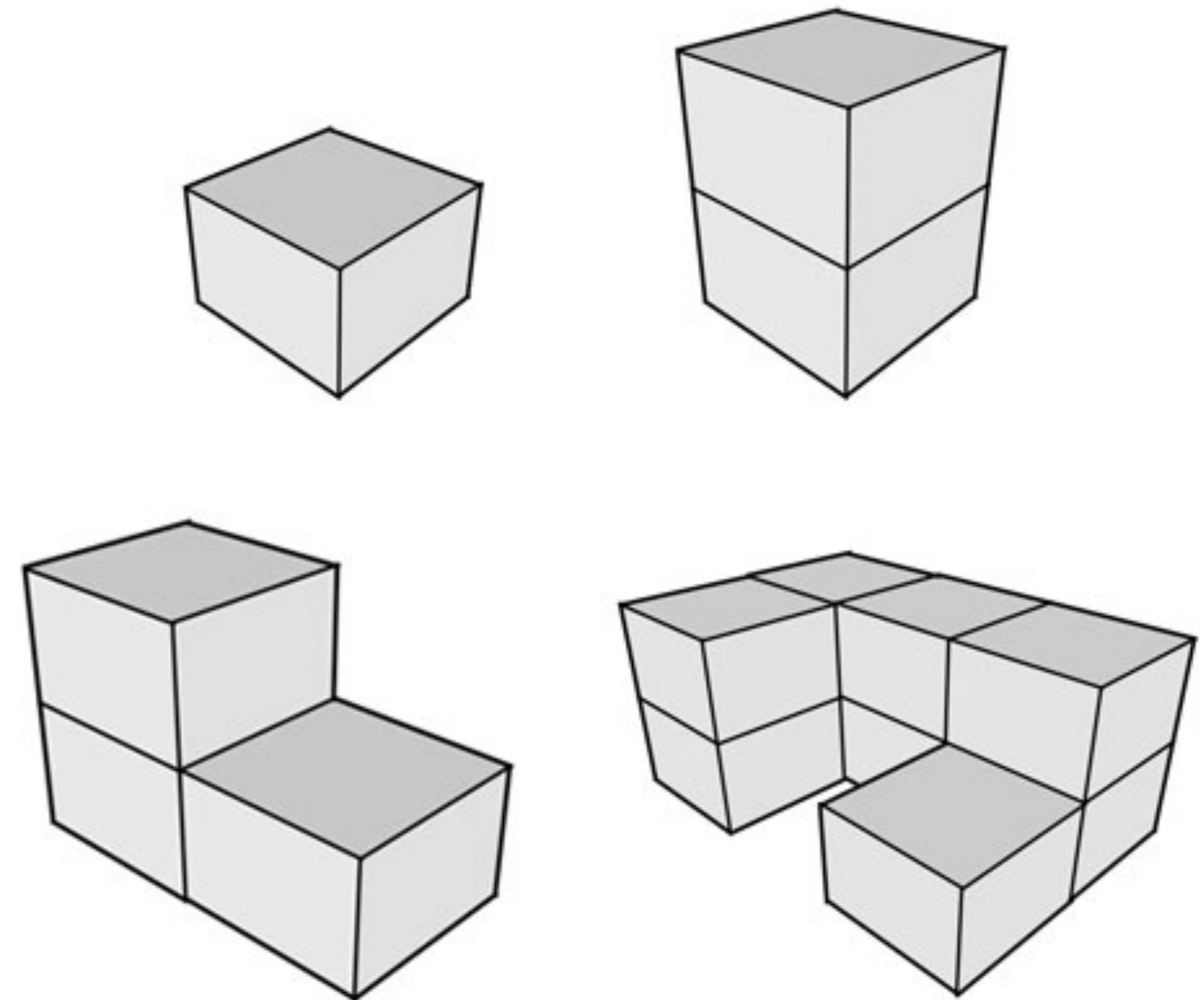
