

Module 3: Handling Navigation with Routes

Demo Document 3

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Define Navigation Using Links

Step 1: Start building the application using: *using create-react-app routing*

Step 2: Change the location and navigate to unmount directory using: *cd routing*

Step 3: Delete the all other available files and place only *index.js file*.

Step 4: In *index.js file* start writing the code, first *import* the required libraries to execute the application.

```
import React from 'react'
import ReactDOM from 'react-dom'
import './index.css'
import { Route, Link, NavLink, BrowserRouter as Router, Switch } from 'react-router-dom'
import App from './App'
import Customer from './Customer'
import Product from './Product'
```

Step 5: Add the below snippet to *App.js file*.

```
import React from 'react'
class App extends React.Component {
  render() {
    return (
      <div>
        <h1>Home</h1>
      </div>
    )
  }
}

export default App
```

Step 6: Add the below snippet to **Customer.js** file.

```
import React from 'react'

class Customer extends React.Component {
  render() {
    const { params } = this.props.match
    return (
      <div>
        <h1>Customer</h1>
        <p>{params.id}</p>
      </div>
    )
  }
}

export default Customer
```

Step 7: Add the below snippet to **Product.js** file. Make use of **link** parameter to define routes.

```
import React from 'react'
import { Route, Link } from 'react-router-dom'

const Products = ({ match }) => <p>{match.params.id}</p>

class Product extends React.Component {
  render() {
    const { url } = this.props.match
    return (
      <div>
        <h1>Product</h1>
        <strong>select a Product</strong>
        <ul>
          <li>
            <Link to ="/Product/Secret, Alchemist, SCOOP"> Books</Link>
          </li>
          <li>
            <Link to ="/Product/Addgel, Trimax, Cello"> Pen</Link>
          </li>
        </ul>
        <Route path= "/Product/:id" component ={Products} />

      </div>
    )
  }
}

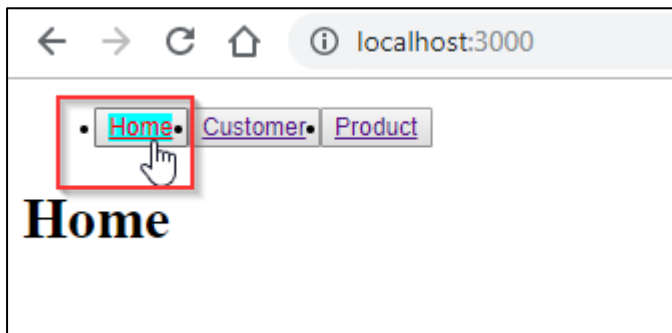
export default Product
```

Step 8: *Import* the above files in *index.js* file. Make use of *NavLink* tags to add the styling to the components.

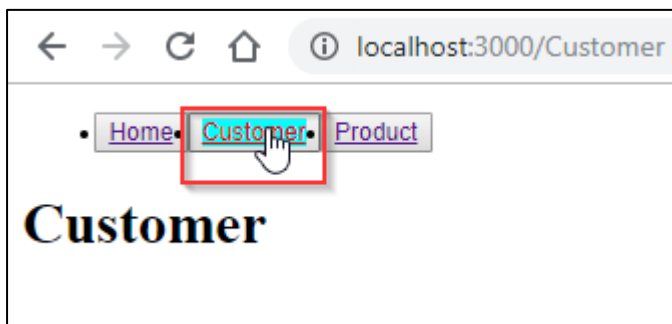
```
const routing = (  
  <Router>  
    <div>  
      <ul>  
        <button type="button" >  
          <li>  
            <NavLink exact activeClassName="active" to="/">  
              Home  
            </NavLink>  
          </li>  
        </button>  
        <button type="button">  
          <li>  
            <NavLink exact activeClassName="active" to="/Customer">  
              Customer  
            </NavLink>  
          </li>  
        </button>  
        <button type="button">  
          <li>  
            <NavLink exact activeClassName="active" to="/Product">  
              Product  
            </NavLink>  
          </li>  
        </button>  
      </ul>  
      <Switch>  
        <Route exact path="/" component={App} />  
        <Route path="/Customer" component={Customer} />  
        <Route path="/Product" component={Product} />  
      </Switch>  
    </div>  
  </Router>  
)  
ReactDOM.render(routing, document.getElementById('root'))
```

Step 8: Save your application code and start it using ***npm start***. Check its working at localhost:3000.

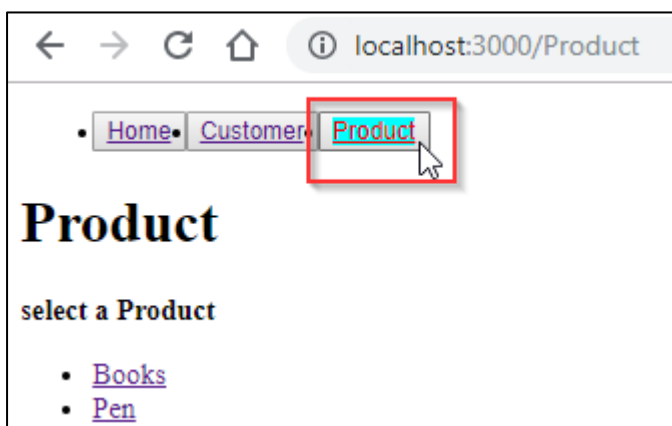
➤ Route to **Home** page using Links and Navlink



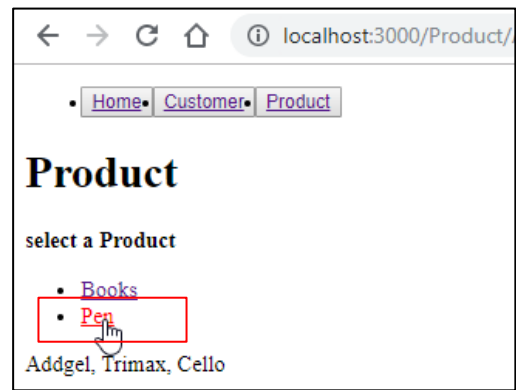
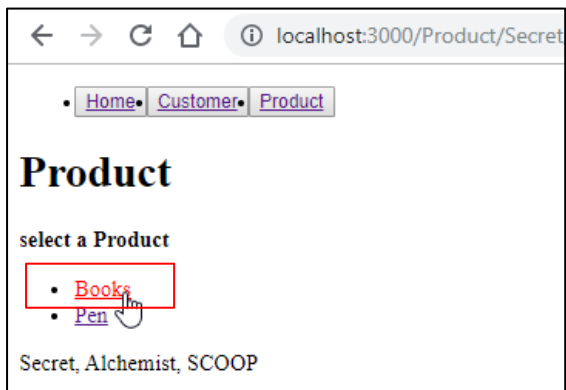
➤ Route to **Customer** page using Links and Navlink



➤ Route to **Product** page using Links and Navlink



➤ Effect of **NavLink** on clicking the button:



Conclusion:

We have successfully established the routing between the components using links and added the styles using NavLink.

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