

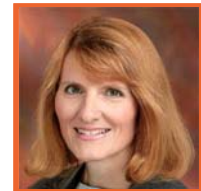
# Routing to Multiple Views – Part 1

Deborah Kurata

<http://blogs.msmvps.com/deborahk/>

@DeborahKurata

deborahk@insteptech.com



**pluralsight**  
hardcore dev and IT training

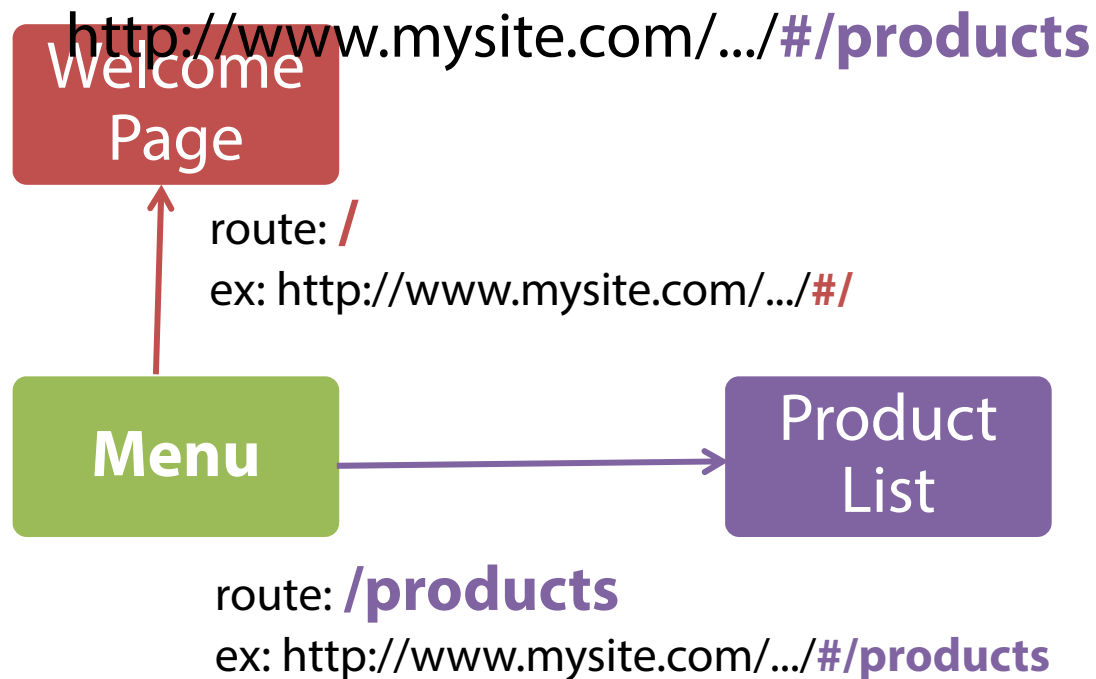


# Routing

Technique for  
navigating  
between views

Each route  
represents a  
specific view

Activating a  
route navigates  
to that view



# Routing Frameworks

**ngRoute**

**UI  
Router**

# ngRoute

## Available from

- Angular Web Site
- <https://angularjs.org/>
- angular-route.js

## Based on

- URL fragment identifiers

## Each route has

- URL fragment identifier
- View template
- Optional Controller

## UI Router

**Available  
from**

- Third-party Angular UI Library
- <https://github.com/angular-ui/ui-router>
- angular-ui-router.js

**Based on**

- Application States

**Each  
state has**

- Optional URL fragment identifier
- View template
- Optional Controller
- Additional attached behavior

