

AngularJS

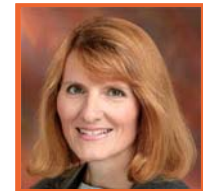
Line of Business Applications

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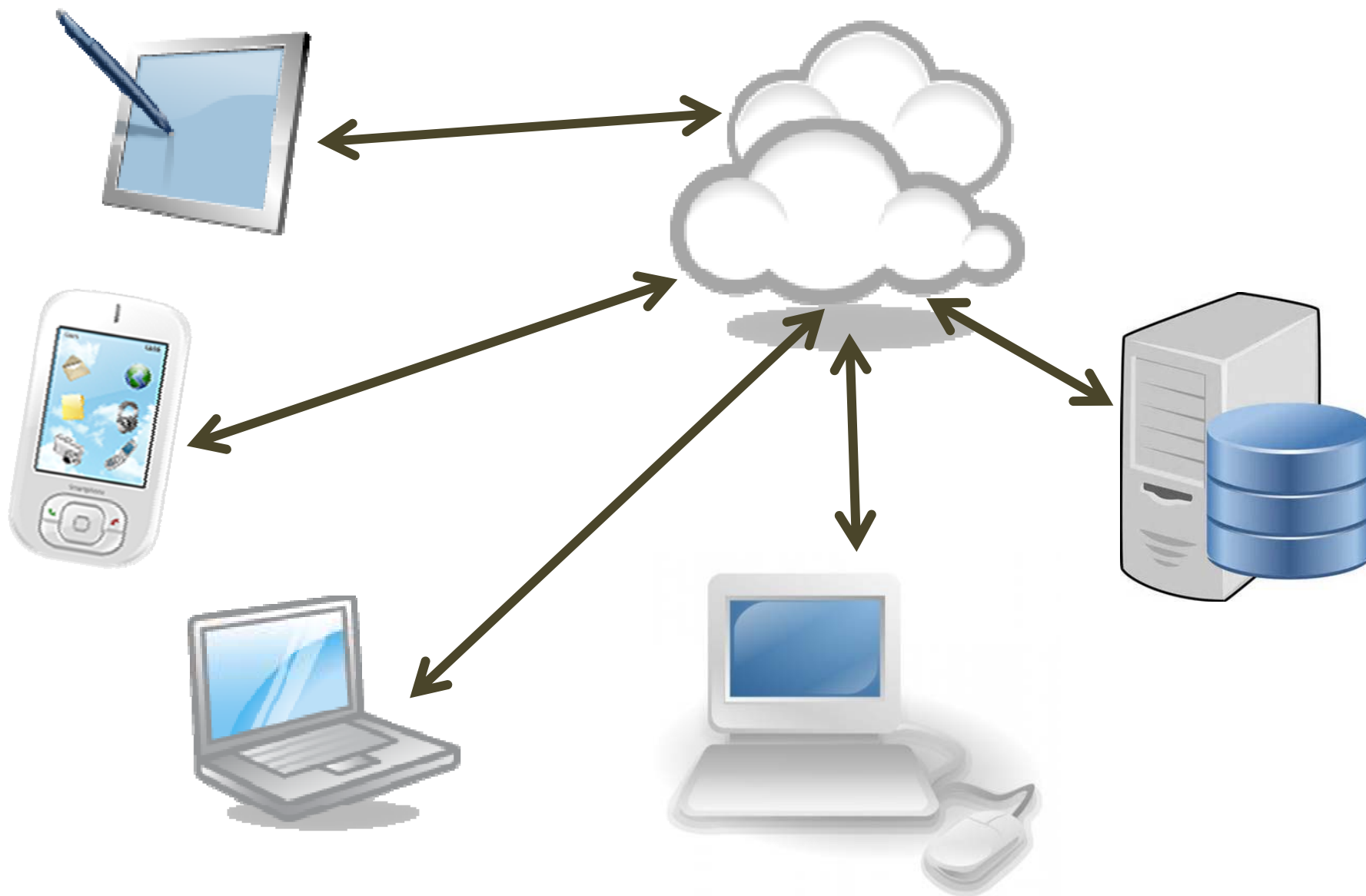
pluralsight 
hardcore dev and IT training



Why use Angular?

What are the key factors in building a line of business application?

How is a line of business application built with Angular?





- A **client-side** JavaScript framework for building **interactive** Web applications
- Brings **simple/clean** back to complex Web applications
- Originally developed by **Google**
- Now open source
 - <http://angularjs.org/>



Why **Angular**?

