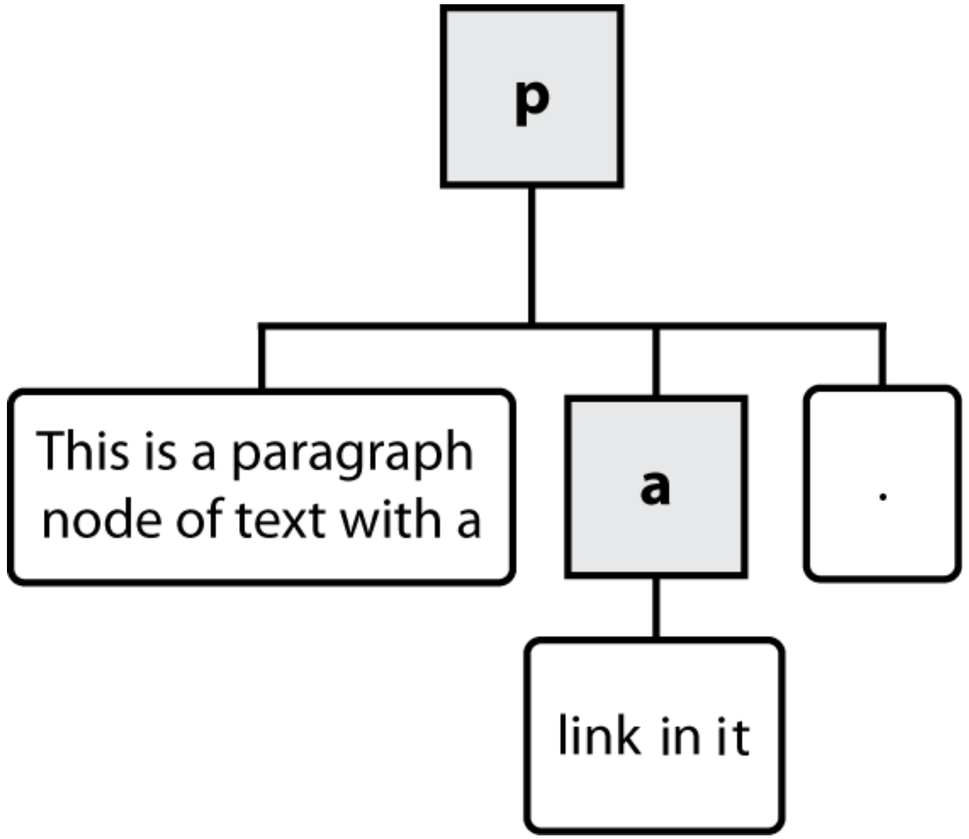
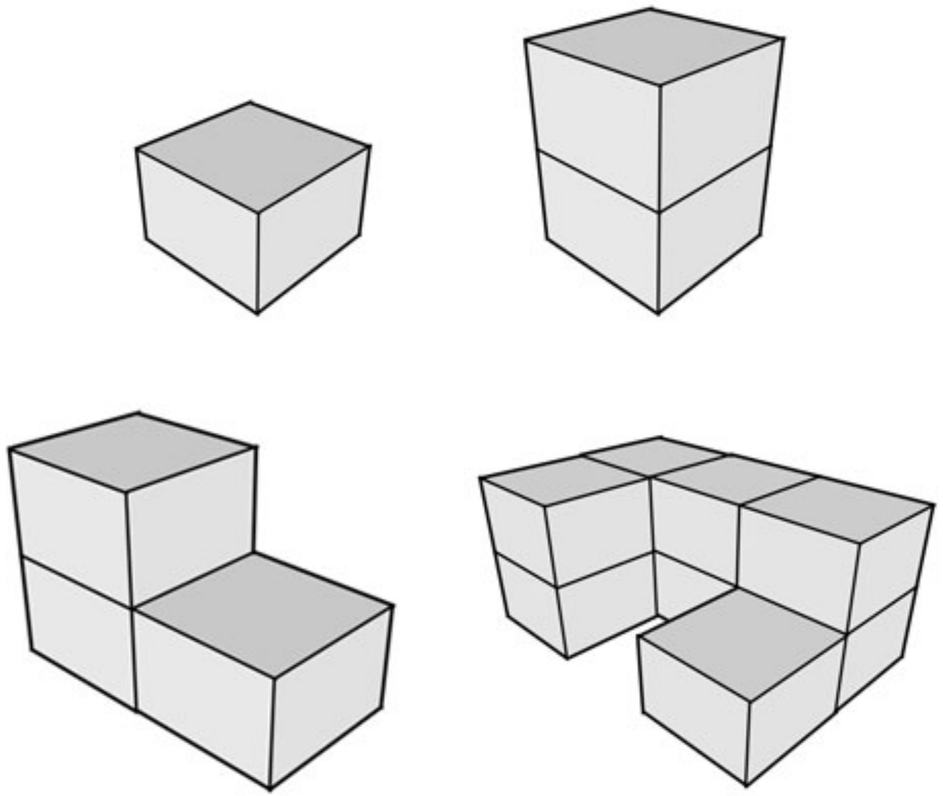
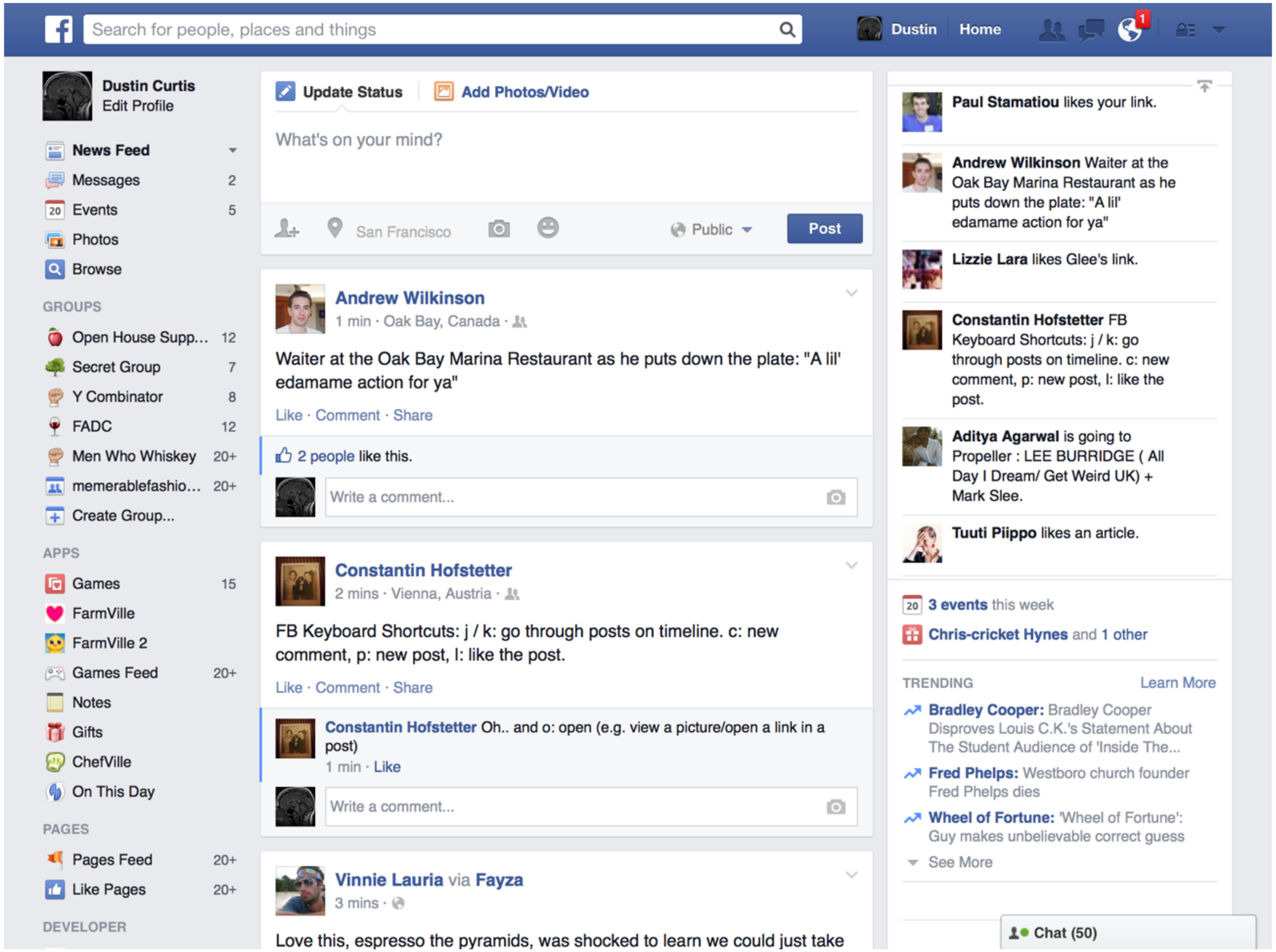
ANGULAR.JS DIRECTIVES

Component-based programming


p
This is a paragraph node of text with a
a
.
link in it




Search for people, places and things
Dustin
Home
Dustin Curtis