# Module Objectives

**Define a Site Map**

**Layout the  
Layout Template**

**Configure the Routing**

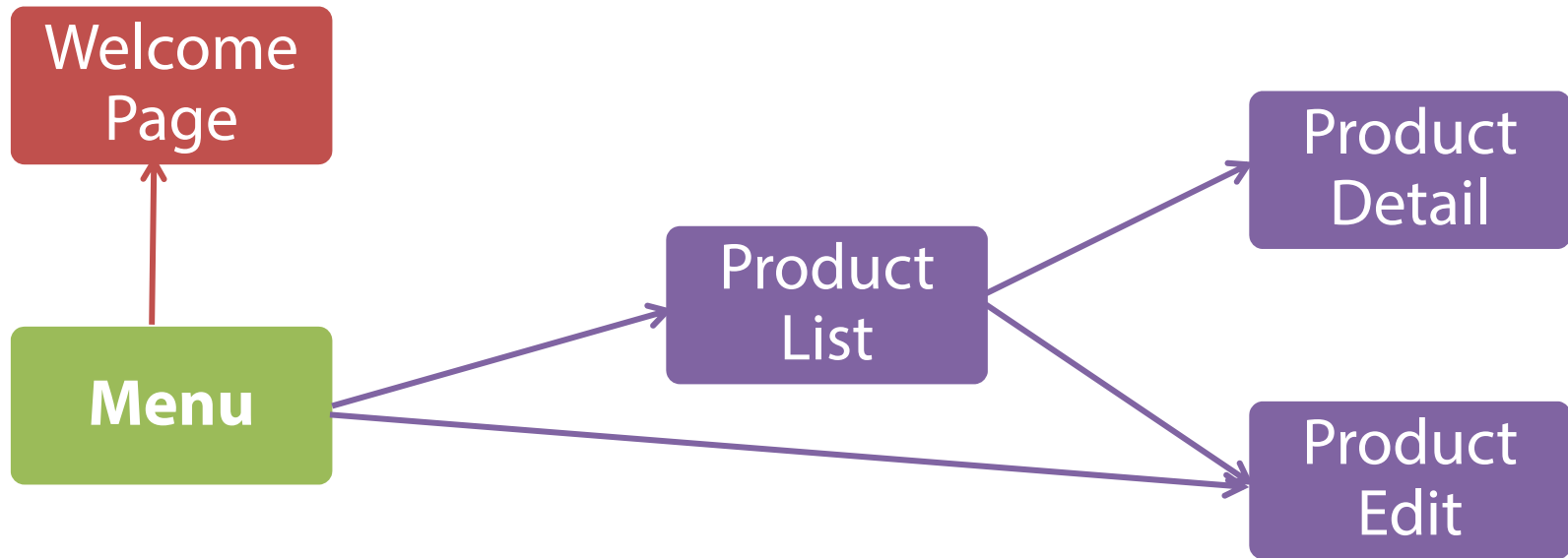
**Use Resolve to Preload  
Data**

**Build a Menu with Routing**

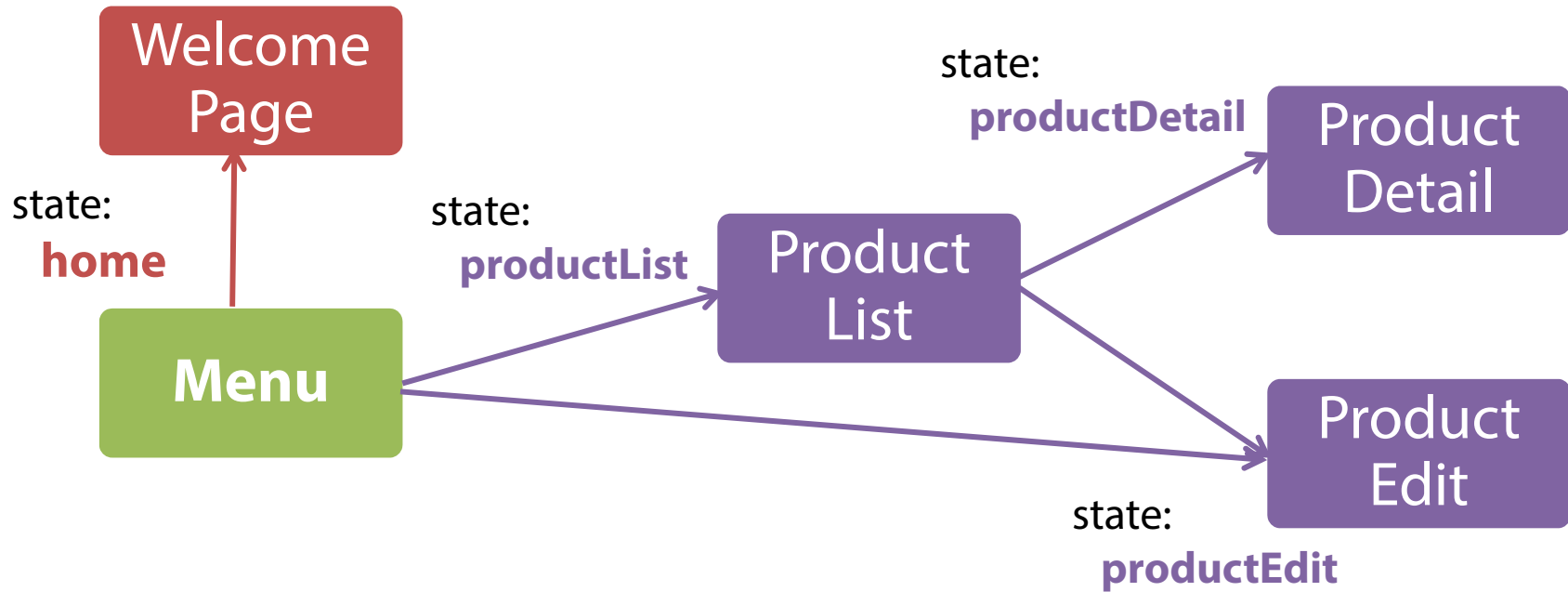
