

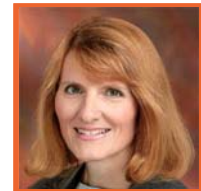
# Routing to Multiple Views – Part 2

Deborah Kurata

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

@DeborahKurata

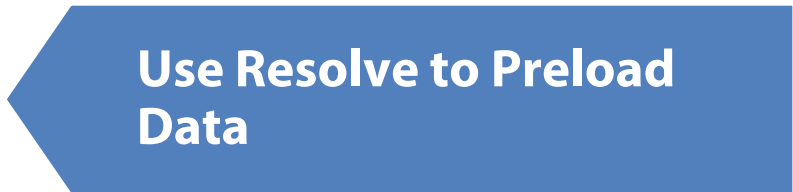
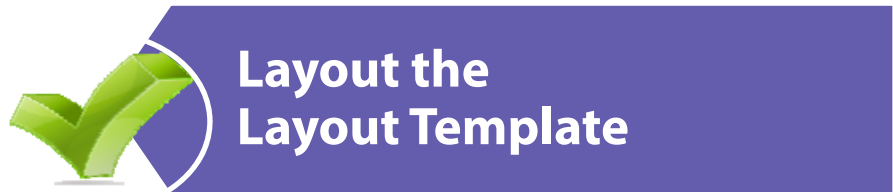
deborahk@insteptech.com



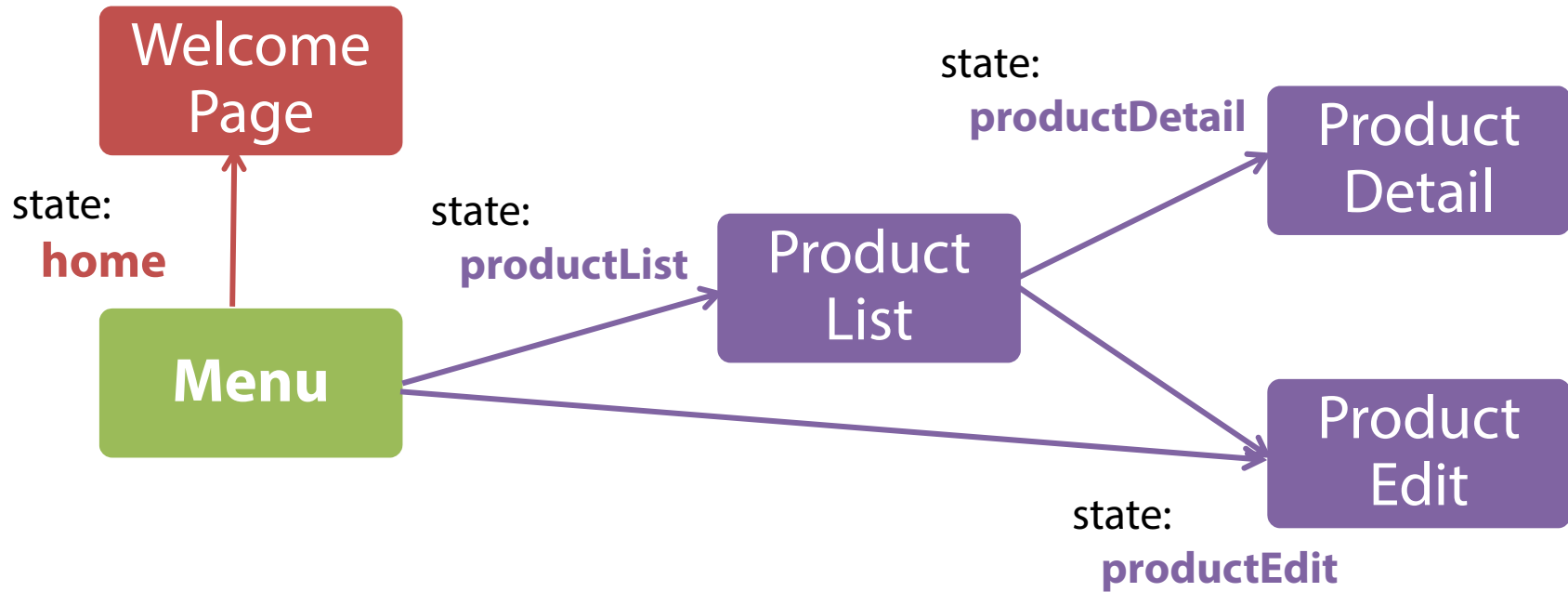
**pluralsight**  
hardcore dev and IT training



