Navigation

(Continued - See Archive from week 5 for code samples.]

Nested Routes

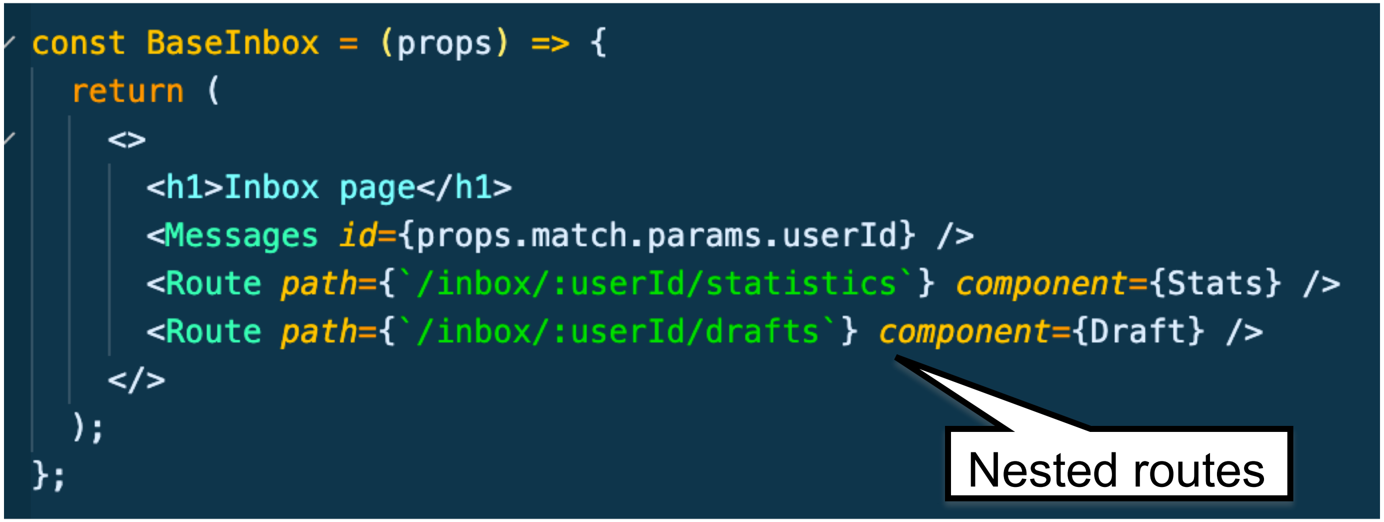
- **EX.: See** src/sample4/**.**

  Objective: Given the route:

  <Route path='/inbox/:userId' component={ Inbox } />,

  when the browser URL is:

  1. /inbox/XXX/statistics **then render Inbox +** Stats **components.**
  2. /inbox/XXX/draft **then render Inbox +** Drafts **components.**

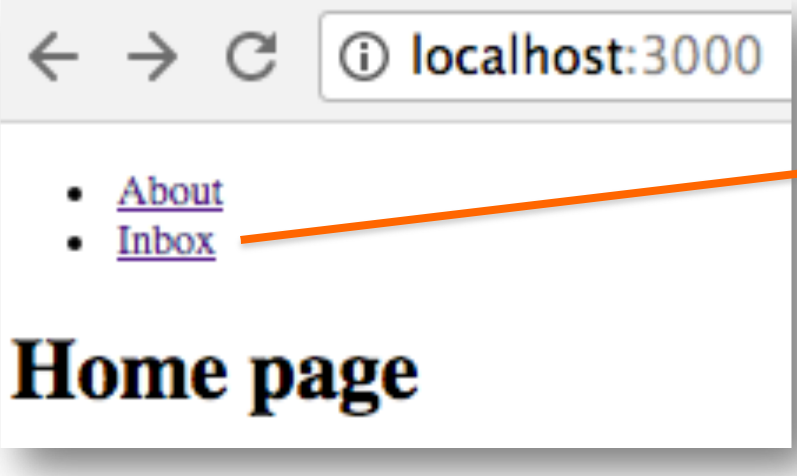


```
const BaseInbox = (props) => {
  return (
    <>
      <h1>Inbox page</h1>
      <Messages id={props.match.params.userId} />
      <Route path={`/inbox/:userId/statistics`} component={Stats} />
      <Route path={`/inbox/:userId/drafts`} component={Draft} />
    </>
  );
};
```

