H2 21BIT269D

## **Experiment 10**

<u>Aim:</u> Design an attractive Login and Registration form using Material-UI. Use Validations to validate the errors and prompt the errors on the webpage

1. In components folder, make Signup. js, and design the Registration page -

```
omponents > J5 SignUpjs > © Copyright
'import * as React from "react";
import Avatar from "@mui/material/Avatar";
import Button from "@mui/material/Button";
import CssBaseline from "@mui/material/CssBaseline";
import TextField from "@mui/material/TextField";
import FormControlLabel from "@mui/material/FormControlLabel";
import Checkbox from "@mui/material/Link";
import Grid from "@mui/material/Link";
import Box from "@mui/material/Grid";
import Box from "@mui/material/Box";
import Grid From @mux/material/Sox';
import Box from "@mui/material/Box';
import LockOutlinedIcon from "@mui/icons-material/LockOutlined";
import Typography from "@mui/material/Typography";
import Container from "@mui/material/Container";
import { createTheme, ThemeProvider } from "@mui/material/styles";
import { checkValidData } from ".../utils/validate";
 function Copyright(props) {
Typography
variant="body2"
color="text.secondary"
align="center"
{...props}
                  {"Copyright @ "}
<Link color="inherit" href="https://mui.com/">
                          Your Website
                    {new Date().getFullYear()}
const defaultTheme = createTheme():
export default function SignUp() {
   const [errormsg, setErrormsg] = React.useState(null);
     const firstName = React.useRef(null);
const lastName = React.useRef(null);
const email = React.useRef(null);
const password = React.useRef(null);
        onst handleButtonSubmit = () => {
  console.log(password);
  const msg = checkValidData(email.current.value, password.current.value);
  setErrormsg(msg);
 if mog,
};
const handleSubmit = (event) => {
    event.prevntDefault();
    const data = new FormData(event.currentTarget);
    console.log({
        email: data.get("email"),
        password: data.get("password"),
});
                    :Box
sx={{
  marginTop: 8,
  display: "flex",
  flexDirection: "column",
  alignItems: "center",
                                            raphy component="h1" variant="h5">
```

```
name="firstName
              required
              fullWidth
              id="firstName"
label="First Name"
        <Grid item xs={12} sm={6}>
            <TextField
  ref={lastName}</pre>
           fullWidth
id="lastName"
label="Last Name"
            name="lastName"
autoComplete="family-name"
            required
fullWidth
            id="email"
label="Email Address"
             name="email"
autoComplete="email"
        <Grid item xs={12}>
              fullWidth
              label="Password"
              type="password
     FormControlLabel
control={
      <Checkbox value="allowExtraEmails" color="primary" />
Button
type="submit"
fullWidth
variant="contained"
sx={{ mt: 3, mb: 2 }}
onClick=(handleButtonSubmit)
```

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1) Make the login page

2) Adding a validation feature to check the inputs of the user

3) Update the *App.js* 

```
90  import { useRef, useState } from "react";
91  import "./App.css";
92  import Login from "./Components/Login";
93
94  function App() {
95    return <Login />;
96  }
97
98  export default App;
99
```

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## **OUTPUT**

| <b>a</b>   |  |
|--|--|
| Sign up  |  |
| First Name * Last Name *   |  |
| Email Address *  |  |
| Password*  |  |
| I want to receive inspiration, marketing promotions and updates via email. |  |
| SIGN UP  |  |
| Already have an account? Sign in   |  |

## **Discussions:**

This experiment explores the integration of Material-UI components for aesthetically pleasing login and registration forms while implementing validation to provide realtime error feedback.