AngularJS
Line of Business Applications

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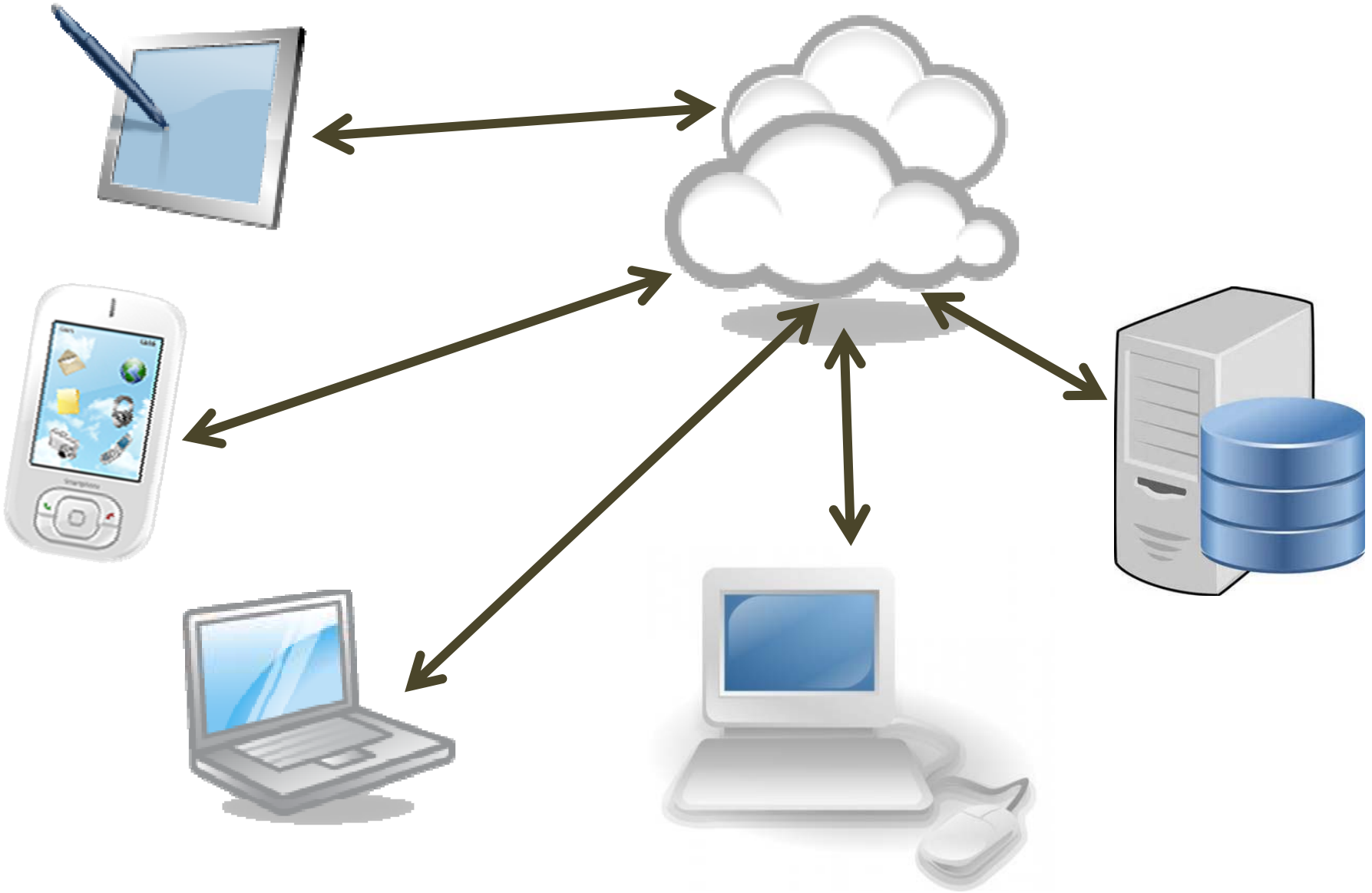
pluralsight
hardcore dev and IT training

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?



ANGULARJS by Google

- 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?