Nested routes

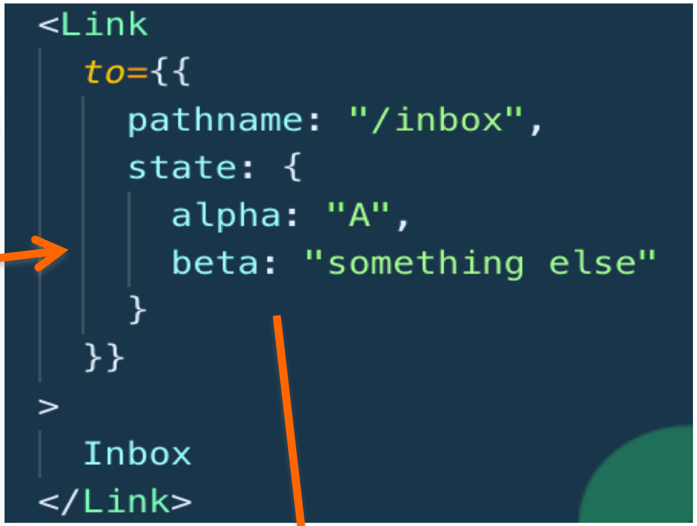
Extended <Link> API

- **Objective: Pass additional props via a <Link>.**
- **EX.: See** /src/sample6/**.**

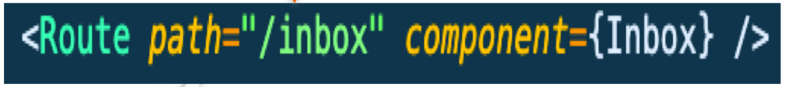


- About
- Inbox

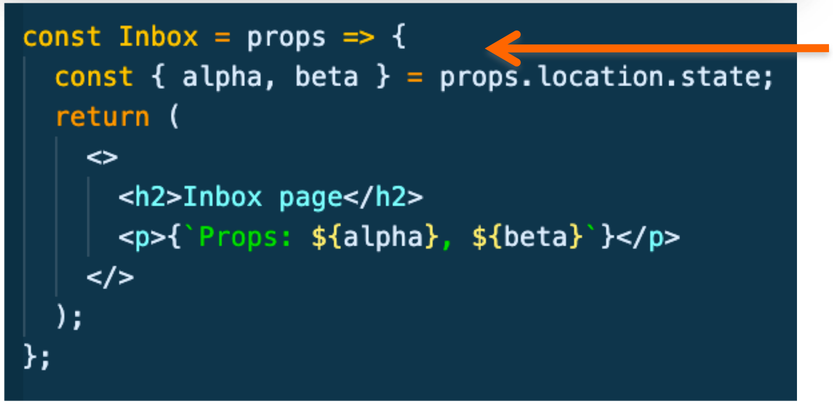
Home page



```
<Link
  to={{
    pathname: "/inbox",
    state: {
      alpha: "A",
      beta: "something else"
    }
  }}
>
  Inbox
</Link>
```