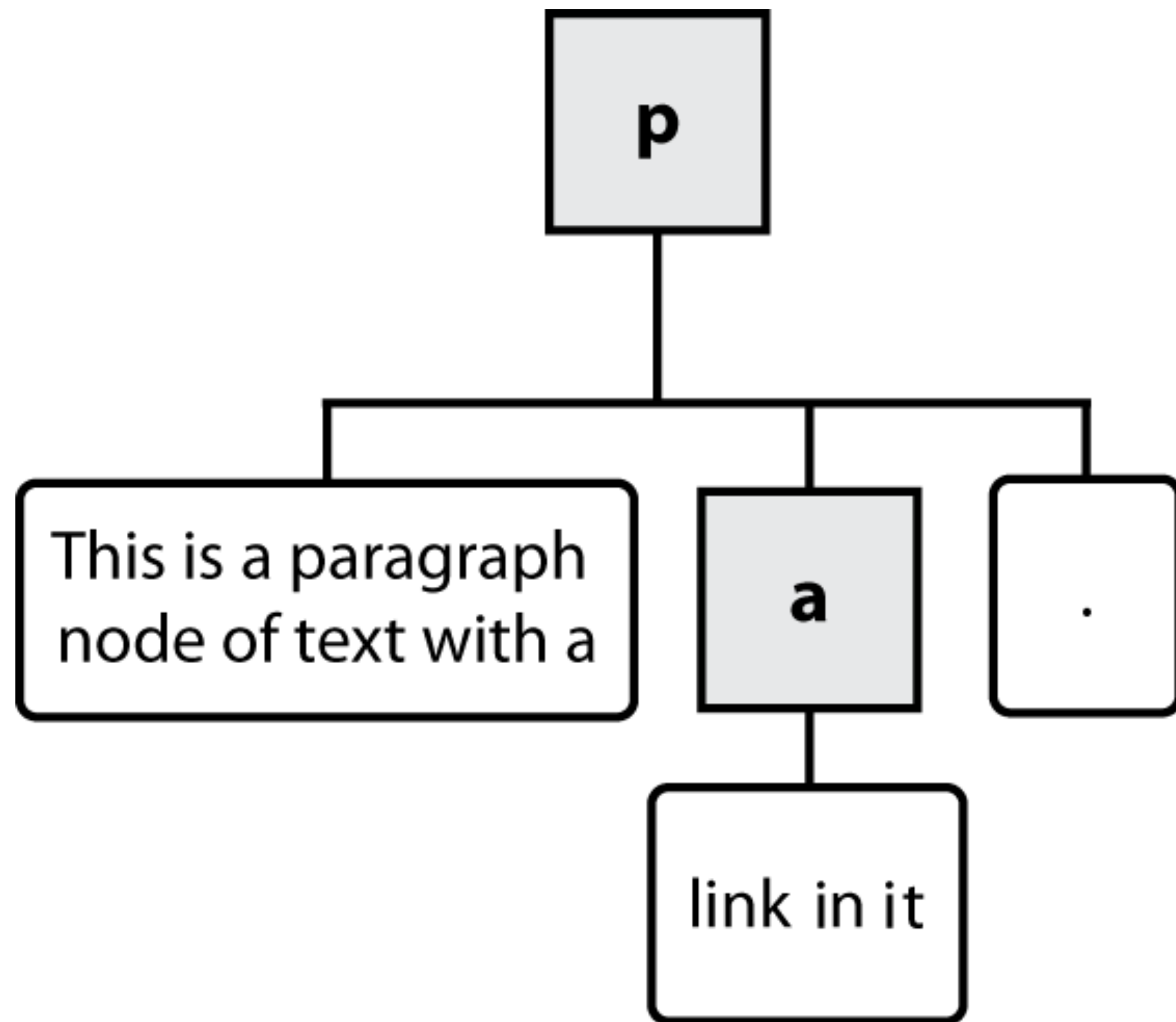