# Module Objectives



# Route States



# Product Detail View

Acme Product Management   Product List   + Add Product

Product Detail: Garden Cart

Name:      Garden Cart

Code:      GDN-0023

Description: 15 gallon capacity rolling garden  
                 cart


Availability: March 18, 2010

Cost:      \$20.00

Price:     \$32.99

Margin:    39%

Tags:      barrow, cart, wheelbarrow



◀ Back

Edit

## **Creating a New State**

**Build the View Template**

A light green downward-pointing arrow indicating the flow from the first step to the second.

**Create the Controller**

A light green downward-pointing arrow indicating the flow from the second step to the third.

**Configure the State**

A light green downward-pointing arrow indicating the flow from the third step to the fourth.

**Activate the State**

## **\$stateProvider Service**

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

## **Resolve**

**A property  
attached to a  
route**

**Can provide  
the controller  
with data**

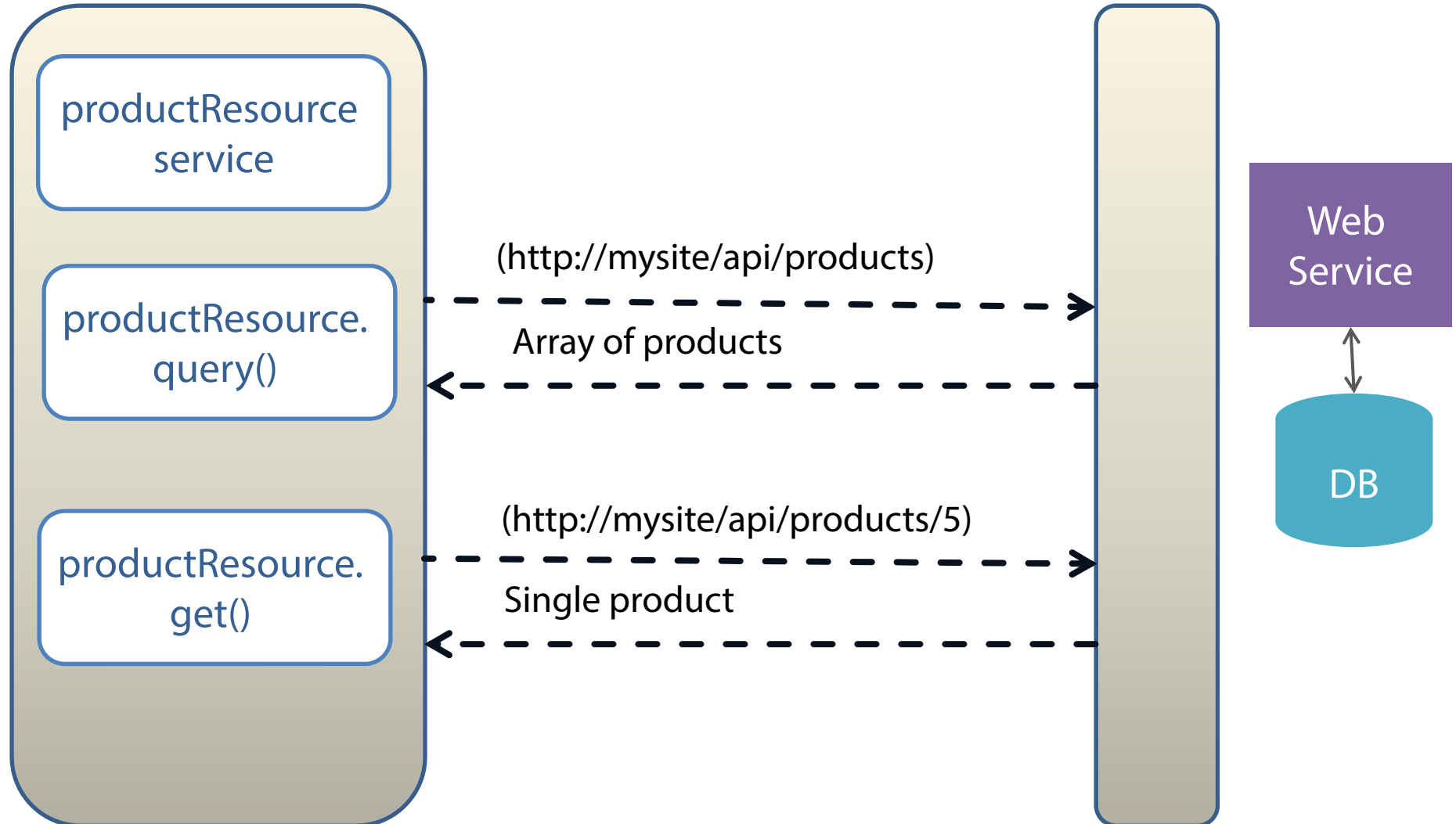
**Identifies  
dependencies**

**Defined with  
key/value  
pairs**



## Web Browser

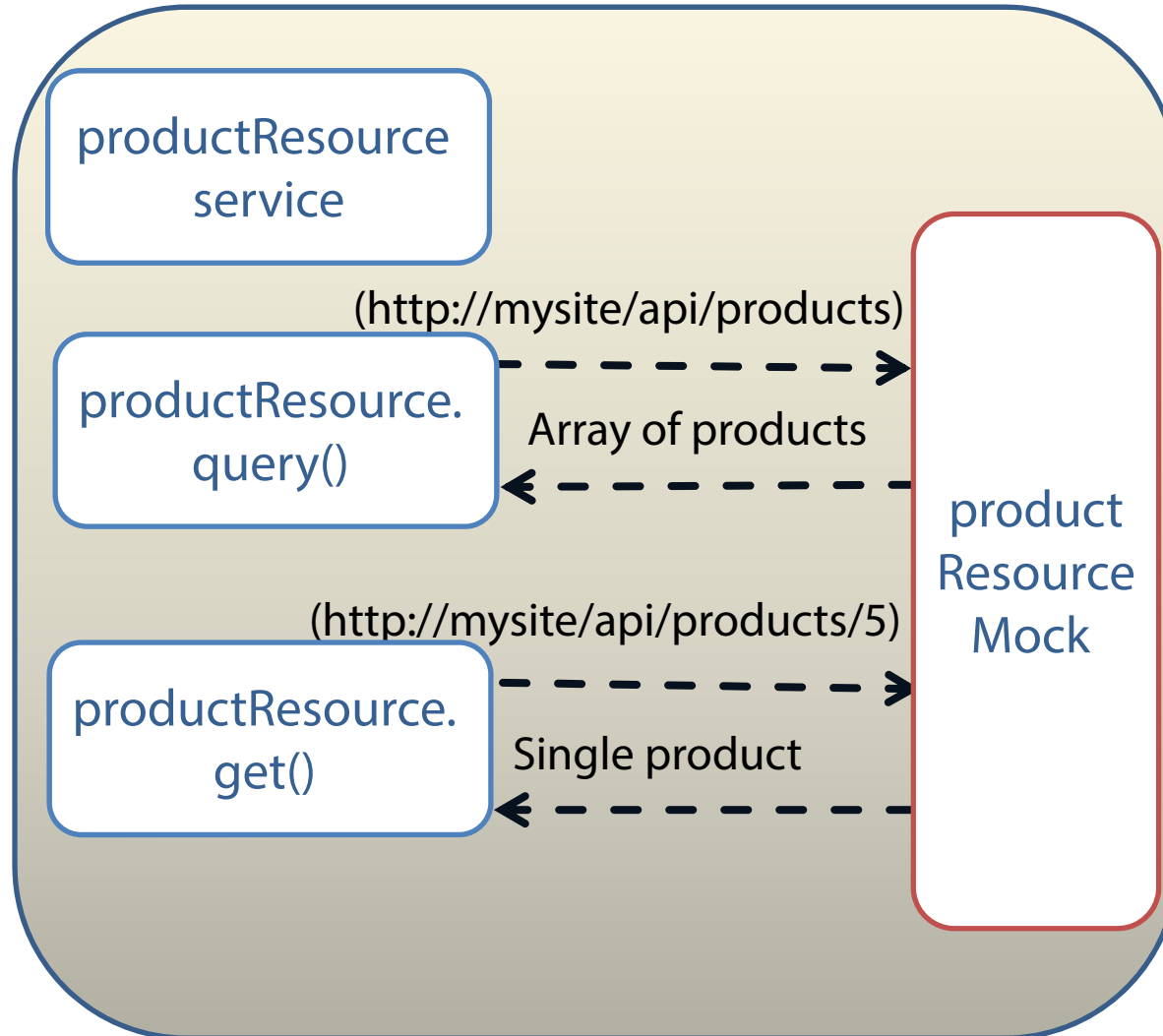
