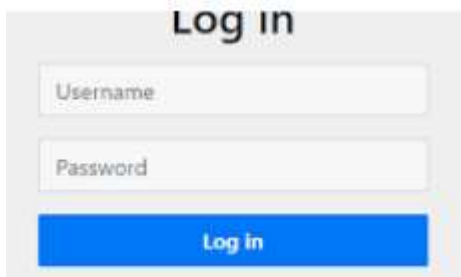# React Assignment:2

1. Apply the concept of conditional rendering, to display the Login Component if the user is not logged in, or display the NumberList component if he or she is logged in.

NumberList View

Login.js

```javascript
import React from "react";
import "bootstrap/dist/css/bootstrap.css";
import Form from "react-bootstrap/Form";
import Button from "react-bootstrap/Button";
import Card from "react-bootstrap/Card";
import Container from "react-bootstrap/Container";
import Row from "react-bootstrap/Row";
import Col from "react-bootstrap/Col";
const Login = (props) => {
  return (
    <div>
      <Container>
```

```jsx
          <Row className="justify-content-md-center mt-5">
            <Col xs={6} md={4}>
            </Col>
            <Col xs={6} md={4}>
              <Card>
                <Card.Body>
                  <Form>
                    <Form.Group className="mb-3" controlId="formBasicEmail">
                      <Form.Label>Username</Form.Label>
                      <Form.Control
                        type="text"
                        placeholder="Enter username"
                        value={props.username}
                        onChange={props.handleUsername}
                      />
                    </Form.Group>
                    <Form.Group className="mb-3" controlId="formBasicPassword">
                      <Form.Label>Password</Form.Label>
                      <Form.Control
                        type="text"
                        placeholder="Enter Password"
                        value={props.password}
                        onChange={props.handlePassword}
                      />
                    </Form.Group>
                    <Button
                      variant="primary"
                      type="button"
                      onClick={props.submit}
                    >
                      Submit
                    </Button>
                  </Form>
                </Card.Body>
              </Card>
            </Col>
            <Col xs={6} md={4}></Col>
          </Row>
        </Container>
      </div>
  );
};
export default Login;
```

User.js

```
import React from "react";
import ListItem from "./ListItem";

export default function User(props) {
  var numbers = [1, 2, 3, 4, 5];
  return (
    <div>
      <ul>
        {numbers.map((number) => (
          <ListItem key={number.toString()} value={number} />
        ))}
      </ul>
    </div>
  );
}
```

ListItem.js

```
export default function ListItem(props) {
    return <li>{props.value}</li>;
}
```