# ANGULAR.JS DIRECTIVES

---

*Component-based programming*



Search for people, places and things

Dustin

Home

1

Dustin Curtis

Edit Profile

News Feed

Messages

Events

Photos

Browse

GROUPS

Open House Supp...

12

Secret Group

7

Y Combinator

8

FADC

12

Men Who Whiskey

20+

memerablefashio...

20+

Create Group...

APPS

Games

15

FarmVille

FarmVille 2

Games Feed

20+

Notes

Gifts

ChefVille

On This Day

PAGES

Pages Feed

20+

Like Pages

20+

DEVELOPER

Update Status

Add Photos/Video

What's on your mind?

San Francisco

Public

Post

Andrew Wilkinson

1 min · Oak Bay, Canada ·

Waiter at the Oak Bay Marina Restaurant as he puts down the plate: "A lil' edamame action for ya"

Like · Comment · Share

2 people like this.

Write a comment...

Constantin Hofstetter

2 mins · Vienna, Austria ·

FB Keyboard Shortcuts: j / k: go through posts on timeline. c: new comment, p: new post, l: like the post.

Like · Comment · Share

Constantin Hofstetter

Oh.. and o: open (e.g. view a picture/open a link in a post)

1 min · Like

Write a comment...

Vinnie Lauria

via Fayza

3 mins ·

Love this, espresso the pyramids, was shocked to learn we could just take

Paul Stamatiou

likes your link.

Andrew Wilkinson

Waiter at the Oak Bay Marina Restaurant as he puts down the plate: "A lil' edamame action for ya"

Lizzie Lara

likes Glee's link.

Constantin Hofstetter

FB Keyboard Shortcuts: j / k: go through posts on timeline. c: new comment, p: new post, l: like the post.

Aditya Agarwal

is going to Propeller : LEE BURRIDGE ( All Day I Dream/ Get Weird UK) + Mark Slee.

Tuuti Piippo

likes an article.

3 events

this week

Chris-cricket Hynes

and 1 other

TRENDING

Learn More

Bradley Cooper

Bradley Cooper Disproves Louis C.K.'s Statement About The Student Audience of 'Inside The...

Fred Phelps

Westboro church founder Fred Phelps dies

Wheel of Fortune

'Wheel of Fortune': Guy makes unbelievable correct guess

See More

Chat

(50)

FULLSTACK

3

ANGULAR.JS DIRECTIVES



Search for people, places and things

Dustin

Home

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Dustin Curtis

Edit Profile

News Feed

Messages2

Events5

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Open House Supp...

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Wheel of Fortune:

'Wheel of Fortune': Guy makes unbelievable correct guess

See More

Chat (50)

<notification-feed>

<trending-list>

FULLSTACK

4

ANGULAR.JS DIRECTIVES







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Messages

Events

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Tuuti Piippo likes an article.

20

3 events this week

Chris-cricket Hynes and 1 other

TRENDING

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Freddie Highmore: Freddie Highmore Fred Phelps dies

Wheel of Fortune: 'Wheel of Fortune': Guy makes unbelievable correct guess

See More

Chat (50)

<notification-feed>

<status-update>

<status-update>

<trending-list>

<status-update>

FULLSTACK

6

ANGULAR.JS DIRECTIVES



**Andrew Wilkinson**

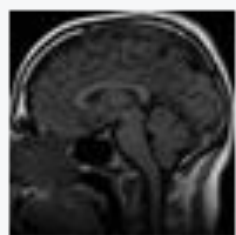
1 min · Oak Bay, Canada · 



Waiter at the Oak Bay Marina Restaurant as he puts down the plate: "A lil' edamame action for ya"

Like · Comment · Share

 2 people like this.



Write a comment...







**Andrew Wilkinson**  
1 min · Oak Bay, Canada · 

<profile-short>

▼

Waiter at the Oak Bay Marina Restaurant as he puts down the plate: "A lil' edamame action for ya"

Like · Comment · Share

 2 people like this.



Write a comment... 





Andrew Wilkinson

1 min · Oak Bay, Canada · 

▼

Waiter at the Oak Bay Marina Restaurant as he puts down the plate: "A lil' edamame action for ya"

Like · Comment · Share <status-options>

 2 people like this.



Write a comment... 



**Andrew Wilkinson**  
1 min · Oak Bay, Canada · 



Waiter at the Oak Bay Marina Restaurant as he puts down the plate: "A lil' edamame action for ya"

Like · Comment · Share

 2 people like this.