## Web Server



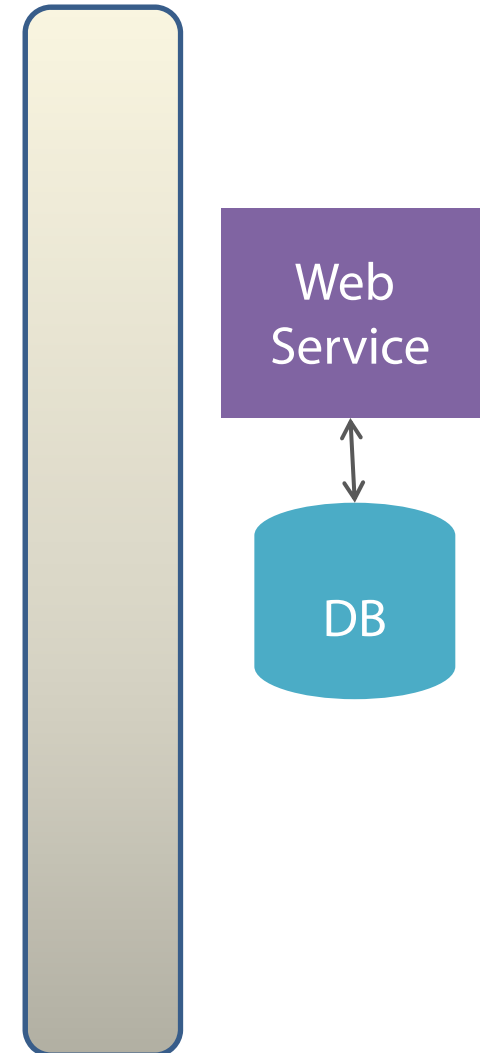




## Web Browser



## Web Server

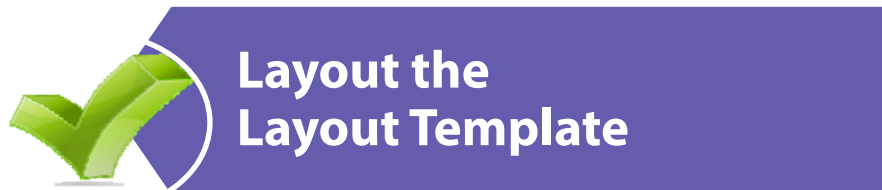


## Resolve Example

```
$stateProvider
  .state("productDetail", {
    url: "/products/:productId",
    templateUrl: "app/products/productDetailView.html",
    controller: "ProductDetailCtrl as vm",
    resolve: {
      productResource: "productResource",

      product: function (productResource, $stateParams) {
        var productId = $stateParams.productId;
        return productResource.get(
          { productId: productId }).$promise;
      }
    }
  })
})
```

