

## Let's build a full React + Bootstrap project

with a **modular folder structure** using `Header.js` for Navbar, `Footer.js` for Footer, and separate pages (Home, About, Courses, Contact).

**step-by-step guide** including the **folder structure**, all files, and code.

---

### Step 1: Create React App

```
npx create-react-app website
cd website
```

---

### Step 2: Install Dependencies

```
npm install bootstrap react-router-dom
```

---

### Step 3: Import Bootstrap CSS

In `src/index.js`:

```
import 'bootstrap/dist/css/bootstrap.min.css';
import React from 'react';
import ReactDOM from 'react-dom/client';
import App from './App';

const root = ReactDOM.createRoot(document.getElementById('root'));
root.render(
  <React.StrictMode>
    <App />
  </React.StrictMode>
);
```

---

## Step 4: Project Folder Structure

Here's the recommended structure:

```
website/
├── node_modules/
├── public/
├── src/
│   ├── components/
│   │   ├── Header.js
│   │   └── Footer.js
│   ├── pages/
│   │   ├── Home.js
│   │   ├── About.js
│   │   ├── Courses.js
│   │   └── Contact.js
│   ├── App.js
│   └── index.js
├── package.json
└── README.md
```

---

## Step 5: Create Components

### components/Header.js :-

```
// src/components/Header.js
import React from 'react';
import { Link } from 'react-router-dom';

function Header() {
  return (
    <nav className="navbar navbar-expand-lg navbar-dark bg-dark">
      <div className="container">
        <Link className="navbar-brand" to="/">MyWebsite</Link>
        <button
          className="navbar-toggler"
          type="button"
          data-bs-toggle="collapse"
          data-bs-target="#navbarNav"
        >
          <span className="navbar-toggler-icon"></span>
        </button>
        <div className="collapse navbar-collapse" id="navbarNav">
          <ul className="navbar-nav ms-auto">
            <li className="nav-item">
              <Link className="nav-link" to="/">Home</Link>
            </li>
            <li className="nav-item">
              <Link className="nav-link" to="/about">About</Link>
            </li>
            <li className="nav-item">
              <Link className="nav-link" to="/courses">Courses</Link>
            </li>
          </ul>
        </div>
      </div>
    </nav>
  );
}
```

```
        </li>
        <li className="nav-item">
          <Link className="nav-link" to="/contact">Contact Us</Link>
        </li>
      </ul>
    </div>
  </div>
</nav>
);
}

export default Header;
```

---

### **components/Footer.js file code:-**

```
// src/components/Footer.js
import React from 'react';

function Footer() {
  return (
    <footer className="bg-dark text-white text-center p-3 mt-5">
      &copy; 2025 MyWebsite. All rights reserved.
    </footer>
  );
}

export default Footer;
```

---

## **Step 6: Create Pages**

### **pages/Home.js**

```
// src/pages/Home.js
import React from 'react';

function Home() {
  return (
    <div className="container mt-5">
      <h2>Home Page</h2>
      <p>Welcome to MyWebsite!</p>
    </div>
  );
}

export default Home;
```

## pages/About.js

```
// src/pages/About.js
import React from 'react';

function About() {
  return (
    <div className="container mt-5">
      <h2>About Us</h2>
      <p>This is the about page of our website.</p>
    </div>
  );
}

export default About;
```

## pages/Courses.js

```
// src/pages/Courses.js
import React from 'react';

function Courses() {
  return (
    <div className="container mt-5">
      <h2>Our Courses</h2>
      <p>Here are some courses we offer.</p>
    </div>
  );
}

export default Courses;
```

## pages/Contact.js

```
// src/pages/Contact.js
import React from 'react';

function Contact() {
  return (
    <div className="container mt-5">
      <h2>Contact Us</h2>
      <p>You can reach us at contact@mywebsite.com.</p>
    </div>
  );
}

export default Contact;
```