App.js

```
import React from 'react';
import './App.css';
import "bootstrap/dist/css/bootstrap.css";
import Login from './Login';
import User from './User';

class App extends React.Component {
  constructor(props){
    super(props);
    this.state={user:'',password:'',loggedin:false,error:''};
  }


  render(){
    if(this.state.loggedin){
      return(
        <div>
          <User />
```
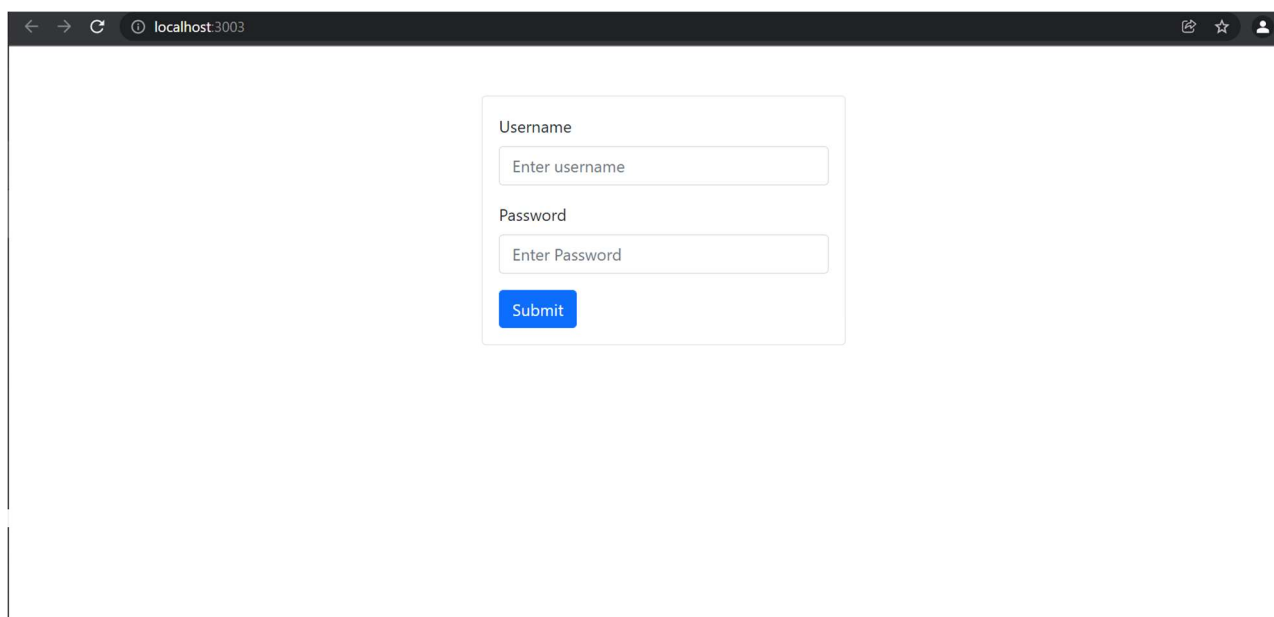
```
                <button onClick={()=>this.setState({loggedin:false})}>Logout</button>
        </div>
      );
    }else{
      return(
        <div>
          <Login username={this.state.user} password={this.state.password}
          error={this.state.error}
          handleUsername={(event)=>this.setState({user:event.target.value})}
          handlePassword={(event)=>this.setState({password:event.target.value})}
          submit={()=>{
            if(this.state.user==="user" && this.state.password==="pass" ){
              this.setState({loggedin:true});
            }
            else{
              this.setState({error:"Not a valid user"});
            }
          }} />
        </div>
      );
    }
  }
}

export default App;
```
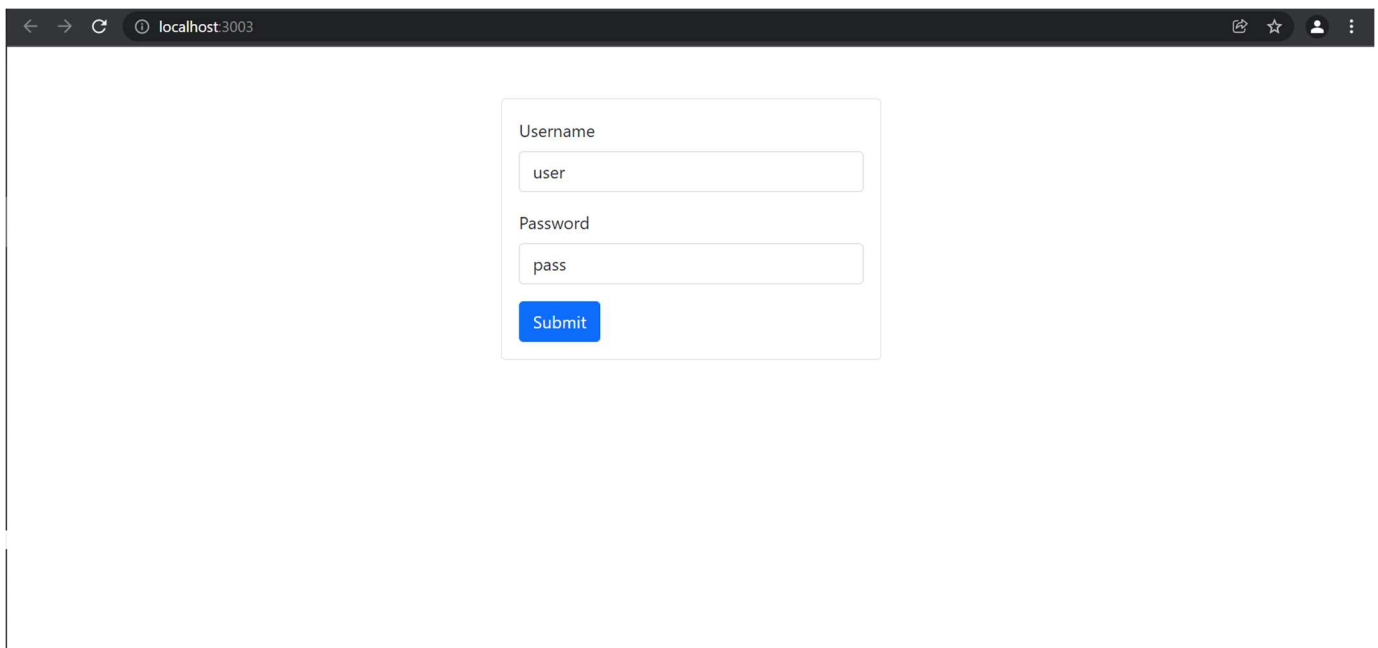
Output when user is not yet logged in:

Output when user is logged in:

Output when user has logged out:

2. **Create a UI for the below State data. Create Component named TableRow that accepts state data as the props and renders each item as as a Table Row.**

   this.state = {

```
data:

[

  {

    "id":1,

    "name":"Foo",

    "age":"20"

  },

  {

    "id":2,

    "name":"Bar",

    "age":"30"

  },

  {

    "id":3,

    "name":"Baz",

    "age":"40"

  }

  ]

}
```

Employee.js

```javascript
import React from "react";
import TableRow from "./TableRow";
import Table from "react-bootstrap/Table";

export default class Employee extends React.Component {
  constructor(props) {
    super(props);
    this.state = {
      data: [
        {
          id: 1,
          name: "Foo",
          age: "20",
        },
        {
          id: 2,
          name: "Bar",
          age: "30",
        },
        {
          id: 3,
          name: "Baz",
          age: "40",
        },
      ],
    };
  }
  render() {
    const style = {
        textAlign: 'center',
        color: 'Blue',
        fontSize: 100,
    };
    return (
      <div>
        <h2 style={style}>EMPLOYEES</h2>
        <Table>
          <thead>
            <tr>
              <th>ID</th>
              <th>Name</th>
              <th>Age</th>
            </tr>
          </thead>
```

```
          <tbody>
            {this.state.data.map((emp, i) => (
              <TableRow key={i} mydata={emp} />
            ))}
          </tbody>
        </Table>
      </div>
    );
  }
}
```

TableRow.js

```
import React from "react";

export default class TableRow extends React.Component {
  constructor(props) {
    super(props);
  }
  render() {
    return (

        <tr>
          <td>{this.props.mydata.id}</td>
          <td>{this.props.mydata.name}</td>
          <td>{this.props.mydata.age}</td>
        </tr>

    );
  }
}
```

App.js

```
import React from 'react';
import './App.css';
import "bootstrap/dist/css/bootstrap.css";
import Employee from './Employee';

class App extends React.Component {
  render(){
    return(
      <div>
          <Employee />
```

```
        </div>
    );
  }
}

export default App;
```

Output: