

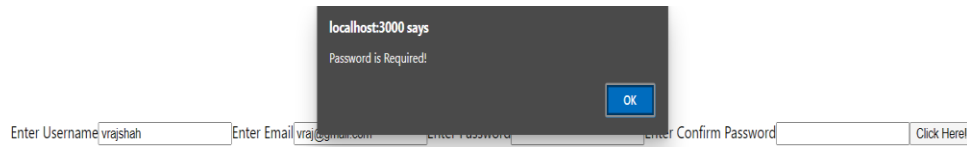
CE377 – Advanced Web Technology Assignment

Student ID: 19CE138

Student Name: Vraj Shah

Assignment 1: React Form Handling

GitHub Link: <https://github.com/vraj0112/Advanced-Web-Technologies/tree/main/react-form-handling>

Screenshot:

Assignment 2: Create Profile page with proper validation and form-control for following information using NodeJs and Bootstrap only.

- First Name and Last name
- Email-id
- Mobile Number
- Date of Birth
- Gender
- Address
- Select Institute
- Select Department
- Select Semester

Display all information in HTML Table.


GitHub Link: <https://github.com/vraj0112/Advanced-Web-Technologies/tree/main/profile-page-node-bootstrap>

Screenshot:

Profile Page


First Name* : Last Name* :

Mobile No.* :

Birth Date* : 

Gender* : ☒ Male ☐ Female

Address* :



Institute : Department : Semester :

Profile Information

Information	
First Name	Vraj
Last Name	Shah
Mobile Number	1234567890
Birth Date	2001-12-01
Gender	male
Address	Ahmedabad
Institute	CSPIT
Department	CE
Semester	5th

Assignment 3: Create Signin and Signup page layout using Handlebars.

GitHub Link: <https://github.com/vraj0112/Advanced-Web-Technologies/tree/main/handlebars-demo>

Screenshot:

The image displays two screenshots of a web application interface. The top screenshot shows the Signin page with a header bar containing 'Sign In' and 'Sign Up' links. Below the header, there are input fields for 'Username' (containing 'Vraj Shah') and 'Password' (masked with dots). A blue 'Sign In' button is positioned below the password field. The bottom section of the top screenshot shows a footer bar with the text 'Copyright © 2021: CHARUSAT'. The bottom screenshot shows the Signup page with a similar header bar. It includes input fields for 'Username' (containing 'Vraj Shah'), 'Password' (masked with dots), and 'Confirm Password' (masked with dots). A blue 'Sign Up' button is located below the 'Confirm Password' field. The footer bar at the bottom of the bottom screenshot also displays 'Copyright © 2021: CHARUSAT'.

Assignment 4: To retrieve records from MySQL and display it on console.

GitHub Link: <https://github.com/vraj0112/Advanced-Web-Technologies/tree/main/nodejs-mysql>

Screenshot:

```
RowDataPacket {
  studentID: '102',
  fname: 'Mrugendra',
  lname: 'Rahevar',
  mobileNo: '123456789'
},
RowDataPacket {
  studentID: '103',
  fname: 'Martin',
  lname: 'Parmar',
  mobileNo: '123456789'
},
RowDataPacket {
  studentID: '104',
  fname: 'Vraj',
  lname: 'Shah',
  mobileNo: '123456789'
}
```

Assignment 5:

Task 1: Using Handlebar, create HTML page that contains following information

1. Subject-Code, Subject-Name (Text-box)
2. Institute-Name (Text-box)
3. Department-Name (Text-box)
4. Semester (Dropdown)

Task 2: Store above information in MySQL database and Display

GitHub Link: <https://github.com/vraj0112/Advanced-Web-Technologies/tree/main/nodejs-db-operation>

Screenshot:

Courses's Portal Home Show

Add Details

Subject Code: CE377

Subject Name: Advanced Web Technology

Institute Name: CSPIT

Department Name: CE

Semester: 5th

Insert

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Courses's Portal Home Show

Show Details

Subject Code	Subject Name	Institute Name	Department Name	Semester
CE377	AWT	CSPIT	CE	5th
CE354	OS	CSPIT	CE	5th
CE355	DAA	CSPIT	CE	5th
CE343	SE	CSPIT	CE	5th
CE377	Advanced Web Technology	CSPIT	CE	5th

Copyrighted by Charusat.

