

09-01-2024

ReactJs

MERN

M - MongoDB

Sql No sql

Mysql MongoDB , firebase

Oracle

E - Express.js backend

R - React.Js (FrontEnd)

N - NodeJs (BackEnd)

React.js

React.js is a library of JavaScript. It is developed by Facebook. It was developed by Jordan Walke 2013.

Feature of react.js

1. React.js is a single page application.
2. High security.
3. Component based.
4. Pre-build structure.

How to use Reactjs

1. Install node.js <https://nodejs.org/en/download/>
2. How to check node js install or not (open cmd and type node -v)
3. Install reactjs globally (open cmd and type npm i / install -g create-react-app)
4. Install reactjs project (npx create-react-app appName)
Note no any space and capital letter in app name but you can use underscore or hyphen

npx create-react-app first

Meeting id

<https://meet.goto.com/699868909>

How to start your project.

npm start

Components

1. Functional component

a. Normal function

Syntax:

```
function funName(){  
    Code here –  
}
```

1. Function declaration (FunName)

2. Function definition

3. Function calling

Note first letter of the function will always be capital letter.

```
import React from 'react';  
import './App.css';  
  
function App() {  
    return (  
        <div className="App">  
            <First />  
        </div>  
    );  
}  
  
function First(){  
    return(  
        <div>  
            <h1>Hello ReactJs</h1>  
        </div>  
    )  
}  
  
export default App;
```

Create 10 diff components and print messages.

Personal information

Create a table and print 10 student records.

Create a form

Create list tag and print rules and regulations

Create marquee tags and print notices.

b. Arrow function

Syntax:

```
const funName = () =>{
```

Code here—

```
}
```

2. Class component

```
Function abc(){
```

```
Function cde(){
```

```
}
```

```
}
```

```
Class a {
```

```
Function a(){
```

```
}
```

```
Function a(){
```

```
}
```

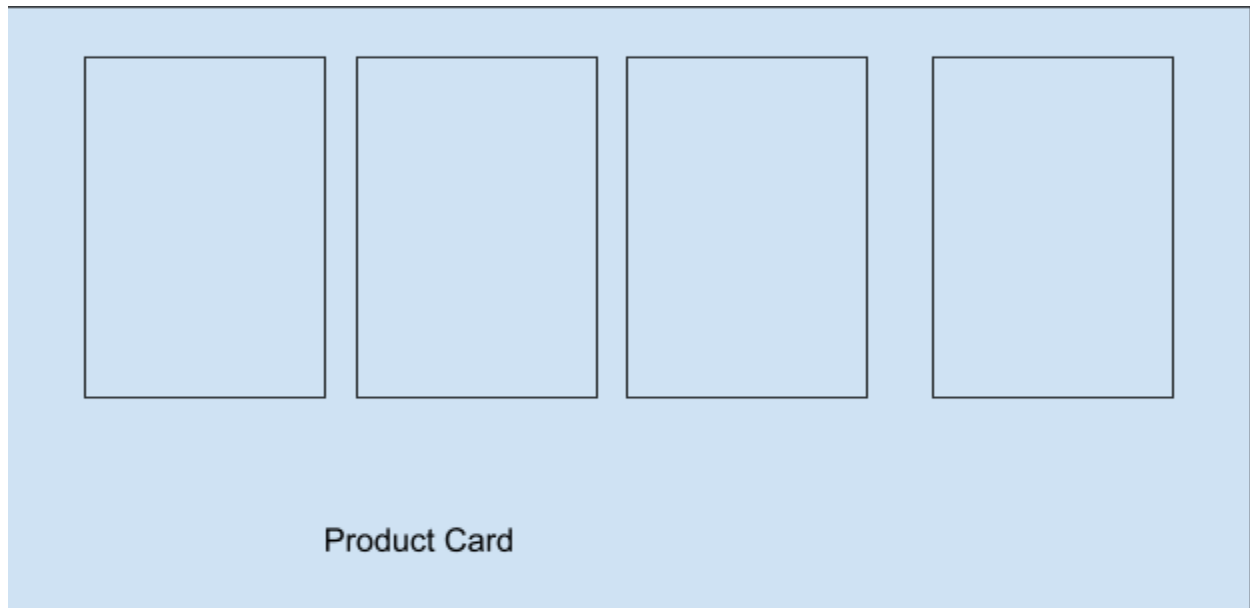
```
}
```

Core language

Framework language

Library language

11-01-2024



11-01-2023

Functional component

Internal function

Create a folder in src

Create a file with .jsx extension

File name first letter of the file will always capital.