# Home Page

News Feed

Messaging

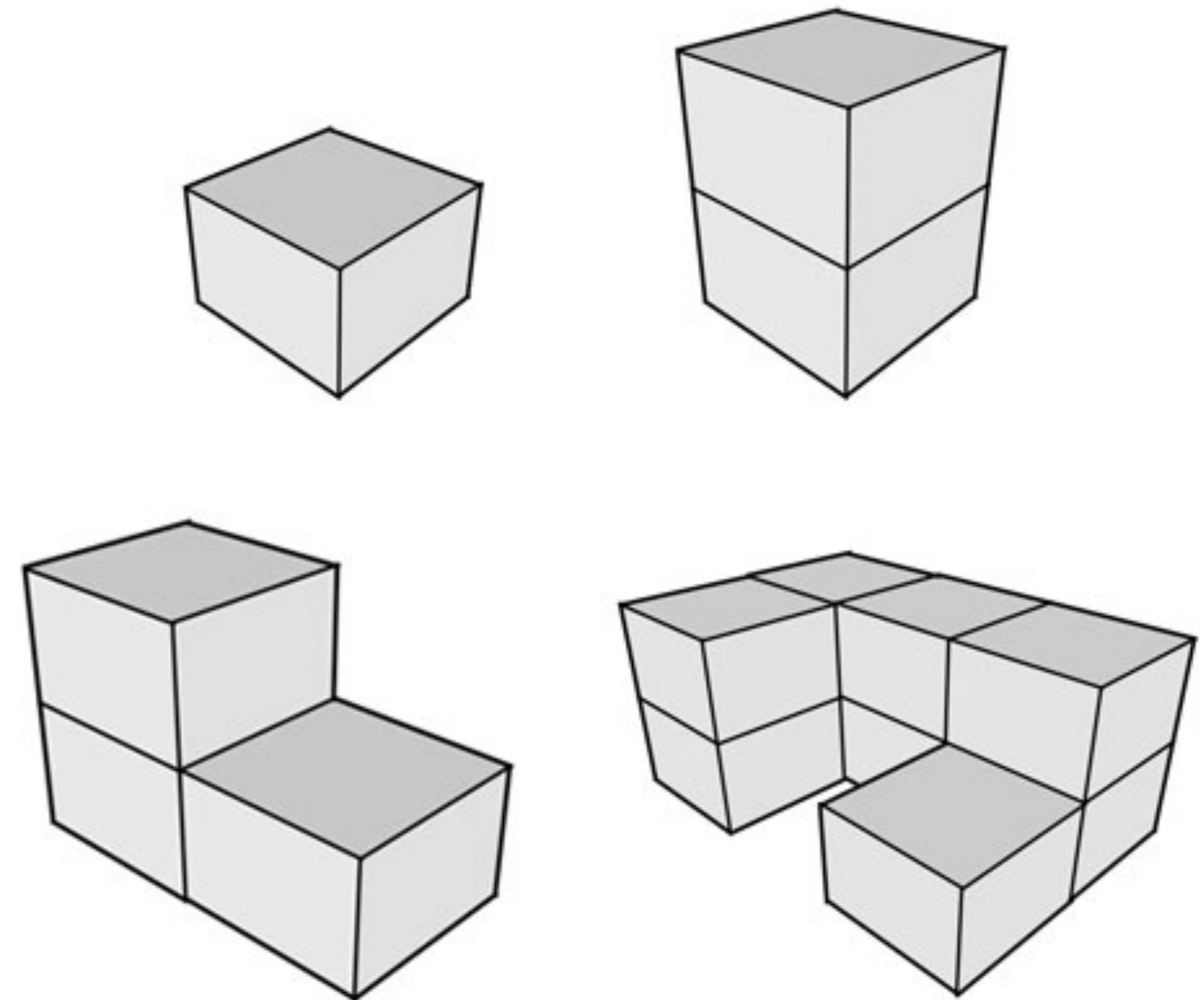