# Module Objectives



# Nested Views

Acme Product Management

Product List

+ Add Product

Edit: Garden Cart

Basic Information

Price Details

Search Tags

Basic Product Information

Product Name

Garden Cart

Product Code

GDN-0023

Availability

March 18, 2010

Description

15 gallon capacity rolling garden cart

Save

Cancel

Next >

# Nested Views

Acme Product Management

Product List

+ Add Product

Edit: Garden Cart

Basic Information

Price Details

Search Tags

## Product Price Details

Cost

20

Calculate Price

Markup %

Markup \$

Markup Percentage

Markup %

Calculate

Price

32.99

Margin

39%

◀ Back

Save

Cancel

Next ▶

# Nested Views

Acme Product Management

Product List

+ Add Product

Edit: Garden Cart

Basic Information

Price Details

Search Tags

Product Search Tags

Search Tags

Product search keywords separated by commas

Add

barrow

cart

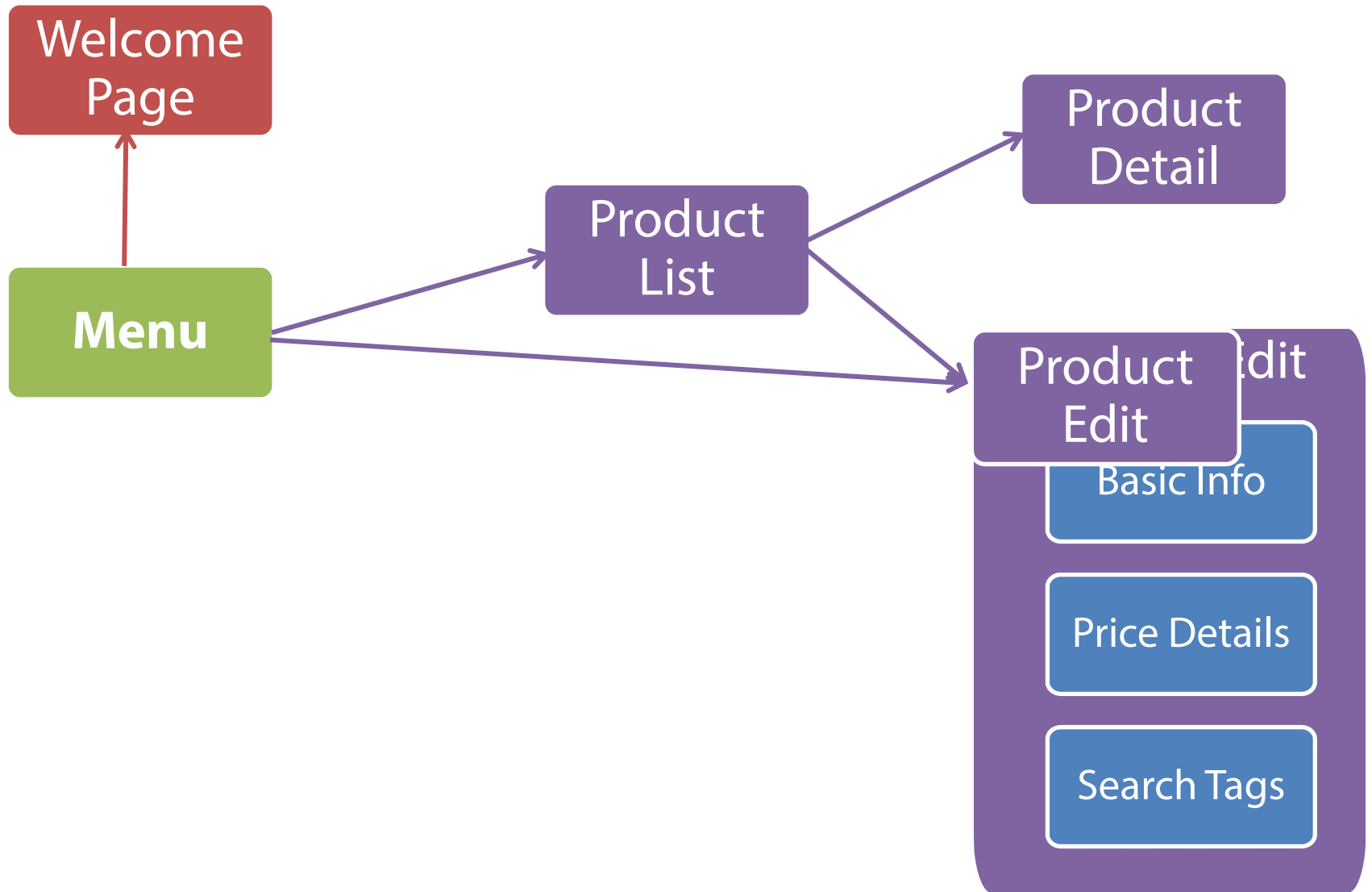
wheelbarrow

Back

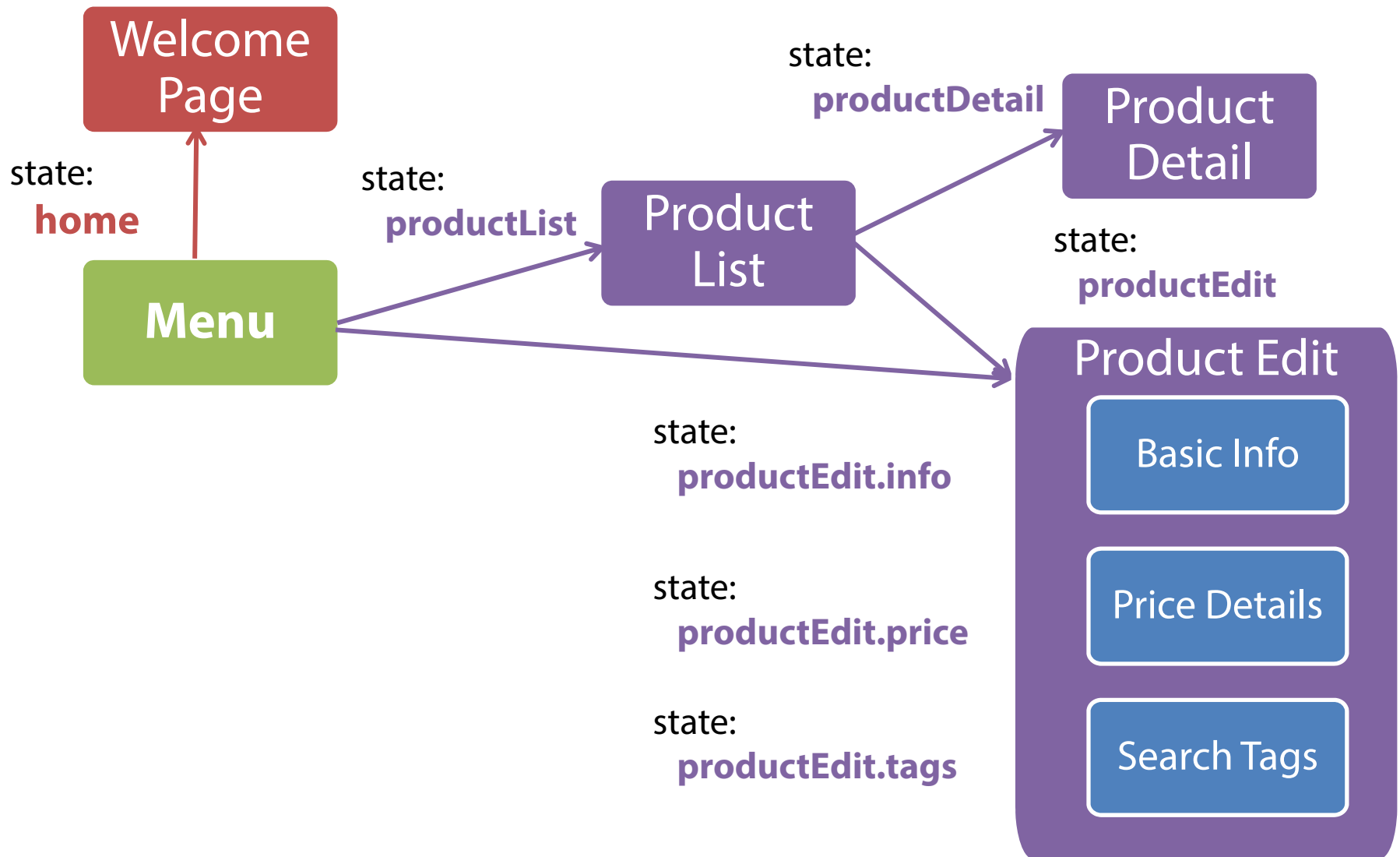
Save

Cancel

# Site Map



# Route States





## Routing States

```
.state("productEdit", {  
  url: "/products/edit/:productId",  
  templateUrl: "app/products/productEditView.html",  
  controller: "ProductEditCtrl as vm"  
})  
.state("productEdit.info", {  
  url: "/info",  
  templateUrl: "app/products/productEditInfoView.html"  
})  
.state("productEdit.price", {  
  url: "/price",  
  templateUrl: "app/products/productEditPriceView.html"  