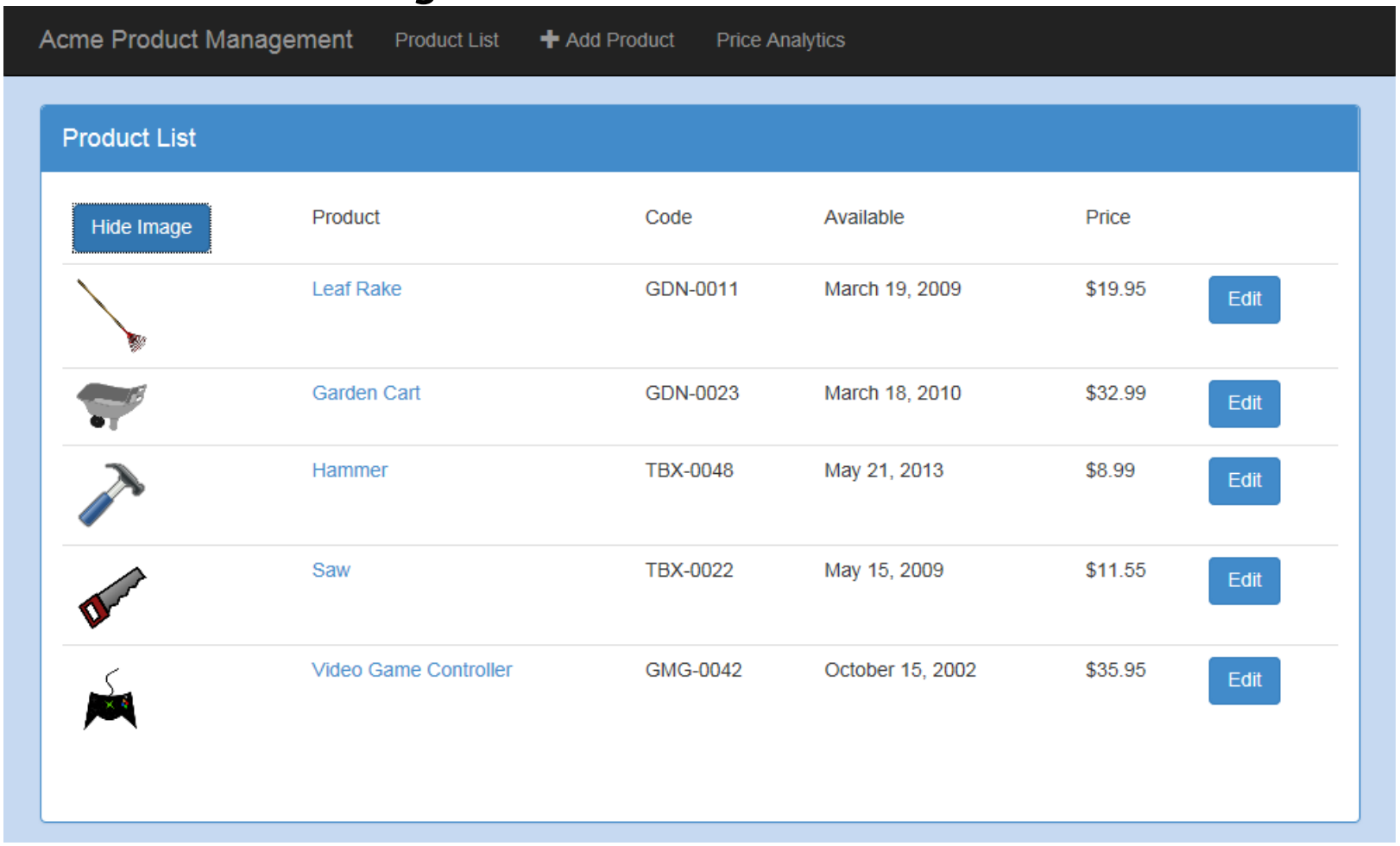
Expressive HTML	Modularity	Rule-based Navigation
Powerful Data Binding	Testable	It's Popular