**Build a Default View**

**Define Nested Routing  
States for a Wizard**

# Site Map



# Route States

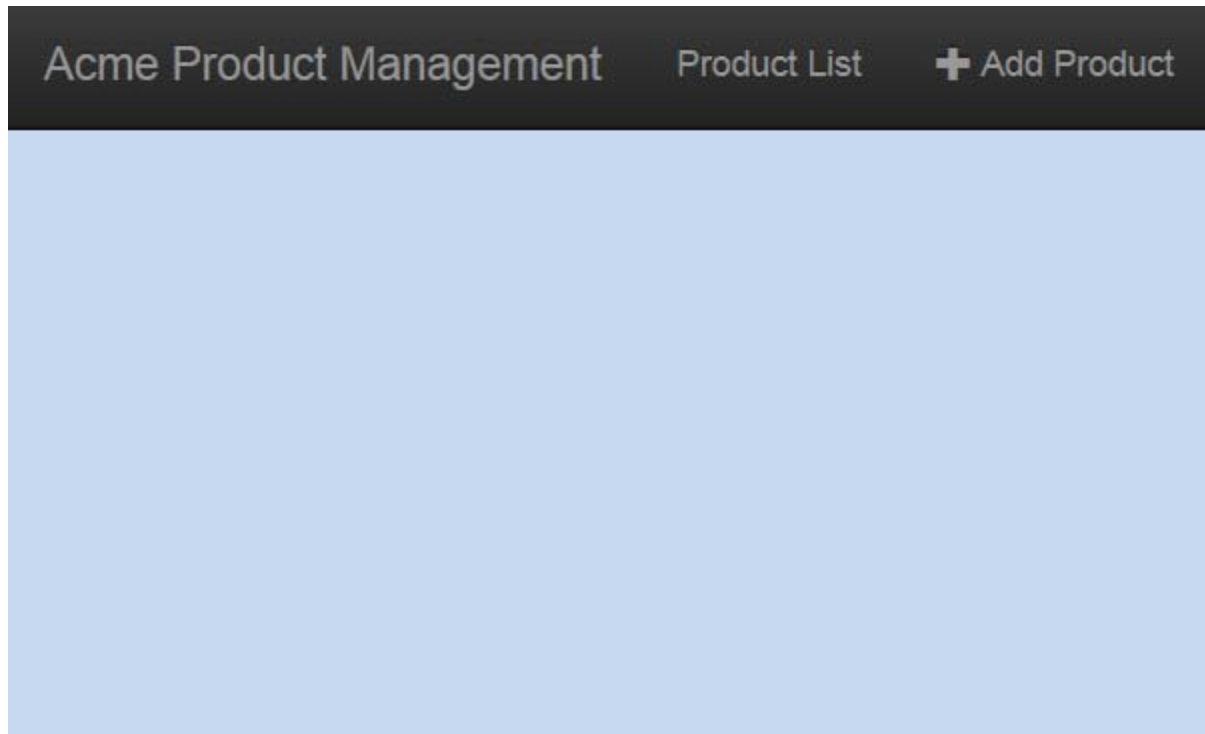




# Layout Template

**Main page of the  
application**