File name and function name will same.

```
<>  
  
</>
```

React fragment.

- **Create 10 external components and print any message.**

First.jsx

```
import React from "react";
```

```
const First = () =>{
  return(
    <>
      <h1>Hello From External Components</h1>
    </>
  )
}

const Second = () =>{
  return(
    <>
      <h1>Hello Second</h1>
    </>
  )
}

export {First, Second}
```

App.js

```
import React from 'react';
import {First, Second} from './components/First';

function App() {
  return (
    <div className="App">
      <First />
      <Second />
    </div>
  );
}

export default App;
```

Components

Type of components

Internal component

External component

Default

Class components.

```
import React from "react";

class First extends React.Component {
  render() {
    return(
      <>
        <h1>jhfhjnmj</h1>
      </>
    )
  }
}

export default First
```

Css

1. Inline css

```
import React from "react";

const First = () => {
  return(
    <>
      <h1 style={{color:'red', backgroundColor:'green',
textAlign:'center'}}>Hello From React Components</h1>
    </>
  )
}

export default First
```

2. Internal css

```
import React from "react";

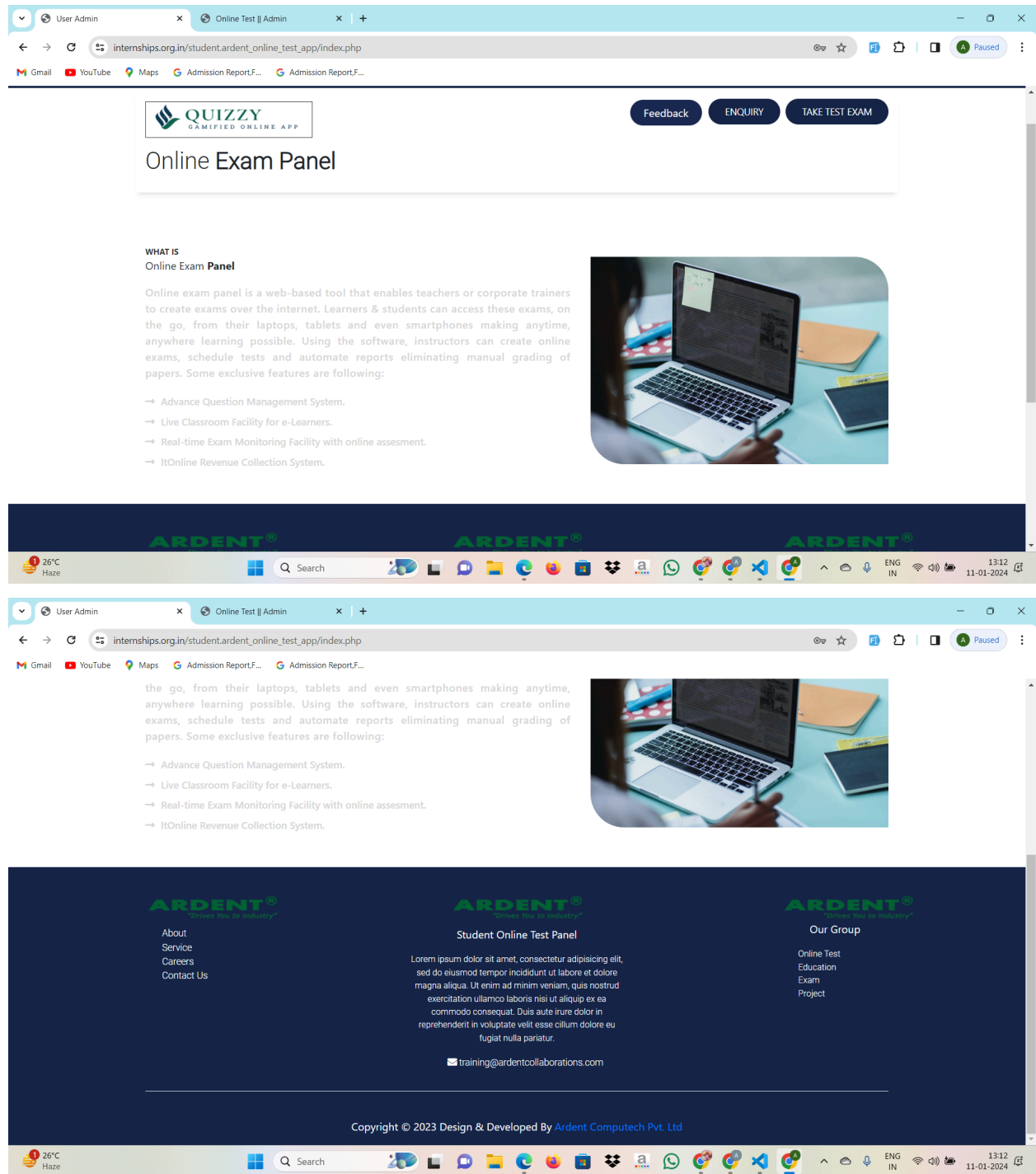
const cssStyle = {
  color: 'red',
  backgroundColor: 'pink',
  fontFamily: 'sans-serif'
}

const First = () => {
  return(
    <>
      <h1 style={cssStyle}>Hello From React Components</h1>
    </>
  )
}

export default First
```