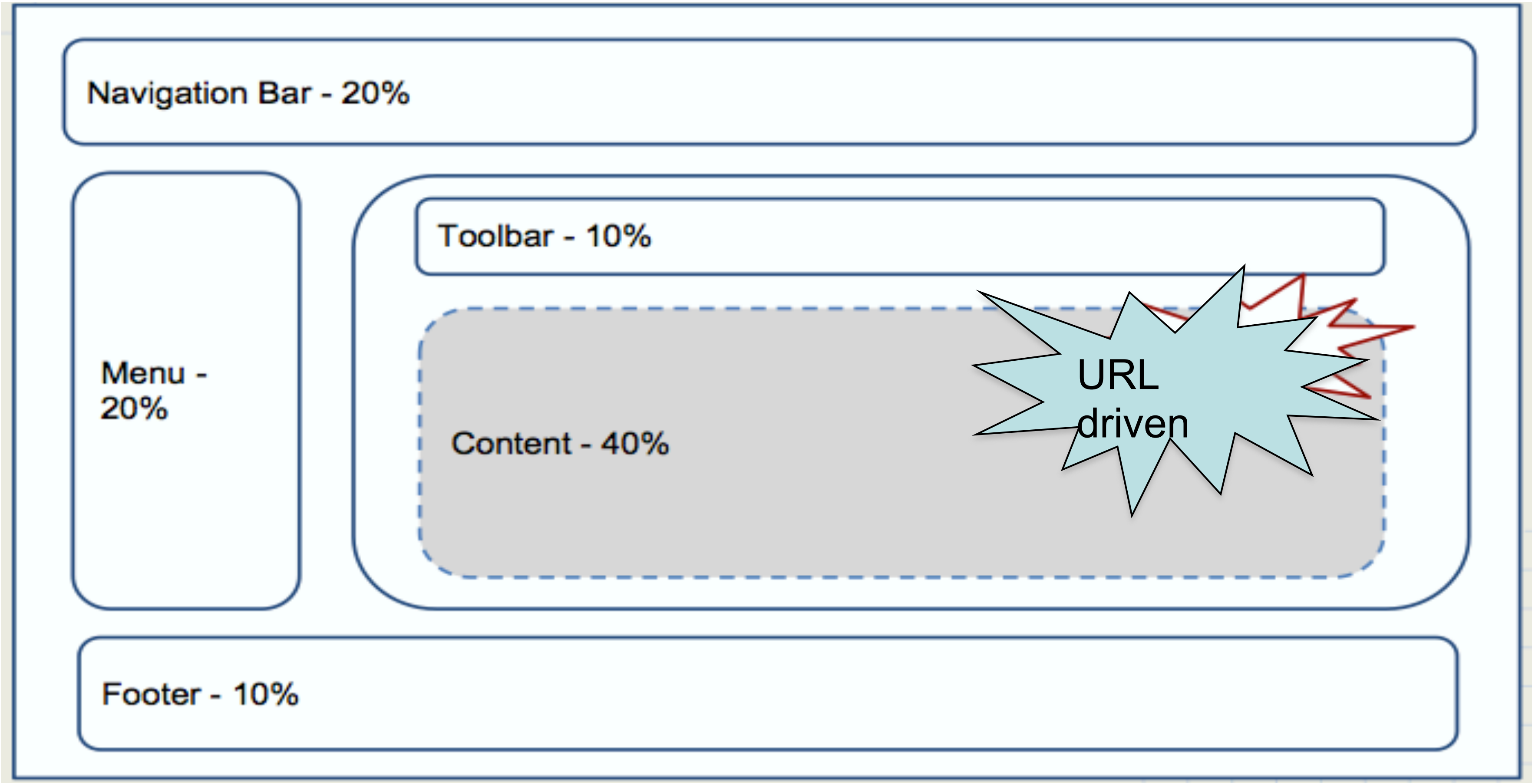


```
<Route path="/inbox" component={Inbox} />
```