---

## Step 7: Setup App.js with Routing

```
// src/App.js
import React from 'react';
import { BrowserRouter as Router, Routes, Route } from 'react-router-dom';

import Header from './components/Header';
import Footer from './components/Footer';

import Home from './pages/Home';
import About from './pages/About';
import Courses from './pages/Courses';
import Contact from './pages/Contact';

function App() {
  return (
    <Router>
      <Header />

      <Routes>
        <Route path="/" element={<Home />} />
        <Route path="/about" element={<About />} />
        <Route path="/courses" element={<Courses />} />
        <Route path="/contact" element={<Contact />} />
      </Routes>

      <Footer />
    </Router>
  );
}

export default App;
```

---

## Step 8: Run the App

```
npm start
```

Now change your Footer.js file code:-

```
// src/components/Footer.js

import React from 'react';

function Footer() {

  return (

    <footer className="bg-dark text-white pt-5 pb-3 mt-5">

      <div className="container">

        <div className="row">

          {/* Column 1: Contact */}

          <div className="col-md-3 mb-3">

            <h5>Contact</h5>

            <p>Phone: +1 234 567 890</p>

            <p>Fax: +1 234 567 891</p>

          </div>

          {/* Column 2: Address */}

          <div className="col-md-3 mb-3">

            <h5>Address</h5>

            <p>123 Main Street</p>

            <p>City, State, 12345</p>

            <p>Country</p>

          </div>

        </div>

      </div>

    </footer>

  );
}
```

```
{/* Column 3: Email */}
```

```
<div className="col-md-3 mb-3">
```

```
<h5>Email</h5>
```

```
<p>info@mywebsite.com</p>
```

```
<p>support@mywebsite.com</p>
```

```
</div>
```

```
{/* Column 4: Quick Links */}
```

```
<div className="col-md-3 mb-3">
```

```
<h5>Quick Links</h5>
```

```
<ul className="list-unstyled">
```

```
<li><a href="/" className="text-white text-decoration-none">Home</a></li>
```

```
<li><a href="/about" className="text-white text-decoration-none">About</a></li>
```

```
<li><a href="/courses" className="text-white text-decoration-none">Courses</a></li>
```

```
<li><a href="/contact" className="text-white text-decoration-none">Contact</a></li>
```

```
</ul>
```

```
</div>
```

```
</div>
```

```
<hr className="bg-white" />
```

```
<p className="text-center mb-0">&copy; 2025 MyWebsite. All rights reserved.</p>
```

```
</div>
```

```
</footer>

);

}
```

```
export default Footer;
```

and change your Home.js file code:-

```
// src/pages/Home.js

import React from 'react';

function Home() {

  const courses = [

    { title: "HTML Course", description: "Learn the basics of HTML and structure web pages." },

    { title: "CSS Course", description: "Style your websites using CSS." },

    { title: "Python Course", description: "Learn Python programming from scratch." },

    { title: "MySQL Course", description: "Understand databases and SQL queries." },

    { title: "MERN Stack Course", description: "Full stack development using MongoDB, Express, React, Node.js." },

    { title: "MS Office Course", description: "Master Microsoft Word, Excel, PowerPoint and more." },

  ];

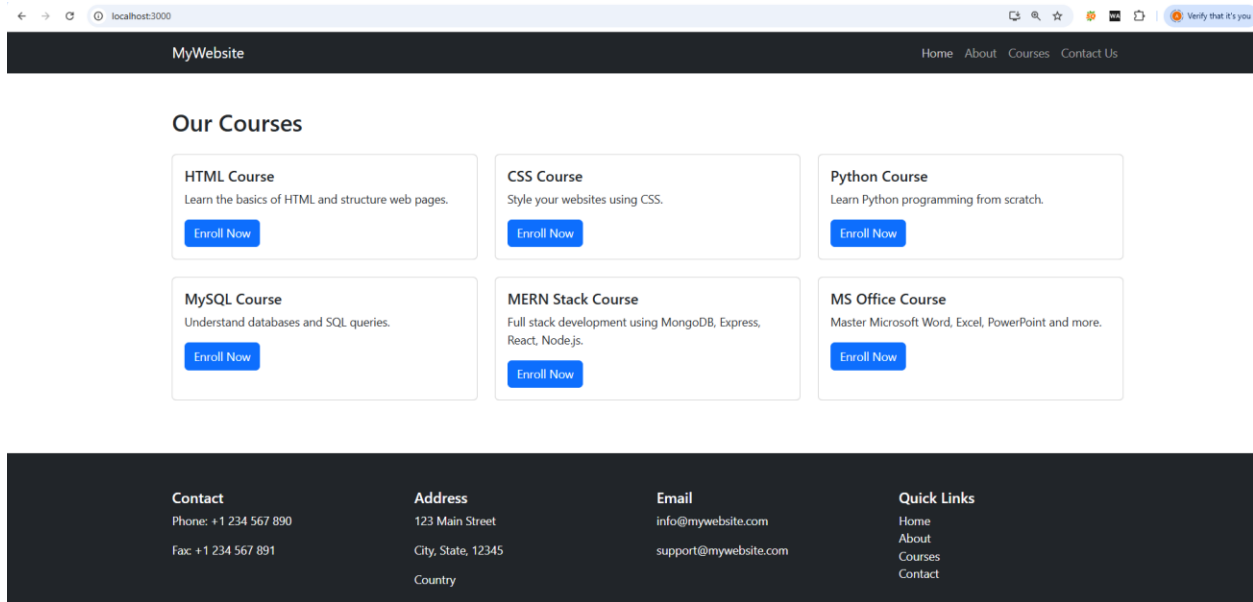
  return (

    <div className="container mt-5">

      <h2 className="mb-4">Our Courses</h2>

      <div className="row">
```