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

- Data is an Asset

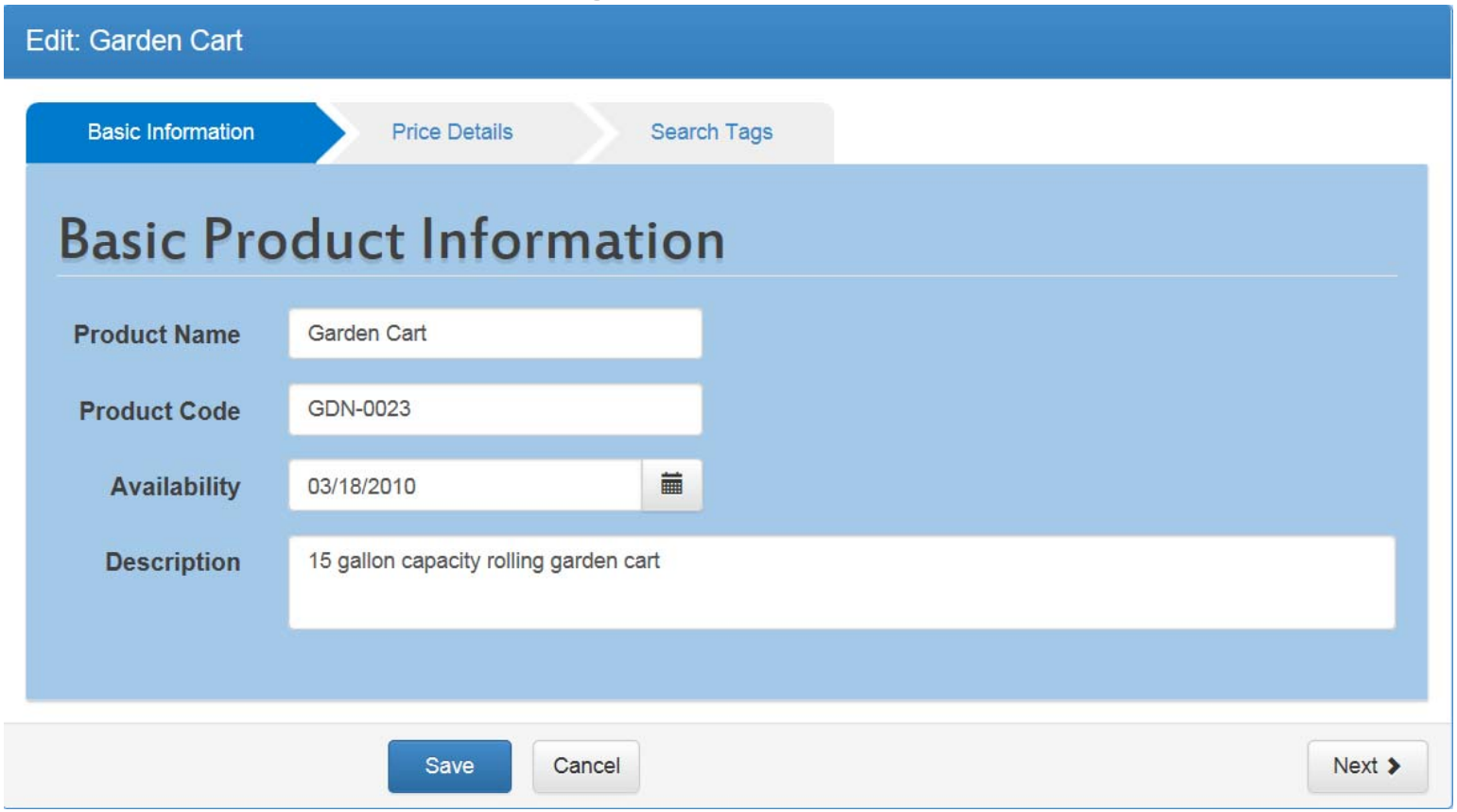
What Is so Different About Building Line of Business Applications?