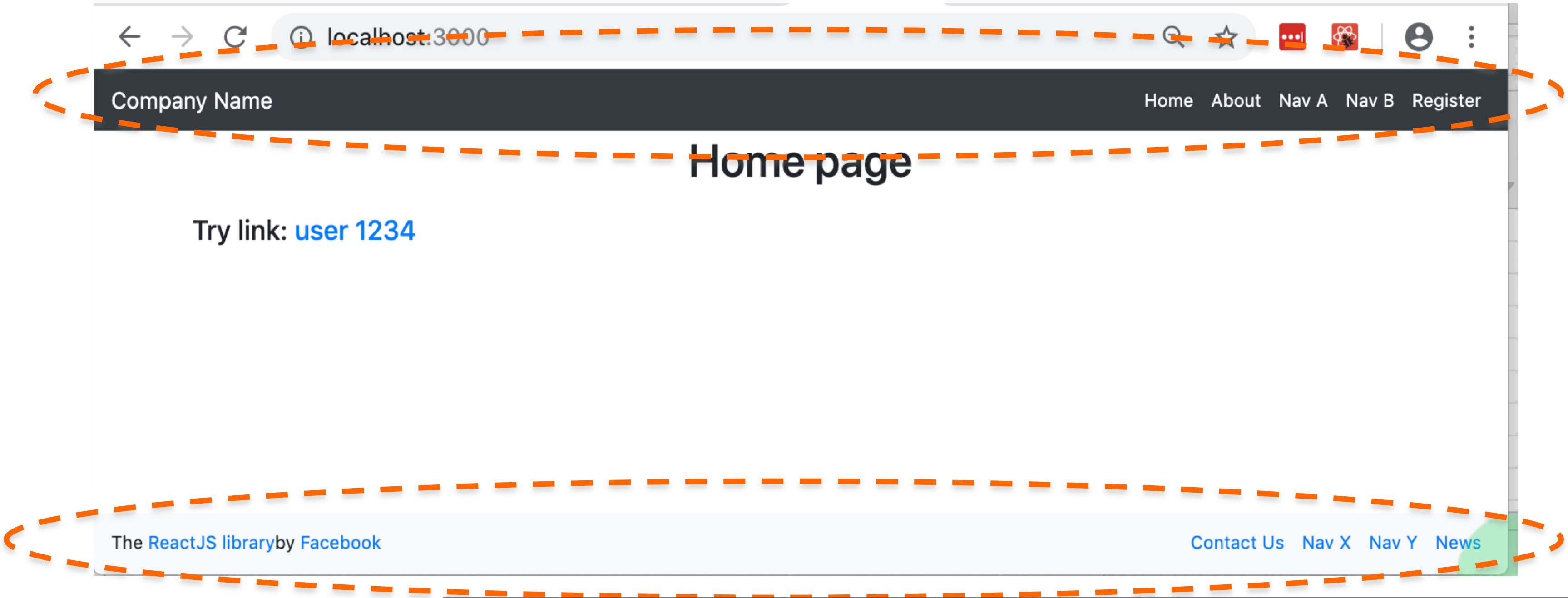
```
const Inbox = props => {
  const { alpha, beta } = props.location.state;
  return (
    <>
      <h2>Inbox page</h2>
      <p>{`Props: ${alpha}, ${beta}`}</p>
    </>
  );
};
```

Typical Web app layout



Persistent elements/components

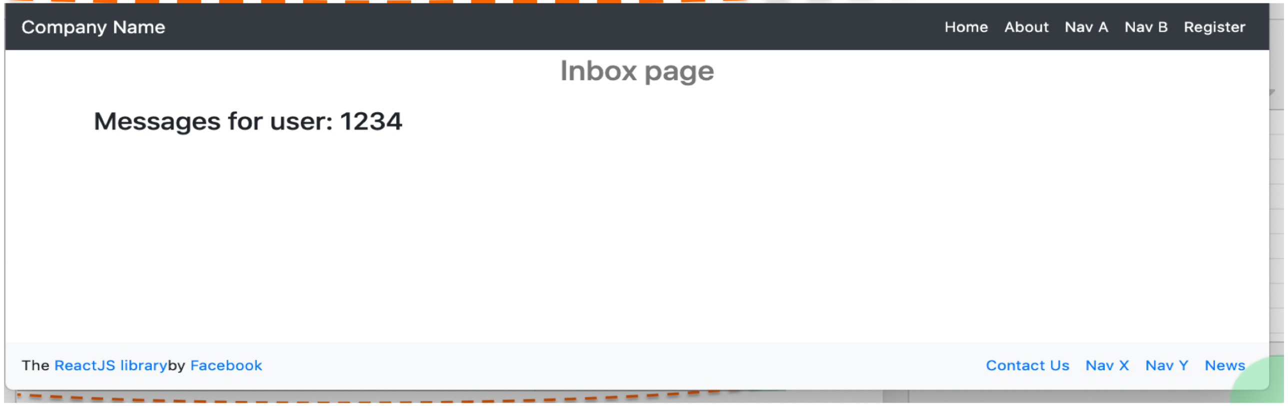
- **Use cases: Site-wide Headers. Footers. Side menus.**