})  
.state("productEdit.tags", {  
  url: "/tags",  
  templateUrl: "app/products/productEditTagsView.html"  
})
```

# State: productEdit.info

Acme Product Management

Product List

+ Add Product

Edit: Garden Cart

Basic Information

Price Details

Search Tags

## Basic Product Information

Product Name

Garden Cart

Product Code

GDN-0023

Availability

March 18, 2010

Description

15 gallon capacity rolling garden cart

Save

Cancel

Next >

# State: productEdit.price

Acme Product Management

Product List

+ Add Product

Edit: Garden Cart

Basic Information

Price Details

Search Tags

## Product Price Details

Cost

20

Calculate Price

Markup %

Markup \$

Markup Percentage

Markup %

Calculate

Price

32.99

Margin

39%

◀ Back

Save

Cancel

Next ▶

# State: productEdit.tags

Acme Product Management

Product List

+ Add Product

Edit: Garden Cart

Basic Information

Price Details

Search Tags

Product Search Tags

Search Tags

Product search keywords separated by commas

Add

barrow ✕

cart ✕

wheelbarrow ✕

◀ Back

Save

Cancel

# State: productEdit

Acme Product Management

Product List

+ Add Product

Edit: Garden Cart

Basic Information

Price Details

Search Tags

Save

Cancel

Next >

# Abstract State

**Cannot be  
explicitly  
activated**

**Activation  
attempt throws  
an exception**

**Activated  
implicitly when  
child state is  
activated**

```
.state("productEdit", {  
  abstract: true,  