**“Single Page” of  
the Single Page  
Application (SPA)**

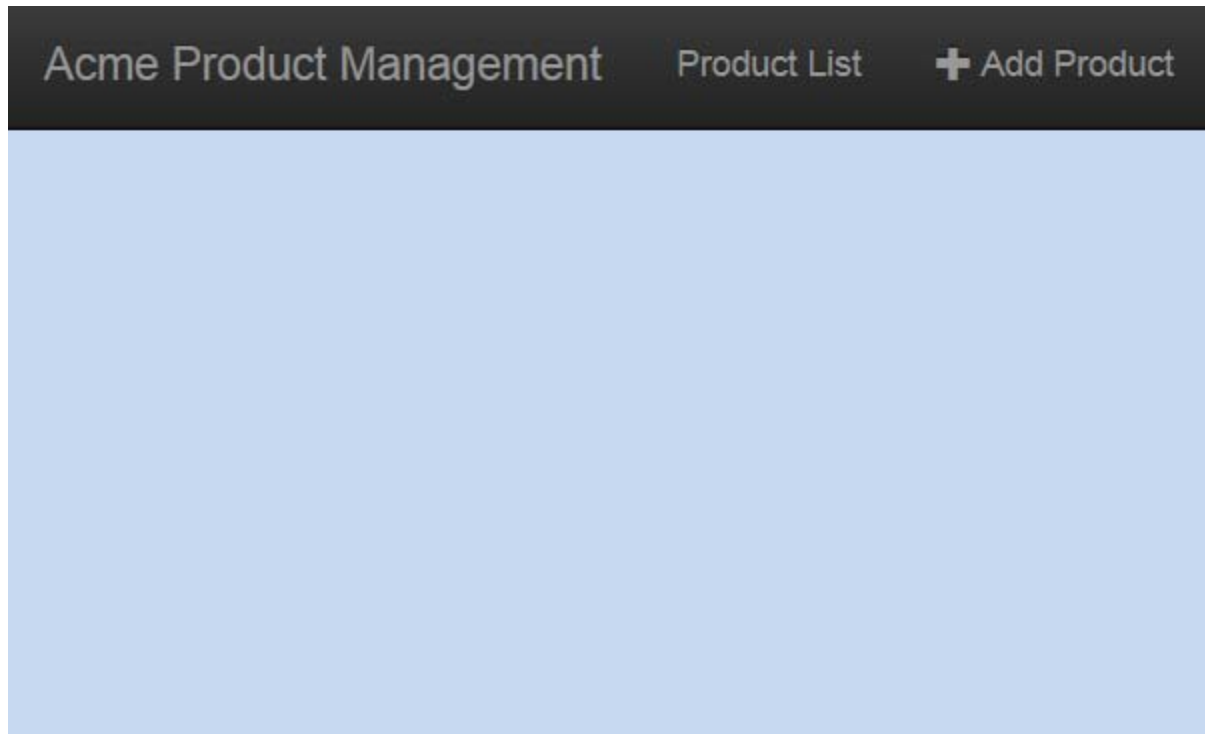


Welcome  
Page

Product  
List

Product  
Detail

Product  
Edit

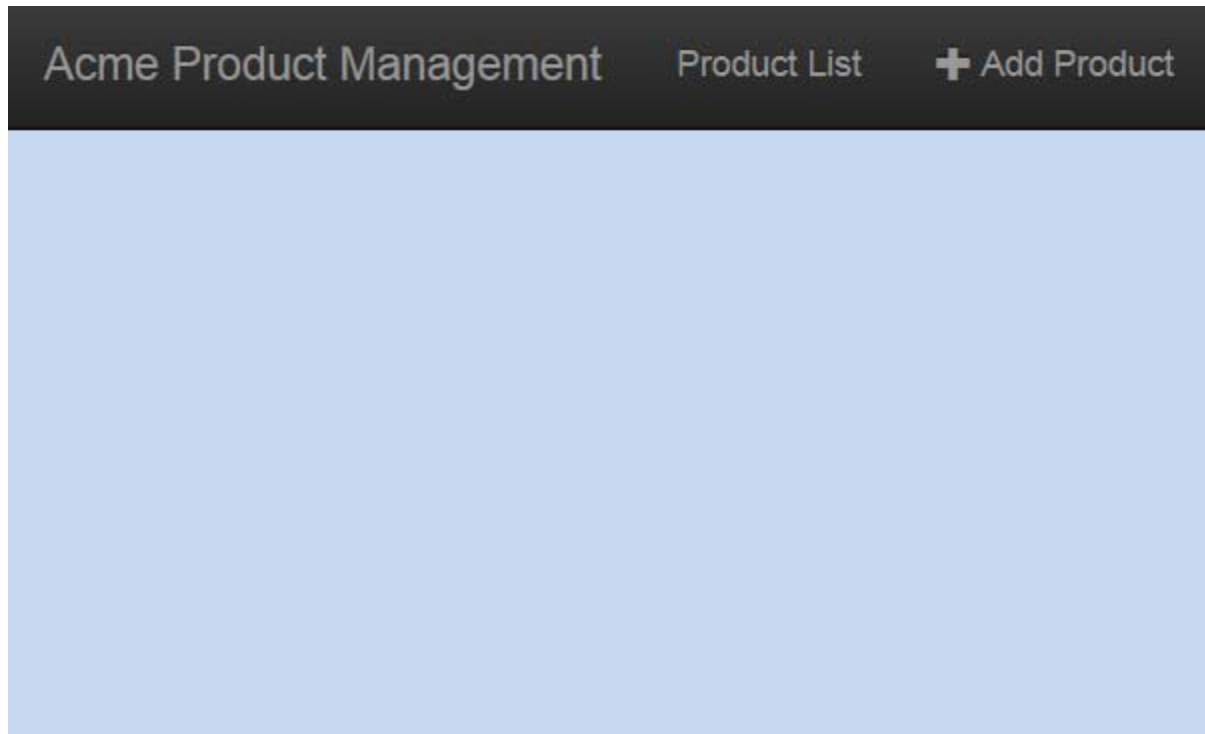


Welcome  
Page

Product  
List

Product  