Edit Profile
News Feed
Messages 2
Events 5
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 ·
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Aditya Agarwal is going to Propeller : LEE BURRIDGE (All Day I Dream/ Get Weird UK) + Mark Slee.
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3 events this week
Chris-cricket Hynes and 1 other
TRENDING
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Fred Phelps: Westboro church founder Fred Phelps dies
Wheel of Fortune: 'Wheel of Fortune': Guy makes unbelievable correct guess
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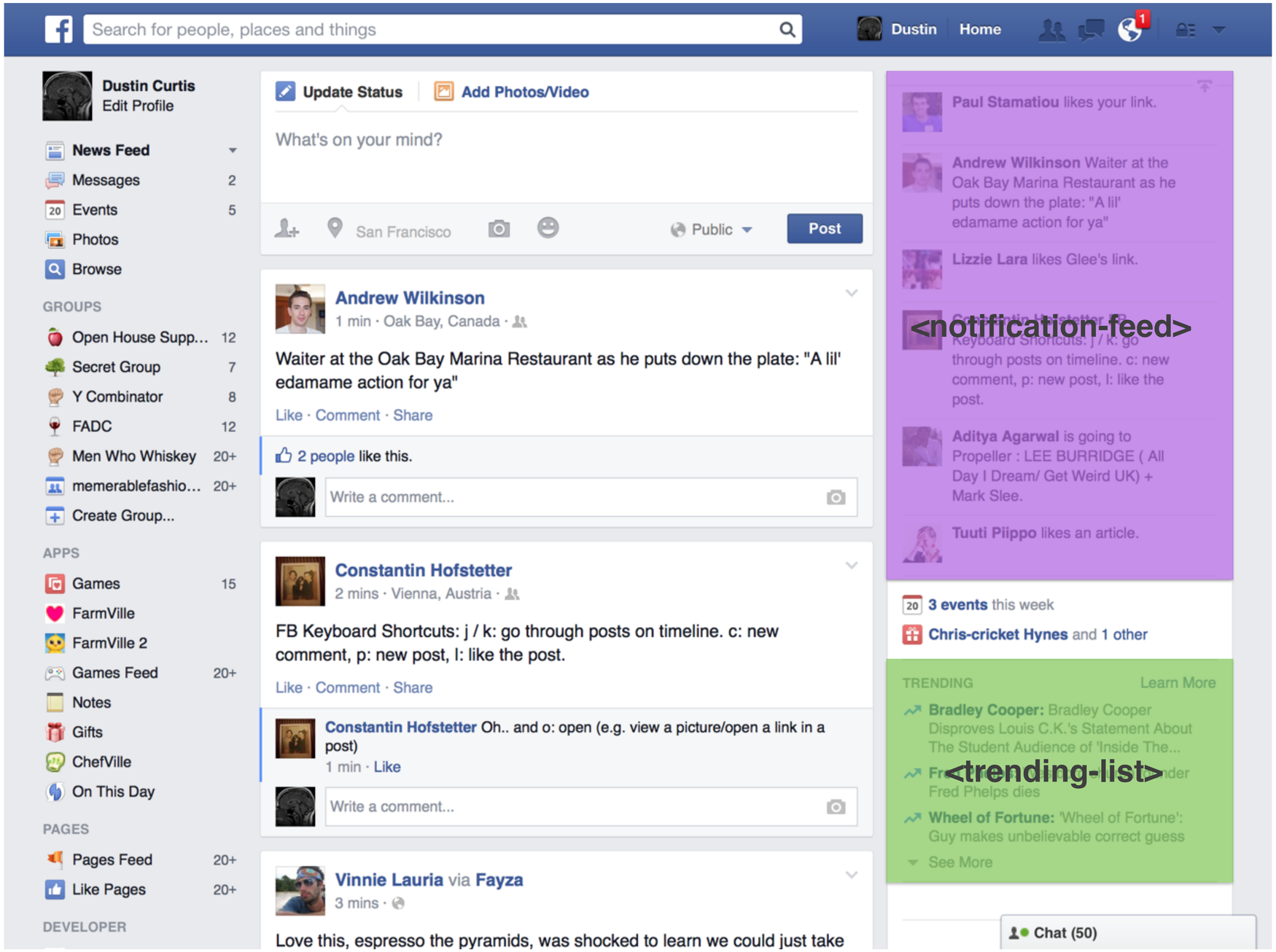
Chat (50)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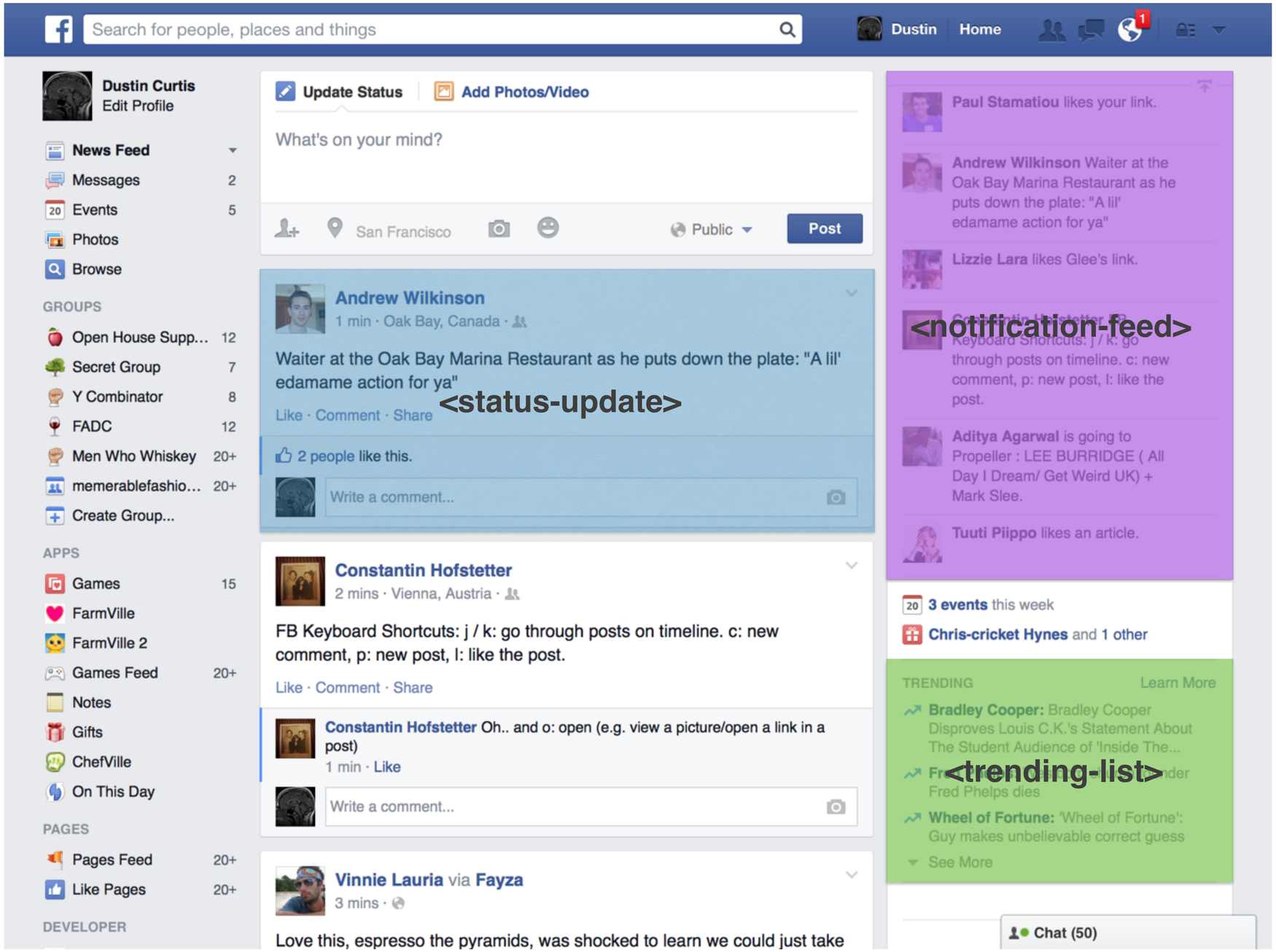
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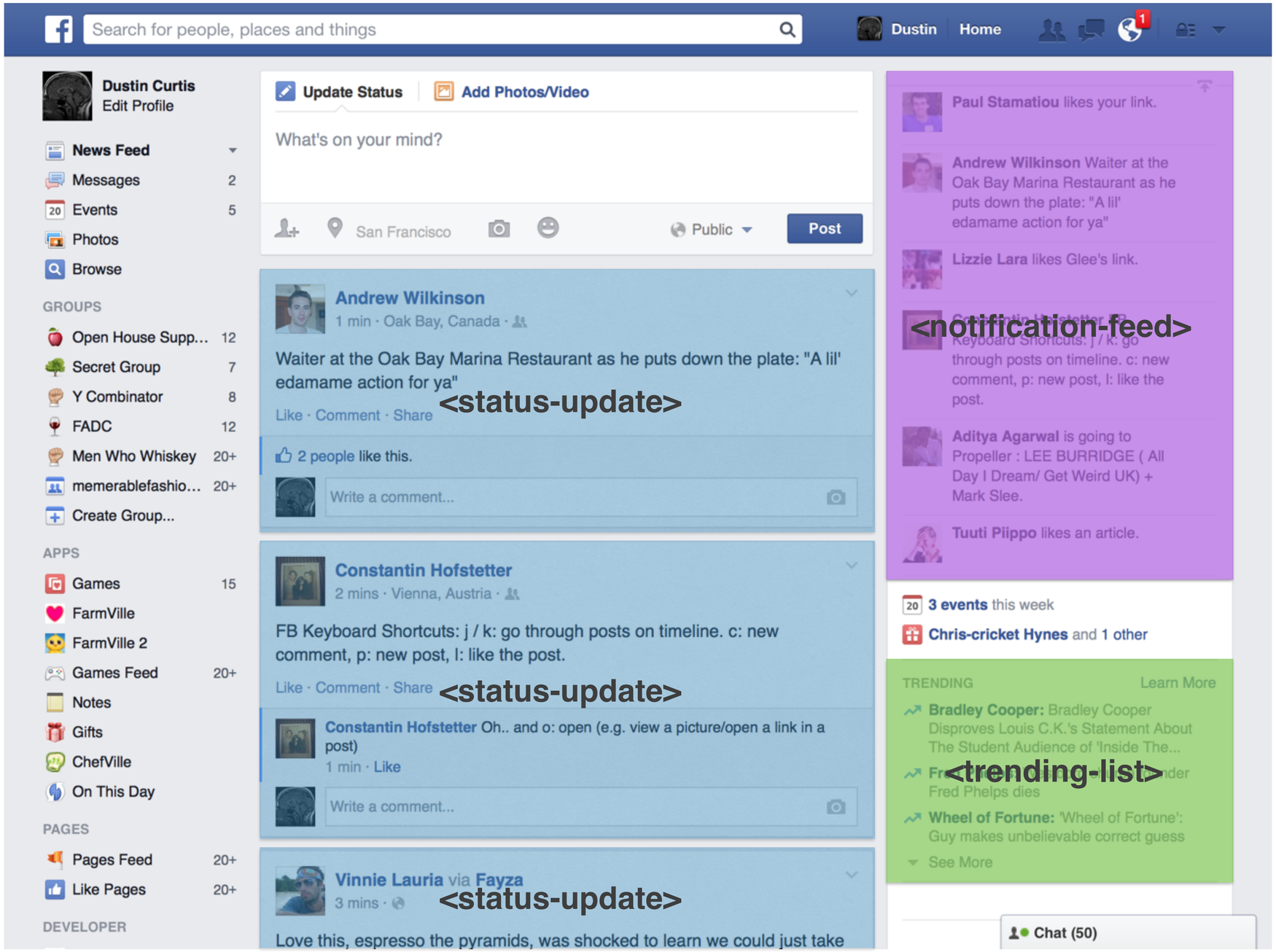
