*Assignment#02*

*Department****:*** *CS & IT*

*Discipline: Software Engineering*

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* **User Account Management**

$ mkdir pages$ cd pages

import React from 'react';  
import { Link } from 'react-router';  
import { LoginLink } from 'react-stormpath';  
import DocumentTitle from 'react-document-title';  
import Header from './Header';  
export default class is extends React.Component {  
 render() {  
 return (  
 <DocumentTitle title='My React App'>  
<div className='MasterPage'>  
<Header />  
 { this.props.children }  
</div>  
 </DocumentTitle>

);

}

}

import { Link } from 'react-router';

import React, { PropTypes } from 'react';

import { LoginLink } from 'react-stormpath';

export default class IndexPage extends React.Component {

  render() {

    return (

      <div className="container">

        <h2 className="text-center">Welcome!</h2>

        <hr />

        <div className="jumbotron">

          <p>

            <strong>To my React application!</strong>

          </p>

          <p>Ready to begin? Try these Stormpath features that are included in this example:</p>

          <ol className="lead">

            <li><Link to="/register">Registration</Link></li>

            <li><LoginLink /></li>

            <li><Link to="/profile">Custom Profile Data</Link></li>

          </ol>

        </div>

      </div>

    );

  }

}

import React from 'react';

import DocumentTitle from 'react-document-title';

import { LoginForm } from 'react-stormpath';

export default class LoginPage extends React.Component {

  render() {

    return (

      <DocumentTitle title={`Login`}>

        <div className="container">

          <div className="User Name">

            <div className="Password">

              <h3>Login</h3>

              <hr />

            </div>

          </div>

          <LoginForm />

        </div>

      </DocumentTitle>

    );

  }

}

import React from 'react';

import DocumentTitle from 'react-document-title';

import { RegistrationForm } from 'react-stormpath';

export default class RegistrationPage extends React.Component {

  render() {

    return (

      <DocumentTitle title={`Registration`}>

        <div className="container">

          <div className="Name">

            <div className="Email">  
 <div className="Password">  
 <div className="Confirm Password">  
 <div className="Phone number">  
 <div className="Country">

              <h3>Registration</h3>

              <hr />

            </div>

          </div>

          <RegistrationForm />

        </div>

      </DocumentTitle>

    );

  }

}

app.post('/me', bodyParser.json(), stormpath.loginRequired, function (req, res) {

  function writeError(message) {

    res.status(400);

    res.json({ message: message, status: 400 });

    res.end();

  }

  function saveAccount () {

    req.user.givenName = req.body.givenName;

    req.user.surname = req.body.surname;

    req.user.email = req.body.email;

    req.user.save(function (err) {

      if (err) {

        return writeError(err.userMessage || err.message);

      }

      res.end();

    });

  }

  if (req.body.password) {

    var application = req.app.get('stormpathApplication');

    application.authenticateAccount({

      username: req.user.username,

      password: req.body.existingPassword

    }, function (err) {

      if (err) {

        return writeError('The existing password that you entered was incorrect.');

      }

      req.user.password = req.body.password;

      saveAccount();

    });

  } else {

    saveAccount();

  }

});

* **Culture Management & 3D Models**

npm install -S three  
npm install -S react-three-renderer  
npm install -S react-three-renderer-objects

import React from "react";  
import React3 from "react-three-renderer";  
import ObjectModel from 'react-three-renderer-objects';  
import carModel from "../../assets/TechnicLEGO\_CAR\_1.obj";  
import carMaterial from "../../assets/TechnicLEGO\_CAR\_1.mtl";

class DemoScene extends React.Component {

constructor(props) {  
 super(props);  
 this.state = {  
 scene: {}  
 };  
 }

componentDidMount() {  
 const { scene } = this.refs;  
 this.setState({ scene });  
 }

render() {

let width = window.innerWidth;  
 let height = window.innerHeight;

return (  
 <React3  
 mainCamera="camera"  
 width={width}  
 height={height}  
 alpha={true}  
 >  
 <scene ref="scene">  
 <perspectiveCamera  
 key={`perspectiveCamera`}  
 name="camera"  
 fov={75}  
 aspect={width / height}  
 near={0.1}  
 far={1000}  
 position={new THREE.Vector3(0, 0, 25)}  
 lookAt={new THREE.Vector3(0, 0, 0)}  
 />

<group name="Food">  
 <ObjectModel  
 name="Kurri"  
 model={foodModel}  
 material={foodMaterial}  
 scene={this.state.scene}  
 group="Food"  
 />  
 </group>

<group name="Clothes">  
 <ObjectModel  
 name="Kurta"  
 model={KurtaModel}  
 material={KurtaMaterial}  
 scene={this.state.scene}  
 group="Clothes"  
 />  
 </group>

<group name="Sports">  
 <ObjectModel  
 name="Kabaddi"  
 model={KabaddiModel}  
 material={KabaddiMaterial}  
 scene={this.state.scene}  
 group="Sports"  
 />  
 </group>

<group name="Dance">  
 <ObjectModel  
 name="Bhangra"  
 model={BhangraModel}  
 material={BhangraMaterial}  
 scene={this.state.scene}  
 group="Dance"  
 />  
 </group>

<group name="Musical Instruments">  
 <ObjectModel  
 name="Dhool"  
 model={DhoolModel}  
 material={DhoolMaterial}  
 scene={this.state.scene}  
 group="Dhool"  
 />  
 </group>

<group name="Places">  
 <ObjectModel  
 name="Minare\_Pakistan"  
 model={Minare\_PakistanModel}  
 material={Minare\_PakistanMaterial}  
 scene={this.state.scene}  
 group="Places"  
 />  
 </group>  
 </scene>  
 </React3>  
 );  
 }  
}

export default DemoScene;

import React, { Component } from 'react';  
import logo from './logo.svg';  
import './App.css';  
import DemoScene from 'components/DemoScene';

class App extends Component {  
 render() {  
 return (  
 <div className=”Punjabi Rang">  
 <DemoScene />  
 </div>  
 );  
 }  
}

export default App;

* **Evaluation and Monitoring (Rank)**

class CounterButton extends React.Component {

constructor(props) {

super(props);

this.state = {count: 1};

}

shouldComponentUpdate(nextProps, nextState) {

if (this.props.color !== nextProps.color) {

return true;

}

if (this.state.count !== nextState.count) {

return true;

}

return false;

}

render() {

return (

<button

color={this.props.color}

onClick={() => this.setState(state => ({count: state.count + 1}))}>

Count: {this.state.count}

</button>

);

}

}

class CounterButton extends React.PureComponent {

constructor(props) {

super(props);

this.state = {count: 1};

}

render() {

return (

<button

color={this.props.color}

onClick={() => this.setState(state => ({count: state.count + 1}))}>

Count: {this.state.count}

</button>

);

}

}

class ListOfWords extends React.PureComponent {

render() {

return <div>{this.props.words.join(',')}</div>;

}

}

class WordAdder extends React.Component {

constructor(props) {

super(props);

this.state = {

words: ['marklar']

};

this.handleClick = this.handleClick.bind(this);

}

handleClick() {

// This section is bad style and causes a bug

const words = this.state.words;

words.push('marklar');

this.setState({words: words});

}

render() {

return (

<div>

<button onClick={this.handleClick} />

<ListOfWords words={this.state.words} />

</div>

);

}

}