**Expressive
HTML**

Modularity

**Rule-based
Navigation**

**Powerful
Data Binding**

Testable

It's Popular






What Are the Key Factors in Building a Line of Business Application?

- Data is an Asset



What Is so Different About Building Line of Business Applications?

- Data is an Asset
- Amount of Data is Significant

Acme Product Management Product List + Add Product Price Analytics					
Product List					
Hide Image	Product	Code	Available	Price	
	Leaf Rake	GDN-0011	March 19, 2009	\$19.95	Edit
	Garden Cart	GDN-0023	March 18, 2010	\$32.99	Edit
	Hammer	TBX-0048	May 21, 2013	\$8.99	Edit
	Saw	TBX-0022	May 15, 2009	\$11.55	Edit
	Video Game Controller	GMG-0042	October 15, 2002	\$35.95	Edit


What is so Different about Building Line of Business Applications?

- Data is an Asset
- Amount of Data is Significant
- Number of Data Fields is Significant

Edit: Garden Cart

Basic Information Price Details Search Tags

Basic Product Information

Product Name	<input type="text" value="Garden Cart"/>
Product Code	<input type="text" value="GDN-0023"/>
Availability	<input type="text" value="03/18/2010"/> 
Description	<input type="text" value="15 gallon capacity rolling garden cart"/>

Save Cancel Next >

What is so Different about Building Line of Business Applications?

- Data is an Asset
- Amount of Data is Significant
- Number of Data Fields is Significant
- Data Integrity is Critical

The screenshot shows a web application interface for 'Basic Product Information'. At the top, there are three tabs: 'Basic Information' (active), 'Price Details', and 'Search Tags'. Below the tabs, the title 'Basic Product Information' is displayed. The form contains the following fields:

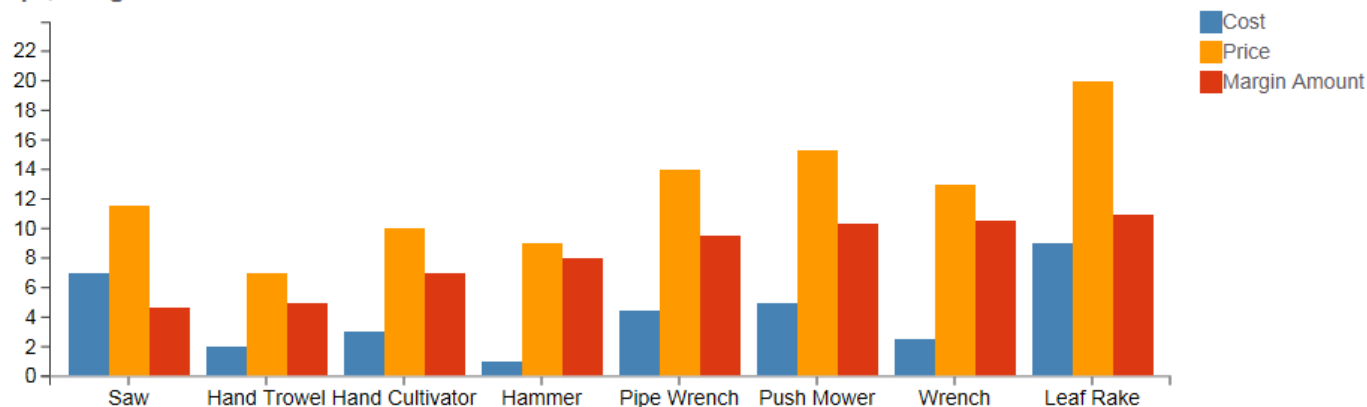
- Product Name:** A text input field containing 'Garden Cart'.
- Product Code:** A text input field with a red border and a red 'x' icon. To its right, a red error message states 'Product Code is required'.
- Availability:** A date input field showing '03/18/2010' with a calendar icon.
- Description:** A large text area containing the text '15 gallon capacity rolling garden cart'.

What is so Different about Building Line of Business Applications?