Home page

Try link: user 1234

The ReactJS libraryby Facebook



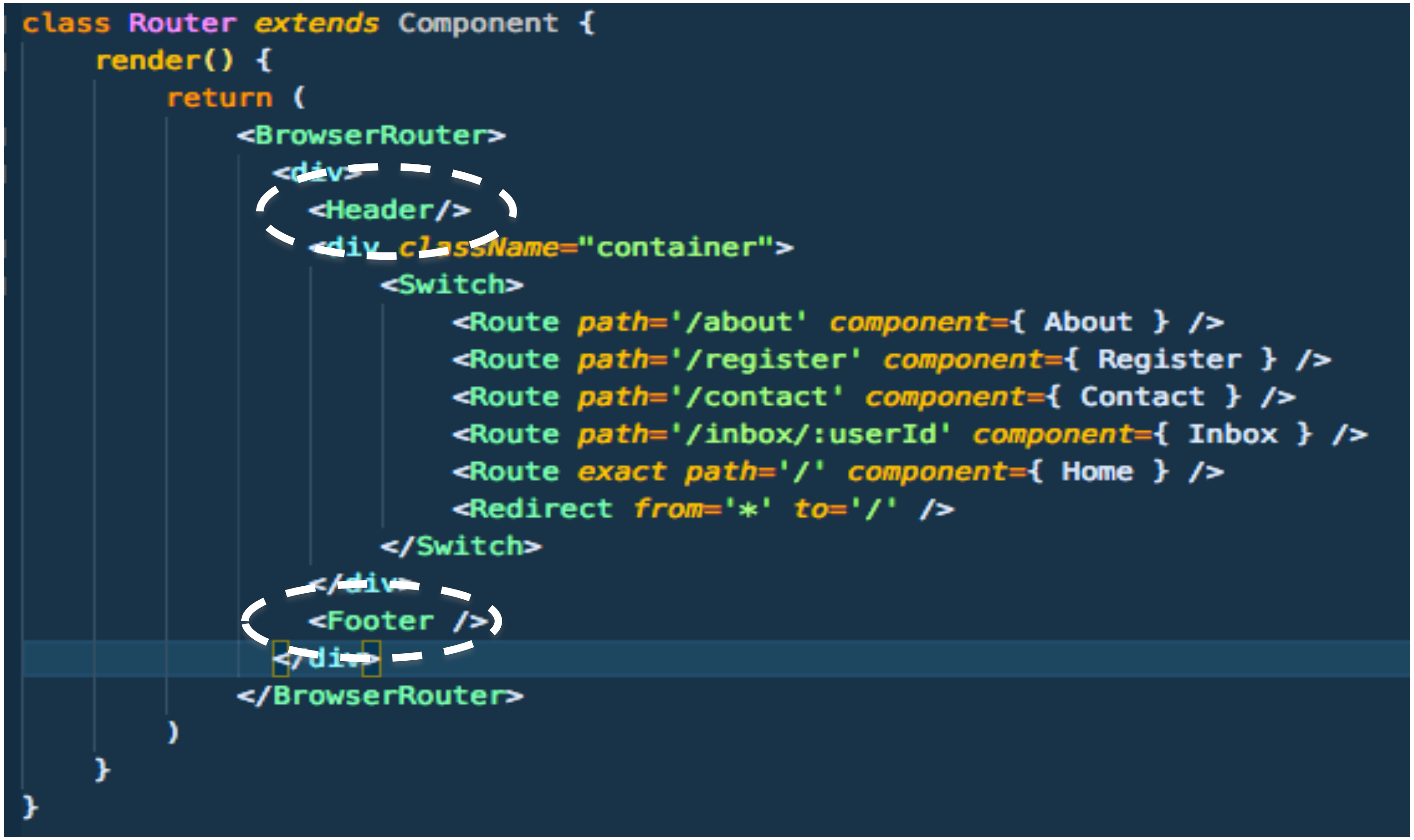
Inbox page

Messages for user: 1234

The ReactJS libraryby Facebook

Persistent elements/components

- **Ref.** src/sample8



```
class Router extends Component {
    render() {
        return (
            <BrowserRouter>
              <div>
                <Header/>
                <div className="container">
                    <Switch>
                        <Route path='/about' component={ About } />
                        <Route path='/register' component={ Register } />
                        <Route path='/contact' component={ Contact } />
                        <Route path='/inbox/:userId' component={ Inbox } />
                        <Route exact path='/' component={ Home } />
                        <Redirect from='*' to='/' />
                    </Switch>
                </div>
                <Footer />
              </div>
            </BrowserRouter>
        )
    }
}
```

Routing

- **Some more routing features next week**