Detail

Product  
Edit

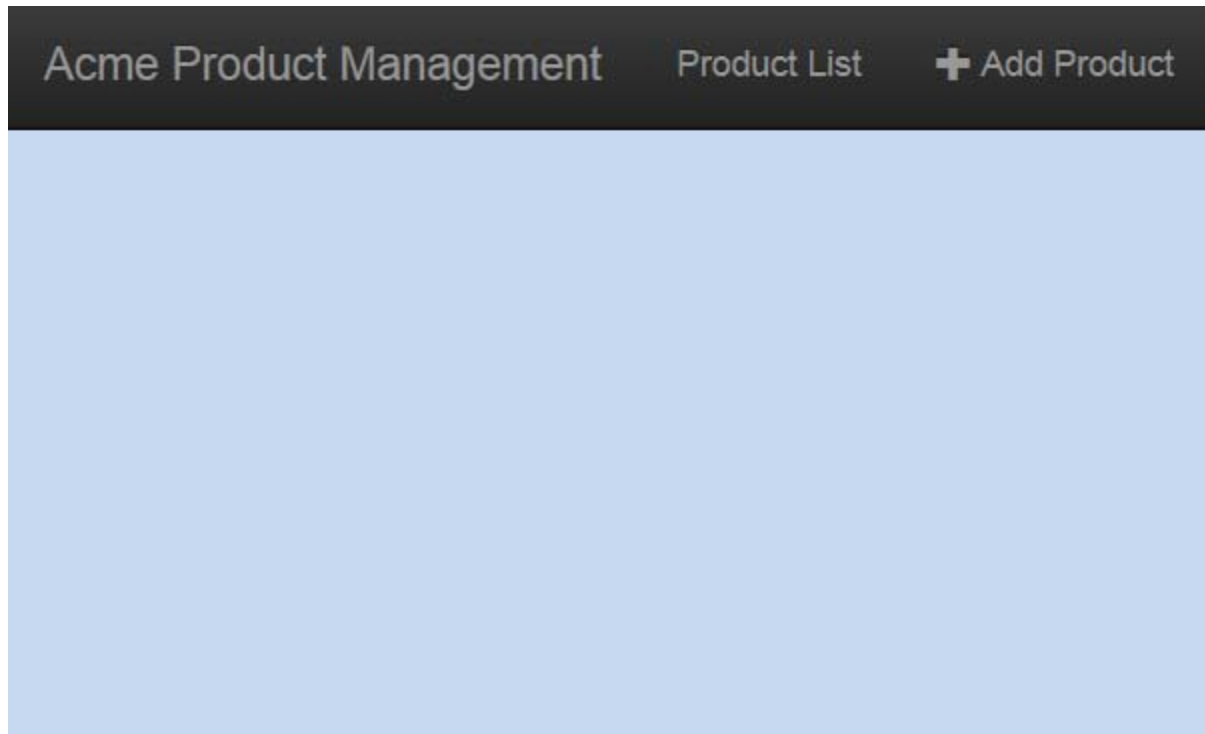


Welcome  
Page

Product  
List

Product  
Detail

Product  
Edit

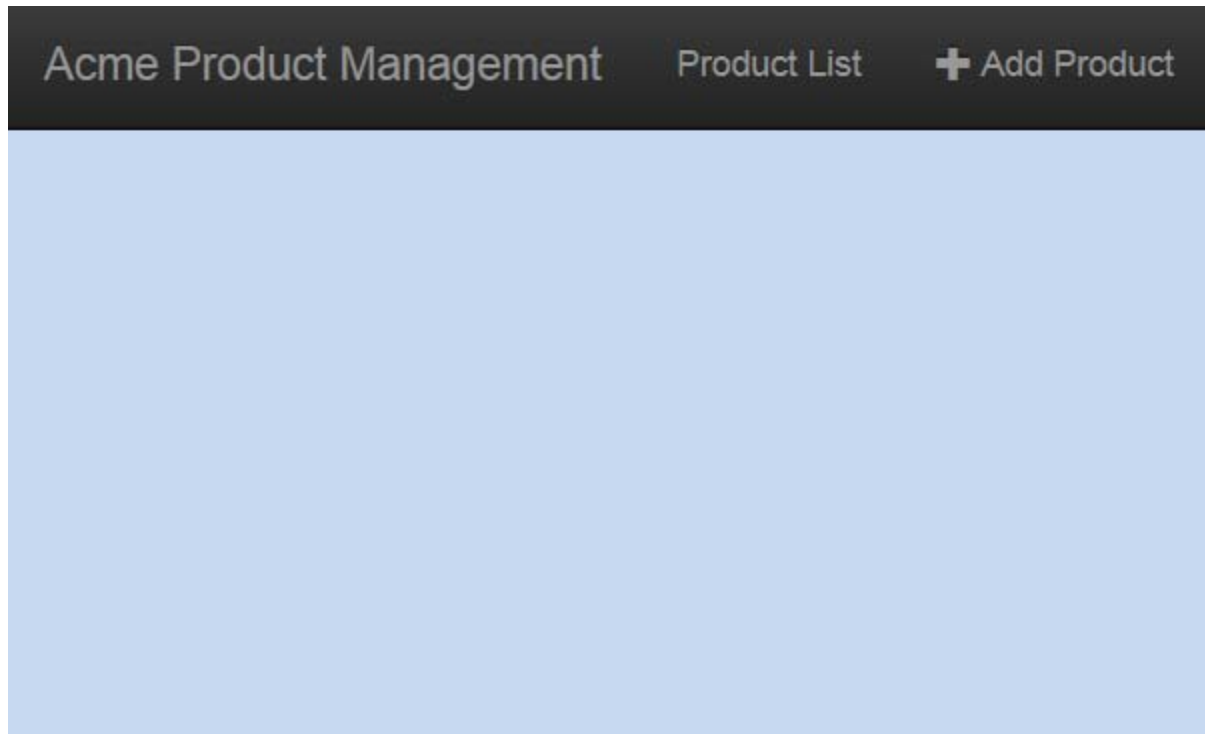


Welcome  
Page

Product  
List

Product  
Detail

Product  