Now how to display images in your website pages in react js :-

Let's update your **About.js** page to include an **image** along with some text. I'll show a **Bootstrap-friendly layout** with the image on the left and text on the right (responsive for mobile).

---

## Step 1: Add an Image

You can put your image in the `src/assets/` folder. For example:-

```
src/  
├── assets/  
│   └── about-us.jpg
```

**src/pages/About.js:-**

```
import React from 'react';
```

```
import aboutImage from '../assets/about-us.jpg';
```

```
function About() {
```

```
  return (
```

```
    <div className="container mt-5">
```

```
      <div className="row">
```

```
        { /* Image Column */ }
```

```
        <div className="col-md-6 mb-4">
```

```
          <img
```

```
            src={aboutImage}
```

```
            alt="About Us"
```

```
            className="img-fluid rounded shadow"
```

```
            style={{ maxWidth: '400px', height: 'auto', objectFit: 'cover' }}
```

```
          />
```

```
        </div>
```

```
        { /* Text Column */ }
```

```
        <div className="col-md-6 mb-4">
```

```
          <h1>BECOME AN IT PROFESSIONAL</h1>
```

```
          <p>
```

```
            Welcome to MyWebsite! We are dedicated to providing the best courses
```

to help you improve your skills and grow in your career. Our team of experienced instructors ensures you get practical knowledge that you can apply immediately.

</p>

<p>

Our mission is to empower learners with the tools and knowledge they need to succeed in the digital world. Join us and take your skills to the next level!

</p>

</div>

</div>

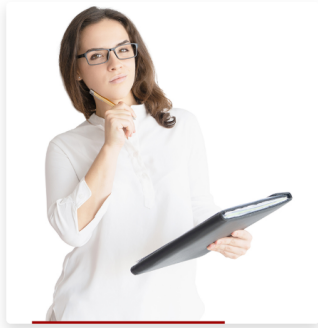
</div>

);

}

export default About;

output will be like this :-



## BECOME AN IT PROFESSIONAL

Welcome to MyWebsite! We are dedicated to providing the best courses to help you improve your skills and grow in your career. Our team of experienced instructors ensures you get practical knowledge that you can apply immediately.

Our mission is to empower learners with the tools and knowledge they need to succeed in the digital world. Join us and take your skills to the next level!

### Contact

Phone: +1 234 567 890

Fax: +1 234 567 891

### Address

123 Main Street

City, State, 12345

Country

### Email

[info@mywebsite.com](mailto:info@mywebsite.com)

[support@mywebsite.com](mailto:support@mywebsite.com)

### Quick Links

[Home](#)

[About](#)

[Courses](#)

[Contact](#)