- Data is an Asset
- Amount of Data is Significant
- Number of Data Fields is Significant
- Data Integrity is Critical
- Data Visualization

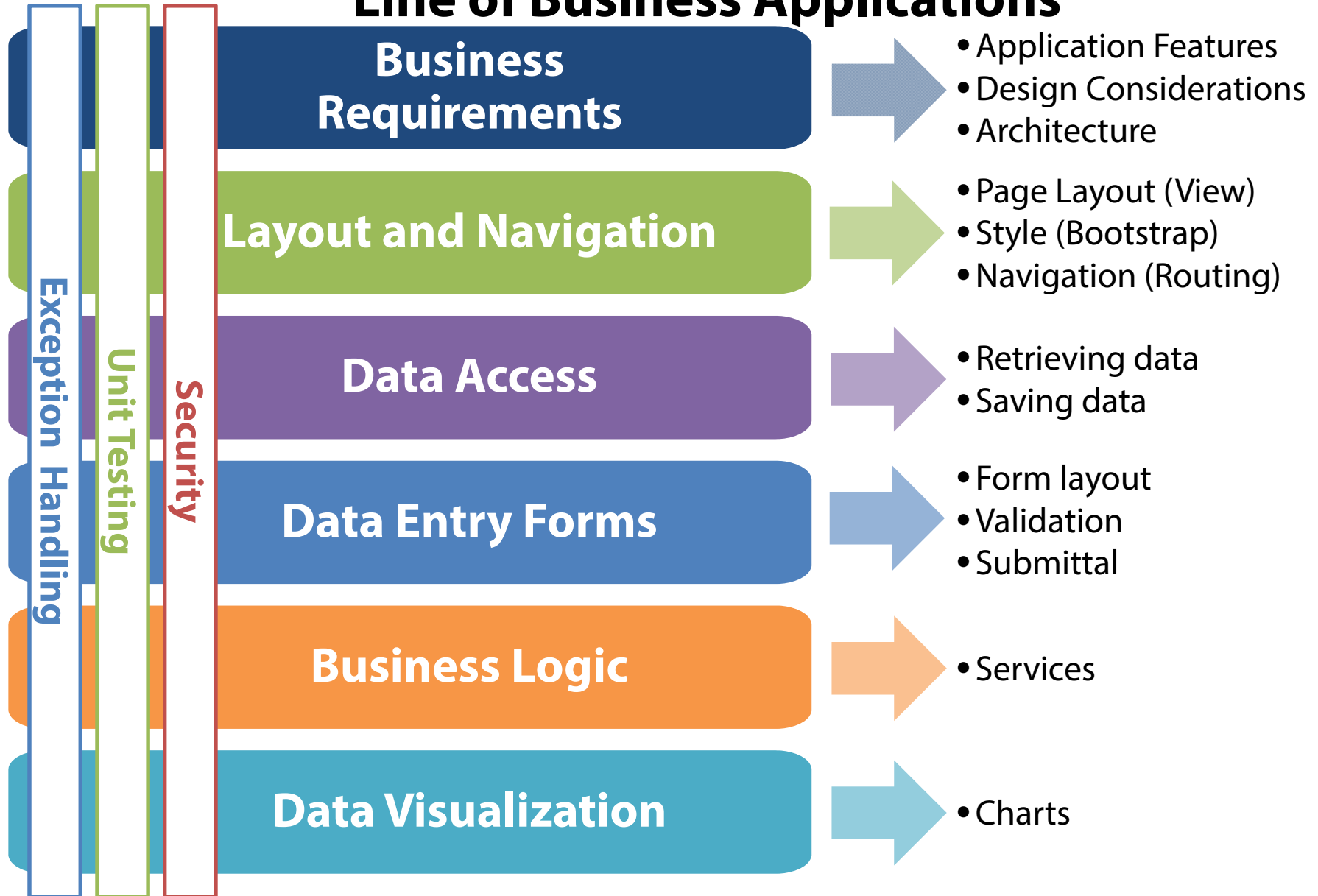
Price Analytics

Top \$ Margin Products



Angular

Line of Business Applications





Why use Angular?

What are the key factors in building a line of business application?

How is a line of business application built with Angular?

Prerequisites

HTML

```
<!DOCTYPE html >
<html >
<head | ang="en">
    <meta charset="UTF-8">
    <ti tle>Acme Product Management</ti tle>
</head>

<body>
</body>
</html >
```

Prerequisites

HTML

CSS

```

<div class="panel-heading"
      title="Acme Product Management"></div>
```

Prerequisites

HTML

CSS

JavaScript

```
var showImage = false;  
function toggleImage () {  
    showImage = !showImage;  
}
```

Prerequisites

HTML

CSS

JavaScript

AngularJS

```
<div ng-repeat=
  "product in products">
  <div>
    {{product.productName}}
  </div>
  <div>
    {{product.description}}
  </div>
</div>
```


Course Outline

**Building the
First Page**

**Accessing
Data**

**Routing to
Multiple
Pages**

**Building Data
Entry Forms**

**Performing
Validation**

**Defining
Business Logic
in a Service**

**Visualizing
Data with
Charts**

**Exception
Handling**

**Final Words,
Unit Testing,
Security**