3. External

1. Diff between normal function and arrow function.
2. Functional and class components.
3. Diff. between .js and .jsx



16-01-2024

1. Bootstrap

How to use bootstrap

Link cdn with your application.

```
import React from 'react';

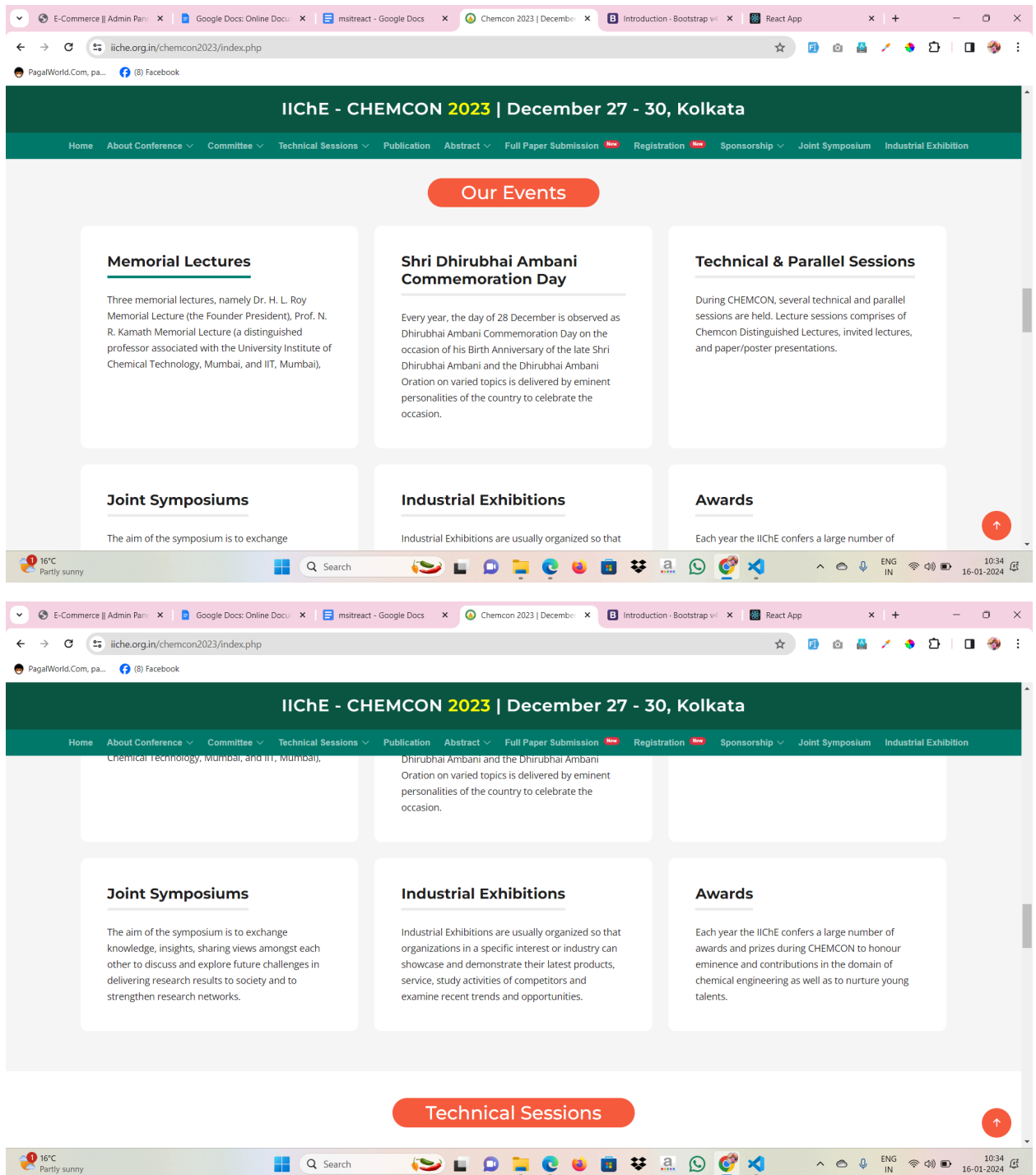
const Boots = () =>{
  return(
    <>
      <div className='container-fluid'>
        <div className='row'>
          <div className='col-lg-1 col-md-6 col-sm-12'
first'></div>
          <div className='col-lg-1 col-md-6 col-sm-12'
sec'></div>
          <div className='col-lg-1 col-md-6 col-sm-12'
first'></div>
          <div className='col-lg-1 col-md-6 col-sm-12'
sec'></div>
          <div className='col-lg-1 col-md-6 col-sm-12'
first'></div>
          <div className='col-lg-1 col-md-6 col-sm-12'
sec'></div>
          <div className='col-lg-1 col-md-6 col-sm-12'
first'></div>
          <div className='col-lg-1 col-md-6 col-sm-12'
sec'></div>
          <div className='col-lg-1 col-md-6 col-sm-12'
first'></div>
          <div className='col-lg-1 col-md-6 col-sm-12'
sec'></div>
          <div className='col-lg-1 col-md-6 col-sm-12'
first'></div>
          <div className='col-lg-1 col-md-6 col-sm-12'
sec'></div>
        </div>
      </div>
    </>
  )
}
```

```
export default Boots
```

```
import React from 'react';
import './App.css';
import Boots from './components/Boots';

function App() {
  return (
    <div className="App">
      <Boots />
    </div>
  );
}

export default App;
```