Assignment 6:

Task: Create html form using bootstrap with following information

1. Course-id, Course Name [text box]
2. Department Name [Radio Button]
3. Institute Name [Check Box]
4. University Name [Drop Down]

Display all Record into dynamic table with edit and delete operation.

GitHub Link: <https://github.com/vraj0112/Advanced-Web-Technologies/tree/main/bootstrap-express-mysql>

Screenshot:

Add Course Details

Course Id

Course Name

Department Name ☐ CSE ☐ CE ☐ IT

Institute Name ☐ CSPIT ☐ DEPSTAR

University Name

Add

Manage Course Details

ID	Course Id	Course Name	Department Name	Institute Name	University Name	Date Added	Edit	Delete
1	CE377	AWT	CE	CSPIT, DEPSTAR	CHARUSAT	9/25/2021, 12:00:00 AM	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
2	CE355	DAA	CSE	CSPIT	Nirma	9/25/2021, 12:00:00 AM	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
3	CE354	OS	IT	DEPSTAR	DAIICT	9/25/2021, 12:00:00 AM	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>

Edit Course

Edit Course Details

Course Id

Course Name

Department Name ☒ CSE ☐ CE ☐ IT

Institute Name ☒ CSPIT ☐ DEPSTAR

University Name

Update

Manage Course Details

ID	Course Id	Course Name	Department Name	Institute Name	University Name	Date Added	Edit	Delete
1	AWT	CE111	CSE	CSPIT	DAIICT	9/25/2021, 12:00:00 AM	Edit	Delete
2	CE355	DAA	CSE	CSPIT	Nirma	9/25/2021, 12:00:00 AM	Edit	Delete
3	CE354	OS	IT	DEPSTAR	DAIICT	9/25/2021, 12:00:00 AM	Edit	Delete

Delete Course**Manage Course Details**

ID	Course Id	Course Name	Department Name	Institute Name	University Name	Date Added	Edit	Delete
1	AWT	CE111	CSE	CSPIT	DAIICT	9/25/2021, 12:00:00 AM	Edit	Delete
2	CE355	DAA	CSE	CSPIT	Nirma	9/25/2021, 12:00:00 AM	Edit	Delete

Assignment 7: create Database REST API for login application

- post('/signup') route create user in to database(Mysql or MongoDB)
- Use salt and hashing concept to secure password.
- get('/login/') route verify credential with database and display success or failure message in the console.

GitHub Link: <https://github.com/vraj0112/Advanced-Web-Technologies/tree/main/login-application>

Screenshot:**/signup**

The screenshot shows a REST client interface for a POST request to `http://localhost:4000/signup`. The request body is a JSON object: `{ "name": "Vraj Shah", "email": "vraj2001@gmail.com", "password": "vraj_shah" }`. The response status is 200 OK, and the response body is a JSON object: `{ "err": false, "msg": "Successfully signed up." }`.

```
1 {
2   "name": "Vraj Shah",
3   "email": "vraj2001@gmail.com",
4   "password": "vraj_shah"
5 }
```

```
1 {
2   "err": false,
3   "msg": "Successfully signed up."
4 }
```

/login

The screenshot shows a REST client interface for a GET request to `http://localhost:4000/login`. The request body is a JSON object: `{ "email": "vraj2001@gmail.com", "password": "vraj_shah" }`. The response status is 200 OK, and the response body is a JSON object: `{ "err": false, "data": { "_id": "6169645516c5ea87e3874668", "name": "Vraj Shah", "email": "vraj2001@gmail.com", "hashed_password": "$2b$10$pwa8SaZxj0y9g0xwC.ymg.wUfT8hYS1MtSxUdUSQ9W9q30Wsw14w", "__v": 0 }, "msg": "Successfully logged in." }`.

```
1 {
2   "email": "vraj2001@gmail.com",
3   "password": "vraj_shah"
4 }
```

```
1 {
2   "err": false,
3   "data": {
4     "_id": "6169645516c5ea87e3874668",
5     "name": "Vraj Shah",
6     "email": "vraj2001@gmail.com",
7     "hashed_password": "$2b$10$pwa8SaZxj0y9g0xwC.ymg.wUfT8hYS1MtSxUdUSQ9W9q30Wsw14w",
8     "__v": 0
9   },
10  "msg": "Successfully logged in."
11 }
```