- Data is an Asset
- Amount of Data is Significant



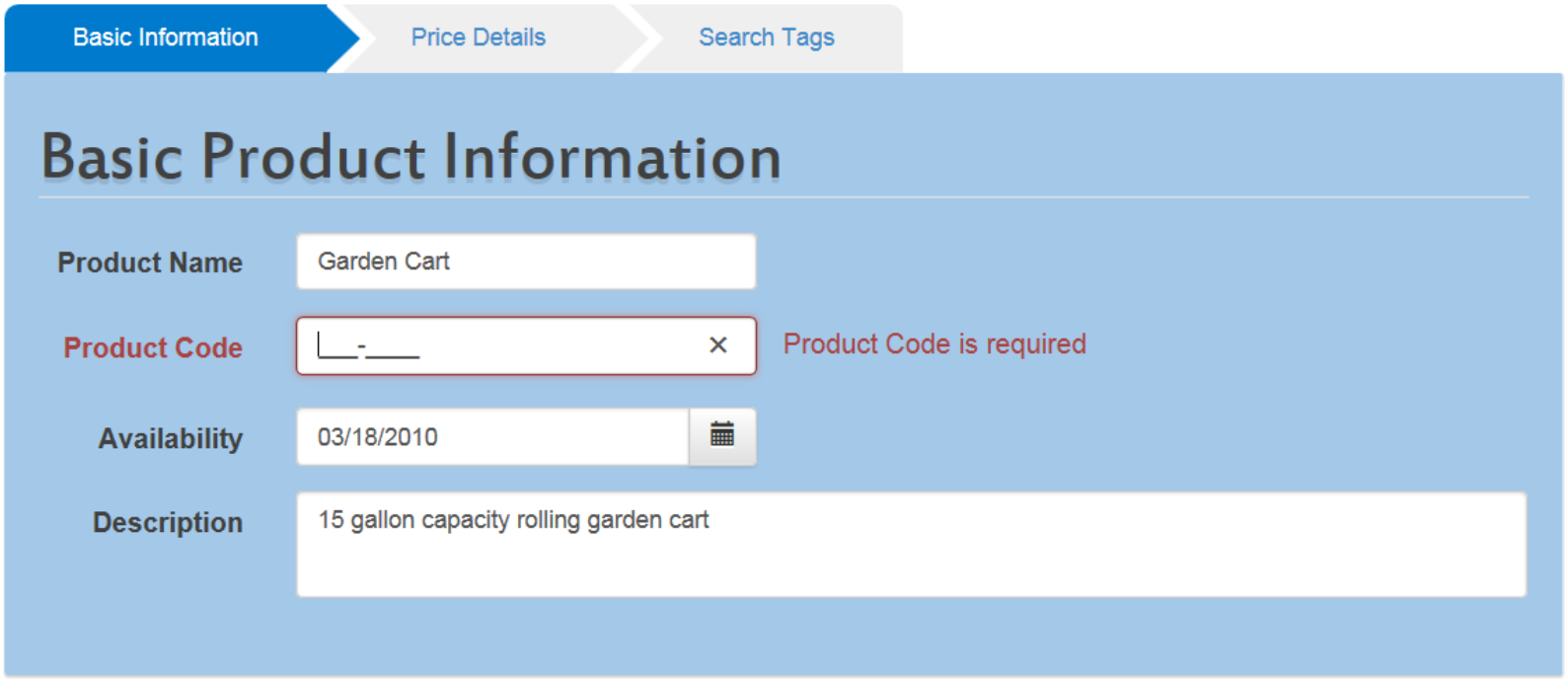
What is so Different about Building Line of Business Applications?

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



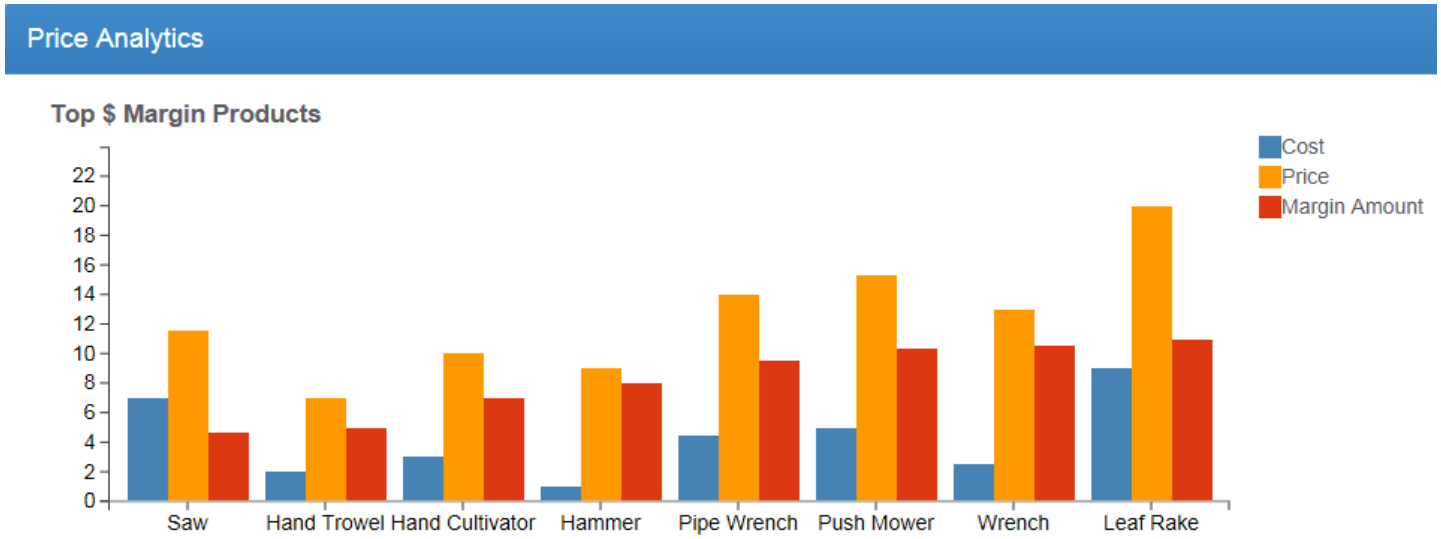
What is so Different about Building Line of Business Applications?