2. Router

How to use router

- Install (`npm install react-router-dom`)
- Import and use.

```

import React from "react";
import { NavLink } from "react-router-dom";

const Menu = () =>{
  return(
    <>
      <div className="container-fluid">
        <div className="row">
          <div className="col-12 menu">
            <nav>
              <ul>
                <li><NavLink to={'/'}>
className={'name'}>Home</NavLink></li>
                <li><NavLink to={'/About'}>
className={'name'}>About Us</NavLink></li>
                <li><NavLink to={' '}>
className={'name'}>Gallery</NavLink></li>
                <li><NavLink to={' '}>
className={'name'}>Rules & Regulation</NavLink></li>
                <li><NavLink to={' '}>
className={'name'}>Admission</NavLink></li>
                <li><NavLink to={' '}>
className={'name'}>Contact Us</NavLink></li>
              </ul>
            </nav>
          </div>
        </div>
      </div>
    </>
  )
}

export default Menu

```

```

import React from 'react';
import './App.css';
import { BrowserRouter, Routes, Route } from 'react-router-dom';
import Menu from './components/Menu';
import About from './components/About';

```

```

function App() {
  return (
    <div className="App">
      <BrowserRouter>
        <Routes>
          <Route exact path="/" element={<Menu />}></Route>
          <Route exact path="/About" element={<About />}></Route>
        </Routes>
      </BrowserRouter>
    </div>
  );
}

export default App;

```

Css

```

body{
  margin: 0px;
  padding: 0px;
}
.menu{
  height: 60px;
  background-color: red;
  padding-top: 11px;
}
.menu nav ul li{
  display: inline-block;
}
.menu nav ul li .name{
  color: #fff;
  text-decoration: none;
  font-size: 22px;
  margin-left: 35px;
  padding: 3px 7px;
}

```

```
}  
.menu nav ul li .name:hover{  
  color: red;  
  background-color: #fff;  
  transition: all 2s;  
}
```

About.jsx

```
import React from "react";  
import Menu from "../Menu";  
  
const About = () =>{  
  return(  
    <>  
      <Menu />  
      <h1>Hello From About Page</h1>  
    </>  
  )  
}  
  
export default About
```

