Write an application using react that connects to the iTunes connect API to  
retrieve songs for a search term

**Program :**

//package.json

{

"name": "itunes",

"version": "0.1.0",

"private": true,

"homepage": "http://saigowthamr.github.io/Itunes-Top-100-albums",

"dependencies": {

"axios": "^0.18.0",

"moment": "^2.22.1",

"react": "^16.3.2",

"react-dom": "^16.3.2",

"moment": "^2.22.2",

"react": "^16.6.0",

"react-dom": "^16.6.0",

"react-lazyload": "^2.3.0",

"react-loadable": "^5.4.0",

"react-loadable": "^5.5.0",

"react-scripts": "1.1.4"

},

"scripts": {

"start": "react-scripts start",

"build": "react-scripts build",

"build:1": "react-scripts build && mv build docs",

"test": "react-scripts test --env=jsdom",

"eject": "react-scripts eject",

"deploy": "gh-pages -d build"

},

"devDependencies": {

"gh-pages": "^1.2.0",

"webpack-bundle-analyzer": "^2.13.1"

}

}

//src/App.css

.albums{

display: grid;

grid-template-columns: repeat(auto-fit,minmax(200px,300px));

grid-gap: 1rem;

justify-content: center;

font-weight: 400;

}

.load{

display: flex;

justify-content: center;

align-content: center;

}

//src/App.js

import React, { Suspense, lazy, Component } from 'react';

import axios from "axios";

import Header from './components/header';

// import Albums from './components/albums';

import "./App.css";

const Albums = lazy(() => import('./components/albums'));

class App extends Component {

state = {

posts: [],

show: true

};

componentDidMount() {

axios

.get(`https://itunes.apple.com/in/rss/topalbums/limit=100/json`)

.then(res => {

this.setState

this.setState({ posts: res.data.feed.entry });

});

}

render() {

const loadingImg = <div className="album-img">

<img alt="loading" src="https://media.giphy.com/media/y1ZBcOGOOtlpC/200.gif" />

</div>

const albums = this.state.posts.map(e => {

return (

<Suspense key={e.id.label} fallback={loadingImg}>

<Albums

image={e["im:image"][2].label}

title={e.title.label}

link={e.id.label}

price={e["im:price"].label}

date={e["im:releaseDate"].label}

/>

</Suspense>

);

});

return (

<div className="app">

<Header />

<div className="albums">

{albums}

</div>

</div>

);

}

}

export default App;

//app.test.js

import React from 'react';

import ReactDOM from 'react-dom';

import App from './App';

it('renders without crashing', () => {

const div = document.createElement('div');

ReactDOM.render(<App />, div);

ReactDOM.unmountComponentAtNode(div);

});

//album.js

import React from 'react';

import moment from 'moment';

import LazyLoad from 'react-lazyload';

import './albums.css'

export default (props) => {

function formatDate(date, format) {

return moment(date).format(format);

};

return (

<ul className="album">

<li className="album-item">

<a href={props.link} target="blank" className="link">

<LazyLoad height={200} >

<img className="album-img" src={props.image} alt={'itunes' + Math.random()} />

</LazyLoad>

</a>

</li>

<li className="title album-item">

<a href={props.link} target="blank" className="link">

{props.title.slice(0, 20)}..</a></li>

<li className="price album-item">Price:{props.price}</li>

<li className="date album-item">Released:{formatDate(props.date, "MMM Do YY")}</li>

</ul>

)

}

//header.js

import React from 'react';

import './header.css';

export default () => (

<header className="header">

<a href="/" style={{

textDecoration: "none",

color: "white", borderBottom: "1px solid red"

}}>Top 100 Albums from Itunes</a>

</header>

)

//index.js

import React from 'react';

import ReactDOM from 'react-dom';

import './index.css';

import App from './App';

ReactDOM.render(<App />, document.getElementById('root'));

**Output :**