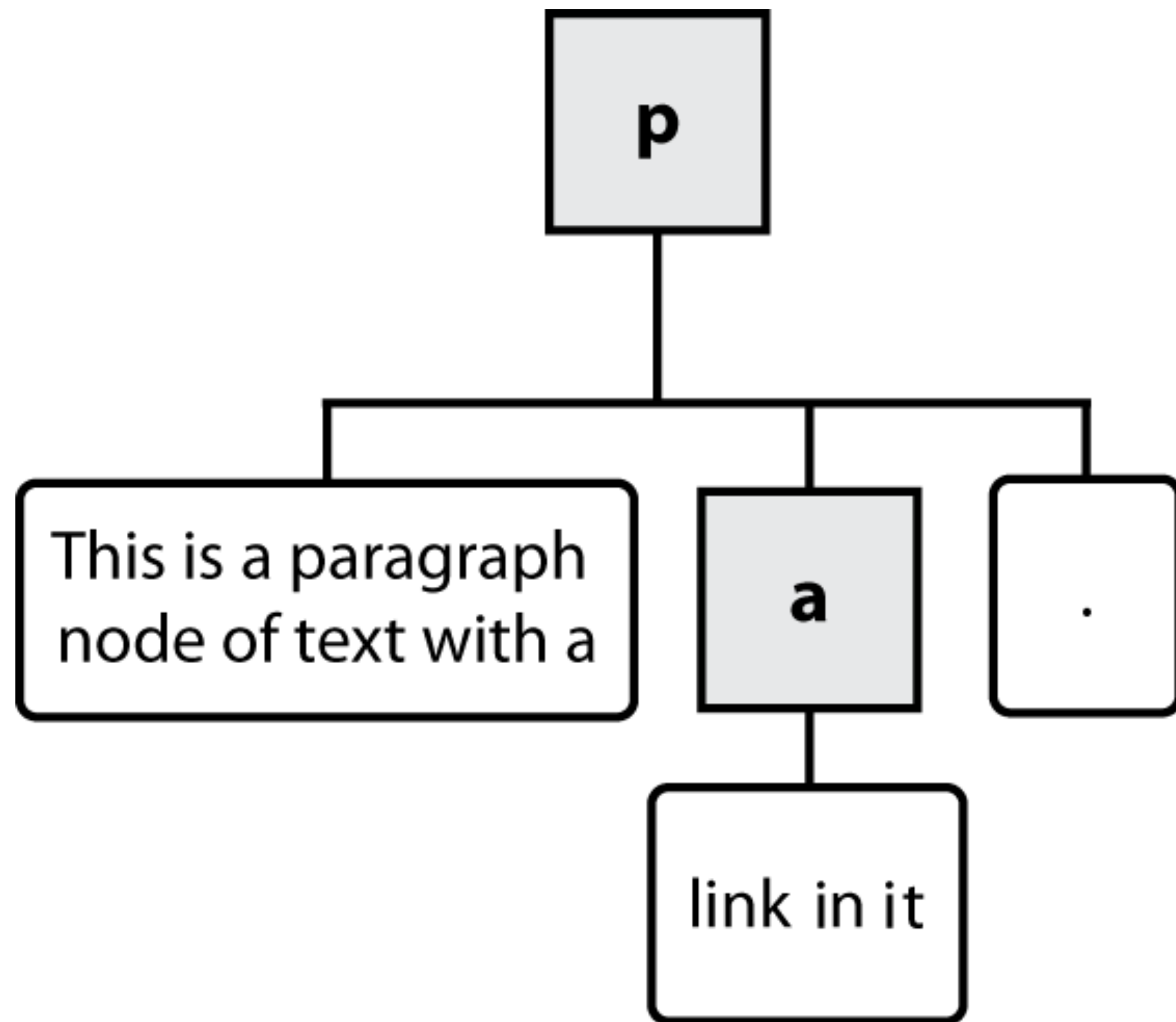
Trending List

