloning into 'node-basics'...
remote: Counting objects: 53, done.
remote: Compressing objects: 100% (45/45), done.
remote: Total 53 (delta 7), reused 0 (delta 0)
Unpacking objects: 100% (53/53), done.
ubuntu@ip-172-31-23-15:~$ cd node-basics/
ubuntu@ip-172-31-23-15:~/node-basics$ ls
Events.js app.js config controllers middleware models package-lock.json package.json public routes views
ubuntu@ip-172-31-23-15:~/node-basics$

```