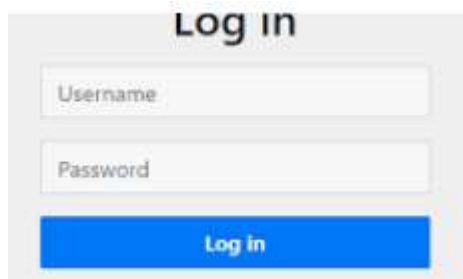# React Assignment:2

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

```
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

```javascript
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

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

App.js

```javascript
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 />
```
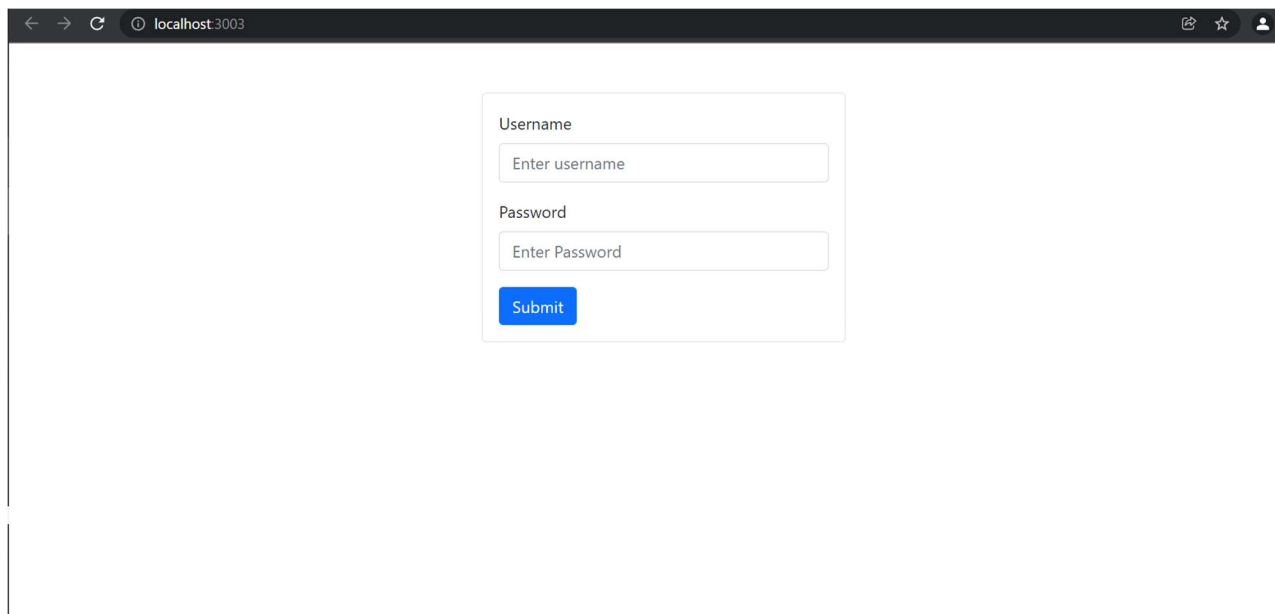
```
            <button onClick={()=>this.setState({loggedin:false})}>Logout</button>
        </div>
      );
    }else{
      return(
        <div>
          <Login username={this.state.user} password={this.state.password}
          error={this.state.error}
          handleUsername={(event)=>this.setState({user:event.target.value})}
          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;
```
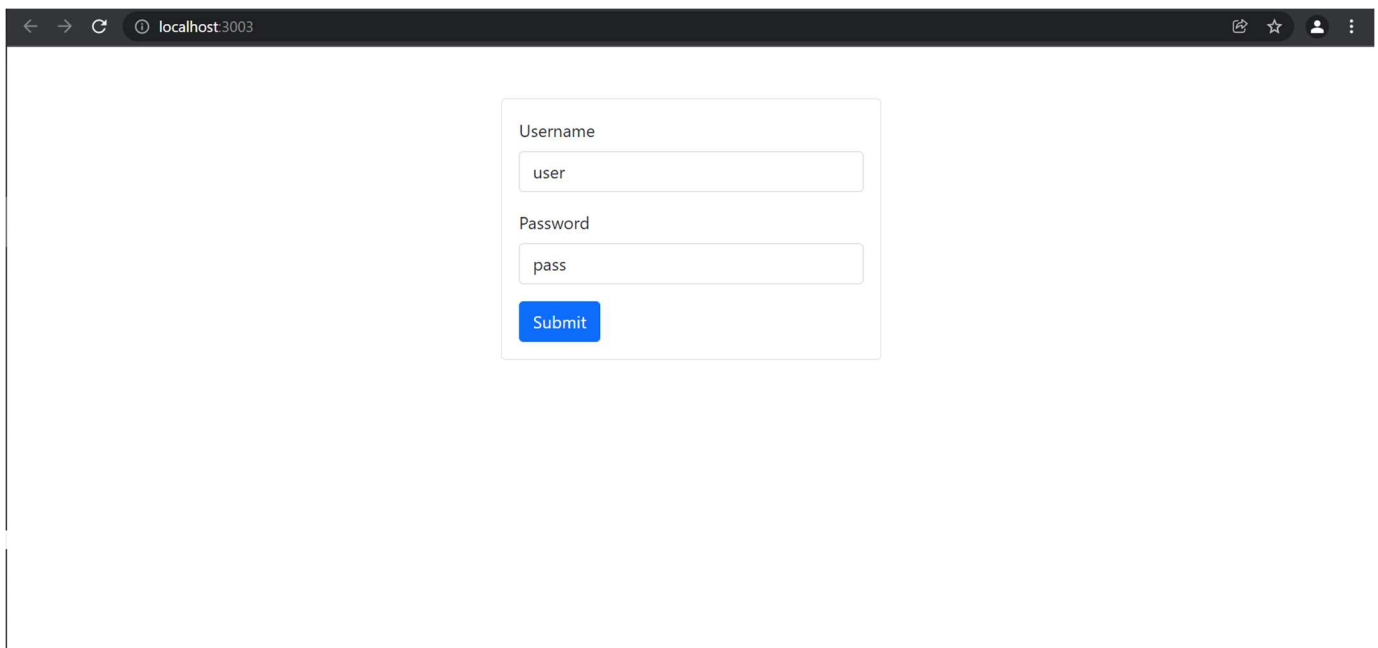
Output when user is not yet logged in:

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;
```