

# REACT ROUTING

**Jose Annunziato**

# Hello World

```
import React from 'react';
import ReactDOM from 'react-dom';
const HelloWorld = () => {
  return(<h1>Hello World!</h1>);
};
ReactDOM.render(
  <HelloWorld/>,
  document.getElementById('root')
);
```

# React App

```
class App extends React.Component {  
  render() {  
    return(<HelloWorld/>);  
  }  
}  
  
ReactDOM.render(  
  <App/>,  
  document.getElementById('root')  
);
```

# Add React Router

```
import {BrowserRouter as Router}  
  from 'react-router-dom'  
class App extends React.Component {  
  render() {  
    return(  
      <Router></Router>  
    );  
  }  
}
```

# Add Link and Route

```
import {BrowserRouter as Router, Link, Route}  
  from 'react-router-dom'  
  
<Router>  
  <div>  
    <Link to="/hello">Hello</Link>  
    <Route path="/hello"  
      component={HelloWorld}/>  
  </div>  
</Router>
```

## Create a Couple More Components

```
const Page1 = () => {  
  return(<h2>Page 1</h2>)  
};
```

```
const Page2 = () => {  
  return(<h2>Page 2</h2>)  
};
```

# Create Links for the New Components

```
<Router>
```

```
<div>
```

```
<Link to="/page1">Page 1</Link>
```

```
<Link to="/page2">Page 2</Link>
```

```
</div>
```

```
</Router>
```

# Add Routes for New Components

```
<Router>
```

```
  <div>
```

```
    <Route path='/page1'
```

```
      component={Page1}/>
```

```
    <Route path='/page2'
```

```
      component={Page2}/>
```

```
  </div>
```

```
</Router>
```



# ROUTE PARAMETERS

Dr. Jose Annunziato

# Pass Parameter to Components

**<Router>**

**<Link to="/pageParam/123">**

Page 123**</Link>**

**<Link to="/pageParam/234">**

Page 234**</Link>**

**<Route path="/pageParam/:id"**

**component={PageParam}/>**

**</Router>**

# Pass Parameter to Components as match Property

```
const PageParam = ({match}) => {  
  return(  
    <h2>PageParam {match.params.id}  
    </h2>  
  )  
};
```

# Update Page on Parameter Change

```
<Link to="/pageUpdate/345">
```

```
  PageUpdate 345</Link>
```

```
<Link to="/pageUpdate/456">
```

```
  PageUpdate 456</Link>
```

```
<Route path="/pageUpdate/:id"
```

```
  component={PageUpdate}/>
```

## Update Page on Parameter Change

```
class PageUpdate extends ... {  
  render() {  
    return(  
      <h2>PageUpdate  
        {this.state.id}  
      </h2>  
    );  
  }  
}
```

## Update Page on Parameter Change

```
class PageUpdate extends ... {  
  constructor(props) {  
    super(props);  
    this.updatePage =  
      this.updatePage.bind(this);  
    this.state = {id: ""}  
  }  
}
```

# Update Page on Parameter Change

```
class PageUpdate extends ... {  
  componentDidMount() {  
    this.updatePage  
      (this.props.match.params.id);  
  }  
  componentWillReceiveProps(newProps){  
    this.updatePage  
      (newProps.match.params.id);  
  }  
}
```

## Update Page on Parameter Change

```
class PageUpdate extends ... {  
  updatePage(id) {  
    this.setState({id: id});  
  }  
}
```



# PROPERTY PARAMETERS

Dr. Jose Annunziato

Use **render** attributes instead of component

**import** *Hello* from './Hello'

**<Router>**

**<div>**

**<Link to="/hello">**Hello**</Link>**

**<Route path="/hello"**

**render={() => <Hello name="Alice"/>} />**

**</div>**

**</Router>**

Use function  
to pass  
properties

Access parameter as a property

```
import React from 'react'
```

```
const Hello = ({name}) =>
```

```
  <h1>Hello {name}</h1>
```

```
export default Hello
```