Edit



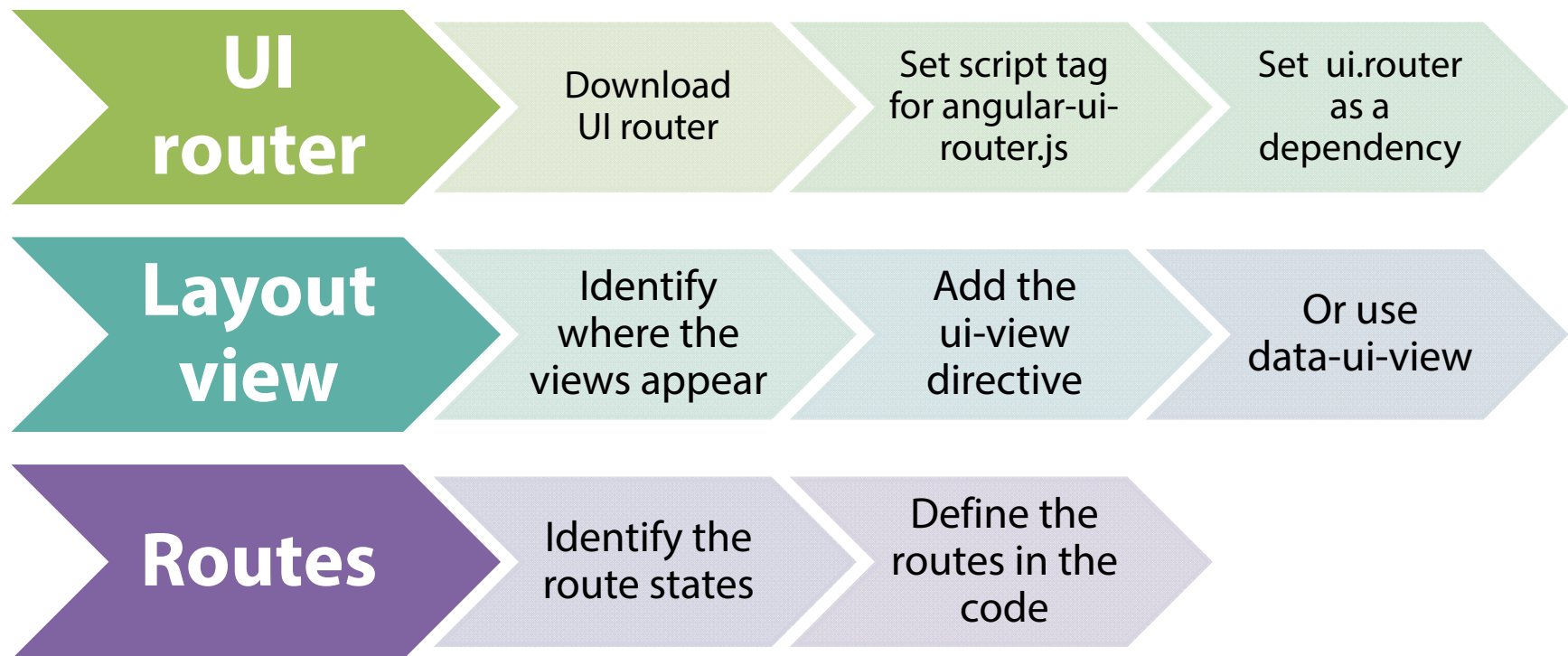
Welcome  
Page

Product  
List

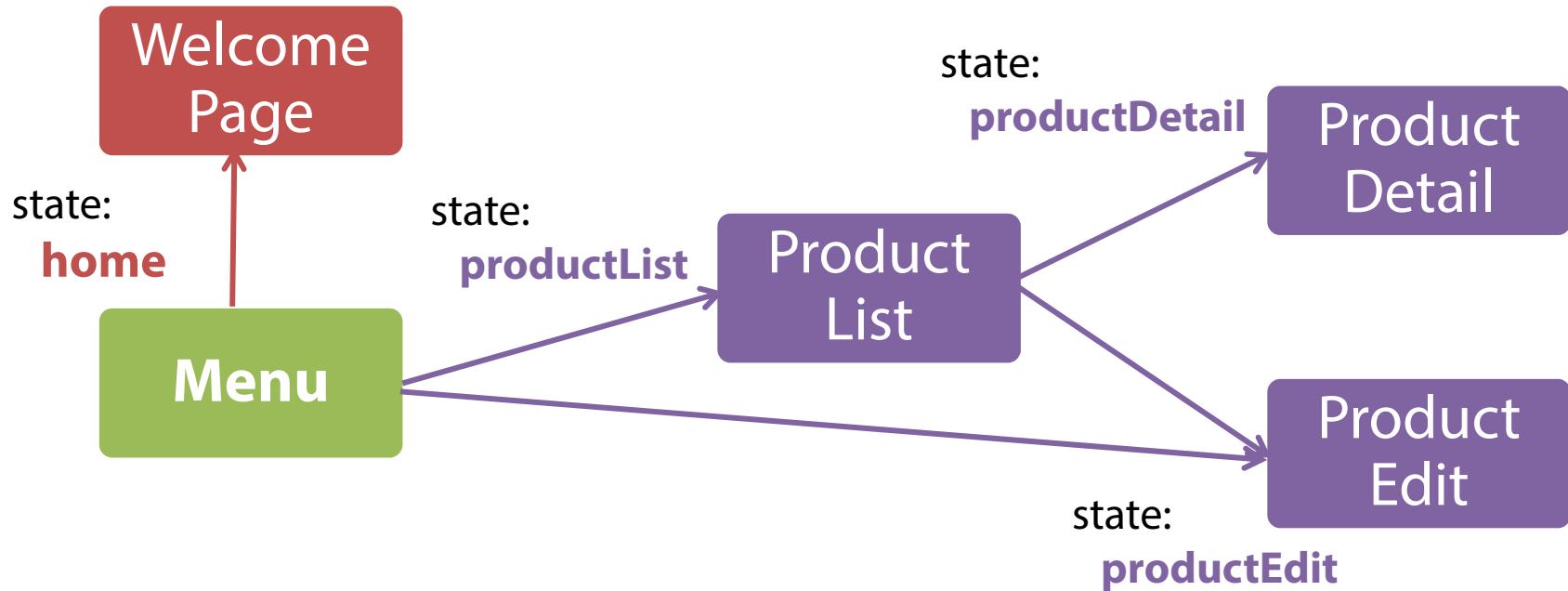
Product  
Detail

Product  
Edit

# Setting Up the Routing



# Route States



```
<div class="container">  
  <div ui-view></div>  
</div>
```



## **\$stateProvider Service**

```
$stateProvider
  .state("productLi st", {
    url: "/products",
    templateUrl: "app/products/productLi stVi ew.html ",
    controller: "ProductLi stCtrl as vm"
  })
```