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1 min · Oak Bay, Canada ·

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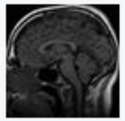

Write a comment...

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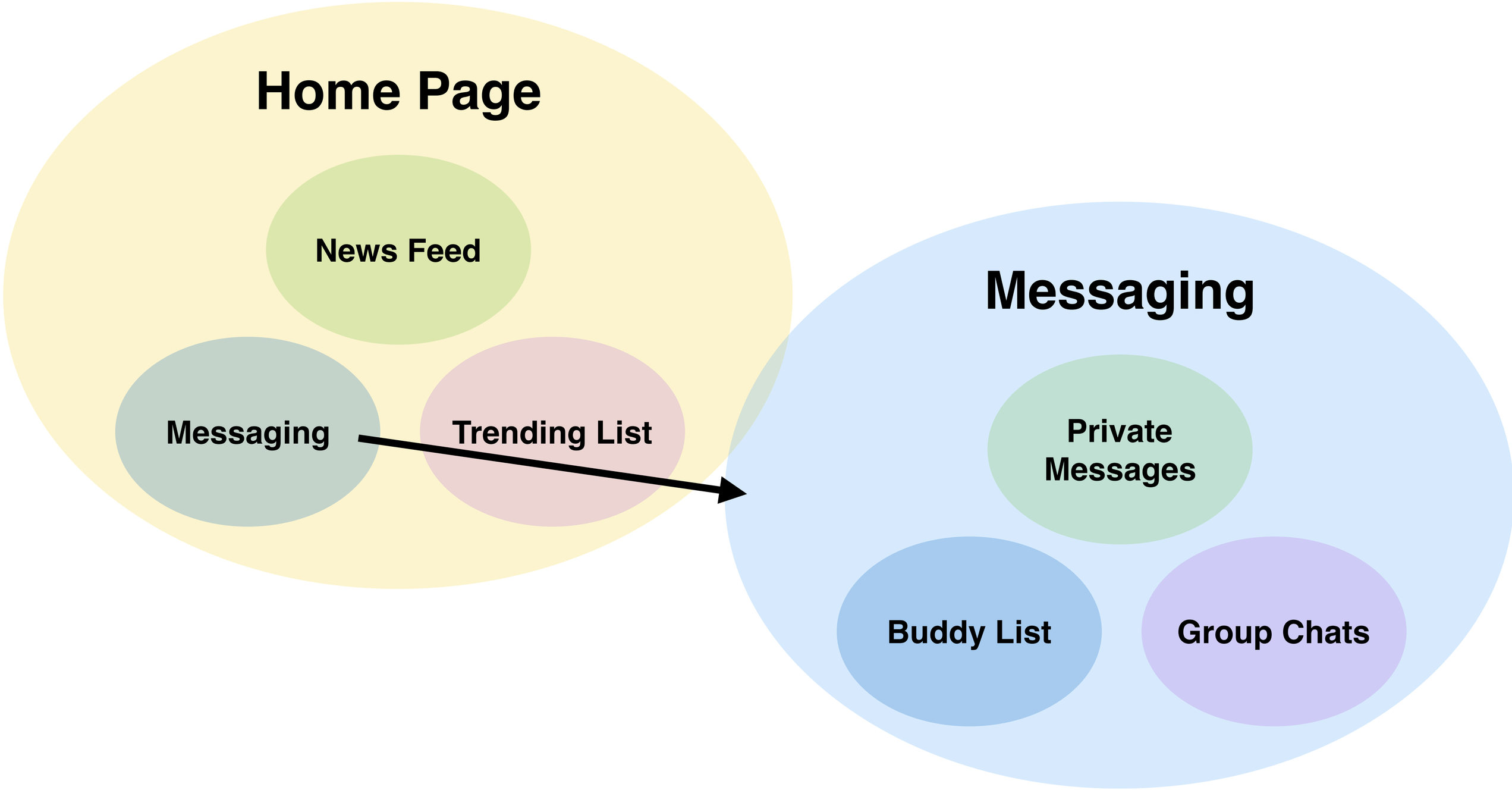
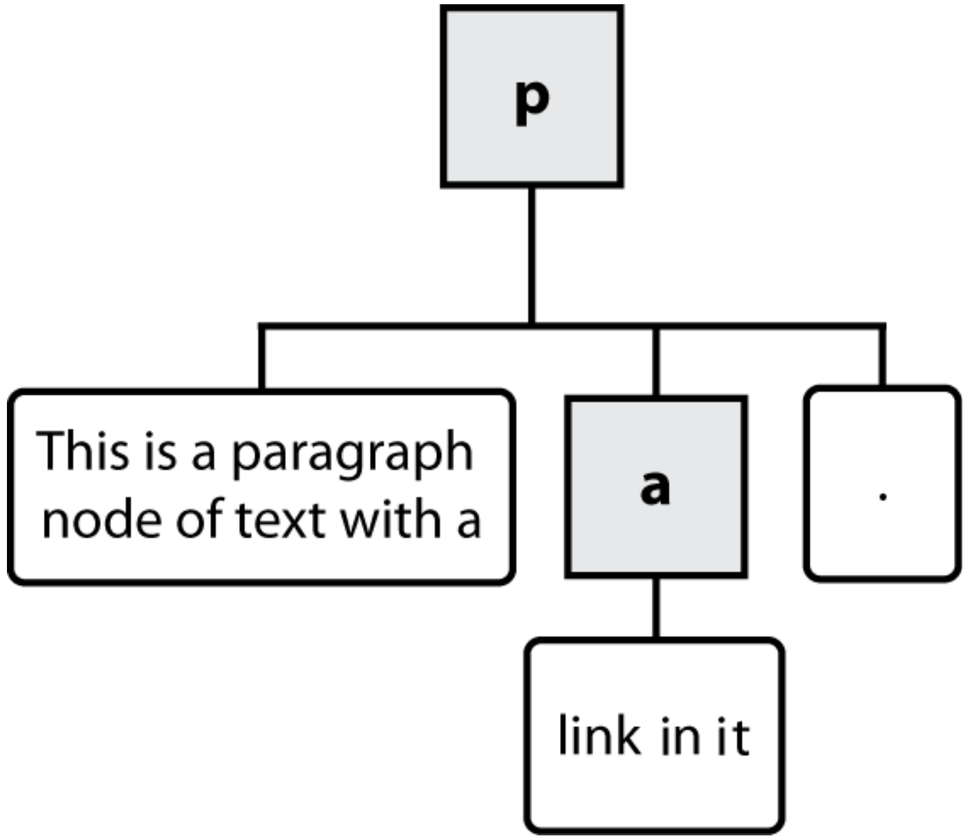