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

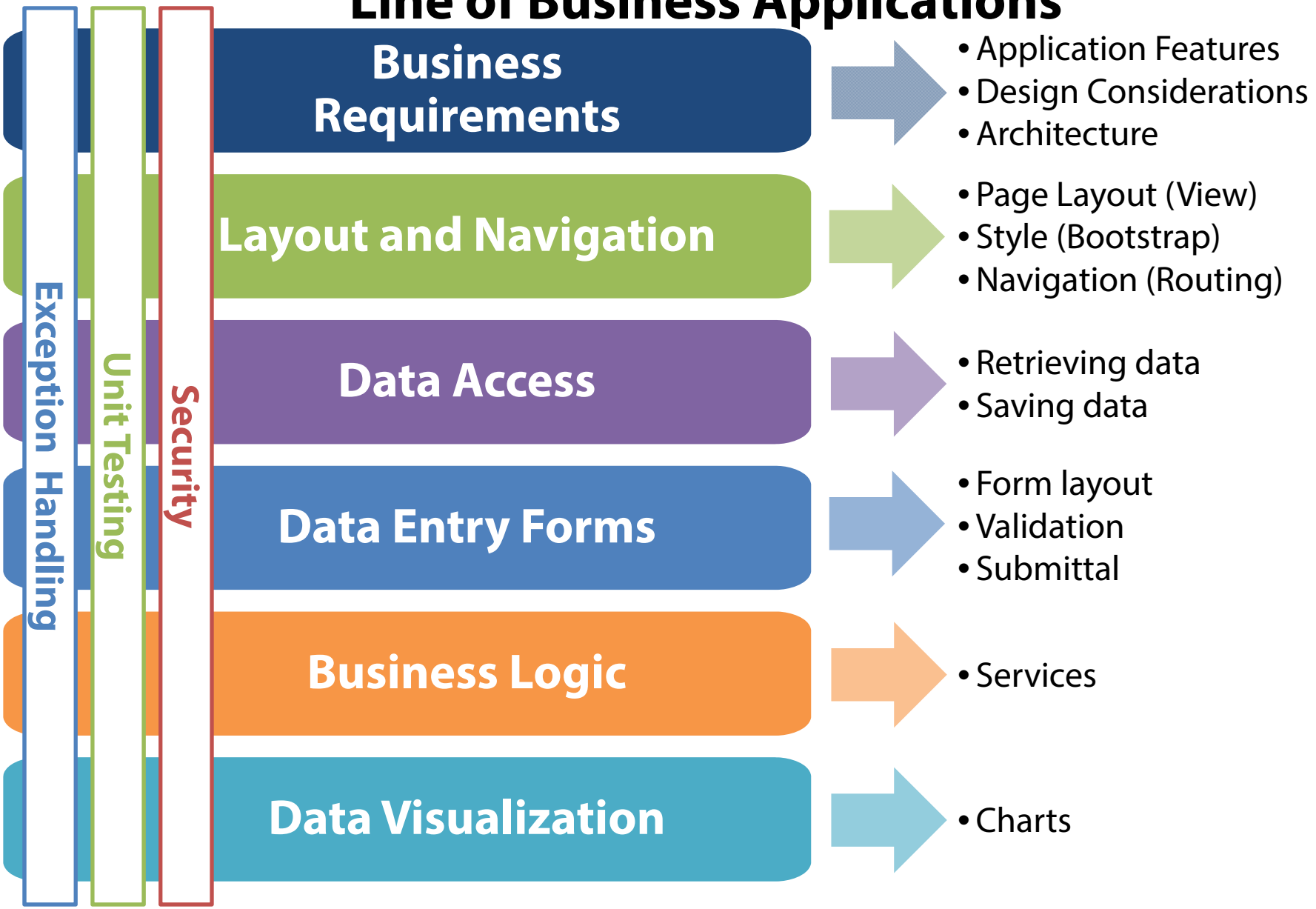


What is so Different about Building Line of Business Applications?

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



Angular
Line of Business Applications



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Prerequisites

HTML

```
<!DOCTYPE html>
<html>
<head lang="en">
    <meta charset="UTF-8">
    <title>Acme Product Management</title>
</head>

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

Prerequisites

HTML

CSS

```
<img src="images/logo.png"
     style="width:50px; margin:20px" />
<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