# Defining a Default State

**\$urlRouterProvider** Service

**Watches** \$ location for **changes** to the URL

When \$location changes, it **finds** a matching **state**

And then **activates** that **state**

Used behind the scenes

Provides an **otherwise()** method for defining a default URL

```
app. config(['$stateProvider', '$urlRouterProvider',  
            function ($stateProvider, $urlRouterProvider) {  
                $urlRouterProvider.otherwise("/products");  
            }]);
```

## Activating a Route

### Set the URL

- `.../productManagement/index.html#/products`

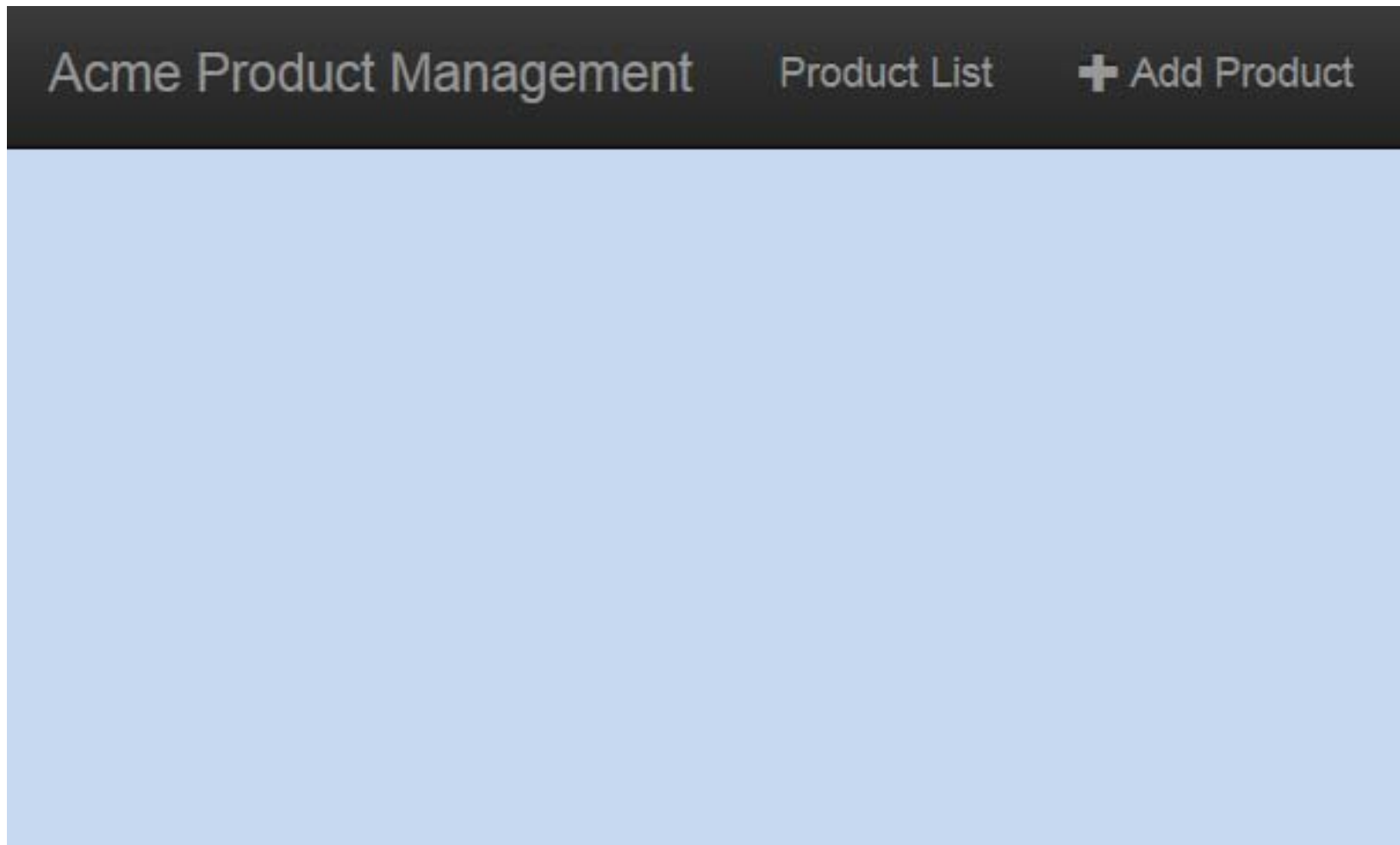
### Call `$state.go()` in the code

- `$state.go('productList');`

### Click a link with the `ui-sref` directive

- `<a ui-sref="productList">  
Product List  
</a>`

# Menu



# Welcome or Home Page



# Module Objectives