# Messaging

Private  
Messages

Buddy List

Group Chats







HTML enhanced for web apps!

# ANGULAR.JS DIRECTIVES

---

*It's your HTML, enhanced for web apps!*



```
<div ng-app="Facebook">
```

```
  <status-update></status-update>
```

```
</div>
```

# THE BASICS



```
app.directive( 'statusUpdate', function () {} );
```

```
app.directive( 'statusUpdate', function () {} );
```

```
app.directive( 'statusUpdate', function () {  
    return {};  
});
```



```
app.directive('statusUpdate', function () {  
    return {};  
});
```

Directive Definition



```
app.directive( 'statusUpdate', function () {  
    return {  
        restrict: 'E'  
    };  
});
```

```
app.directive('statusUpdate', function () {  
  return {  
    restrict: 'E',  
    template: '<h1>Look at this thing I ate!</h1>'  
  };  
});
```



```
<div ng-app="Facebook">
```

```
  <status-update></status-update>
```

```
</div>
```



# CAMEL CASE AND HYPHENATED CASE

```
app.directive('helloThere', function () {  
  return {  
    restrict: 'E',  
    template: '<h1>Hello there!</h1>'  
  };  
});
```

**<hello-there></hello-there>**

```
<div ng-app="MyAngularApp">

  <ul class="navigation"
      ng-controller="NavigationController">

    <li ng-repeat="page in pages"
        ng-click="goTo(page)">
      {{ page }}
    </li>

  </ul>

  <div ng-controller="MainController">
    <status-update ng-repeat="update in updates">
    </status-update>
  </div>

</div>
```



```
<div ng-app="MyAngularApp">
  <ul class="navigation"
    ng-controller="NavigationController">
    <li ng-repeat="page in pages"
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  <div ng-controller="MainController">
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</div>
```

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  </div>
</div>
```



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  <div ng-controller="MainController">
    <status-update ng-repeat="update in updates">
    </status-update>
  </div>
</div>
```

# ATTRIBUTE DIRECTIVES

---

*Not just components, behavior!*

```
app.directive('enter', function () {});
```



```
app.directive('enter', function () {  
    return {};  
});
```

```
app.directive('enter', function () {  
  return {  
    restrict: 'A'  
  };  
});
```

```
app.directive('enter', function () {  
  return {  
    restrict: 'A'  
  };  
});
```

**A** is for **Attribute**

```
app.directive('enter', function () {  
  return {  
    restrict: 'A'  
  };  
});
```

**A** is for **Attribute**

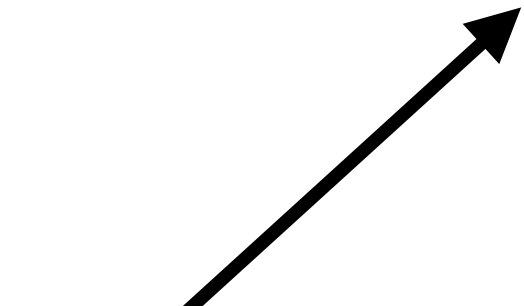
**E** is for **Element**



```
app.directive('enter', function () {  
    return {  
        restrict: 'A',  
        link: function () {}  
    };  
});
```

```
<div ng-app="MyAngularApp">
  <ul class="navigation"
    ng-controller="NavigationController">
    <li ng-repeat="page in pages"
      ng-click="goTo(page)">
      {{ page }}
    </li>
  </ul>
  <div ng-controller="MainController">
    <status-update ng-repeat="update in updates">
    </status-update>
  </div>
</div>
```

```
app.directive('enter', function () {  
  return {  
    restrict: 'A',  
    link: function () {}  
  };  
});
```



Called when the scope and corresponding  
element are “linked” or “combined”

```
app.directive('enter', function () {  
    return {  
        restrict: 'A',  
        link: function (scope, element, attrs) {}  
    };  
});
```



```
app.directive('enter', function () {  
  return {  
    restrict: 'A',  
    link: function (scope, element, attrs) {}  
  };  
});
```

Scope    Element    Attributes

# ISOLATE SCOPE

---

```
<body ng-app="iTunes" ng-controller="MainController">
```

```
  <song></song>
```

```
</body>
```

```
<body ng-app="iTunes" ng-controller="MainController">
```

```
  <song></song>
```

```
</body>
```



```
  
<h1>{{ song.title }}</h1>  
<h2>{{ song.artist }}</h2>
```

# Shared and Isolate Scope