  url: "/products/edit/:productId",  
  templateUrl: "app/products/productEditView.html",  
  controller: "ProductEditCtrl as vm"  
})
```

## Routing States

```
.state("productEdit", {  
  url: "/products/edit/:productId",  
  templateUrl: "app/products/productEditView.html",  
  controller: "ProductEditCtrl as vm"  
})  
.state("productEdit.info", {  
  url: "/info",  
  templateUrl: "app/products/productEditInfoView.html"  
})  
.state("productEdit.price", {  
  url: "/price",  
  templateUrl: "app/products/productEditPriceView.html"  
})  
.state("productEdit.tags", {  
  url: "/tags",  
  templateUrl: "app/products/productEditTagsView.html"  
})
```

# State: productEdit

Acme Product Management

Product List

+ Add Product

Edit: Garden Cart

Basic Information

Price Details

Search Tags

Save

Cancel

Next >



# 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**

# Angular

## Line of Business Applications

**Business Requirements**



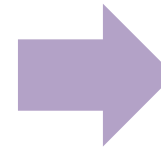
- Application Features
- Design Considerations
- Architecture

**Layout and Navigation**



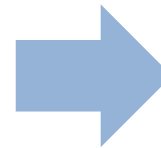
- Page Layout (View)
- Style (Bootstrap)
- Navigation (Routing)

**Data Access**



- Retrieving data
- Saving data

**Data Entry Forms**



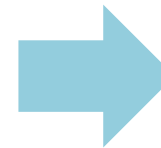
- Form layout
- Validation
- Submittal

**Business Logic**



- Services

**Data Visualization**



- Charts