Home Page
News Feed
Messaging
Trending List
Messaging
Private Messages
Buddy List
Group Chats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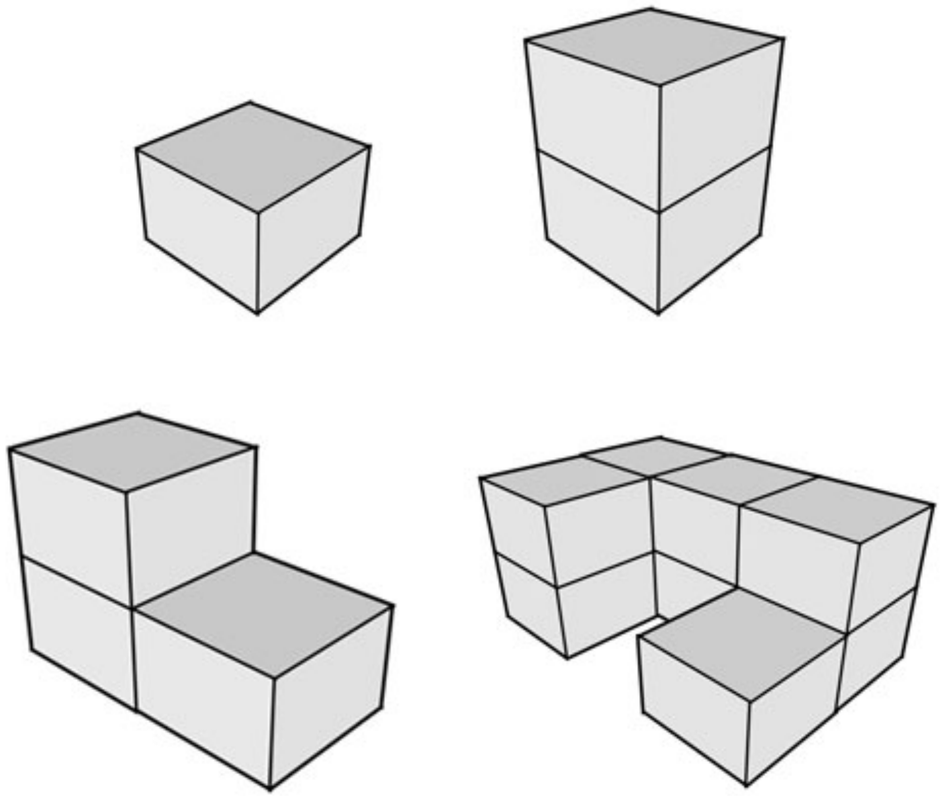

HTML enhanced for web apps!

ANGULAR.JS DIRECTIVES

It's your HTML, enhanced for web apps!

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"
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        <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>
```

```
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    return {
        restrict: 'A',
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});
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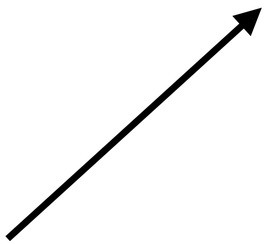


Called when the scope and corresponding element are “linked” or “combined”

```
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 **E**lement **A**ttributes

ISOLATE SCOPE

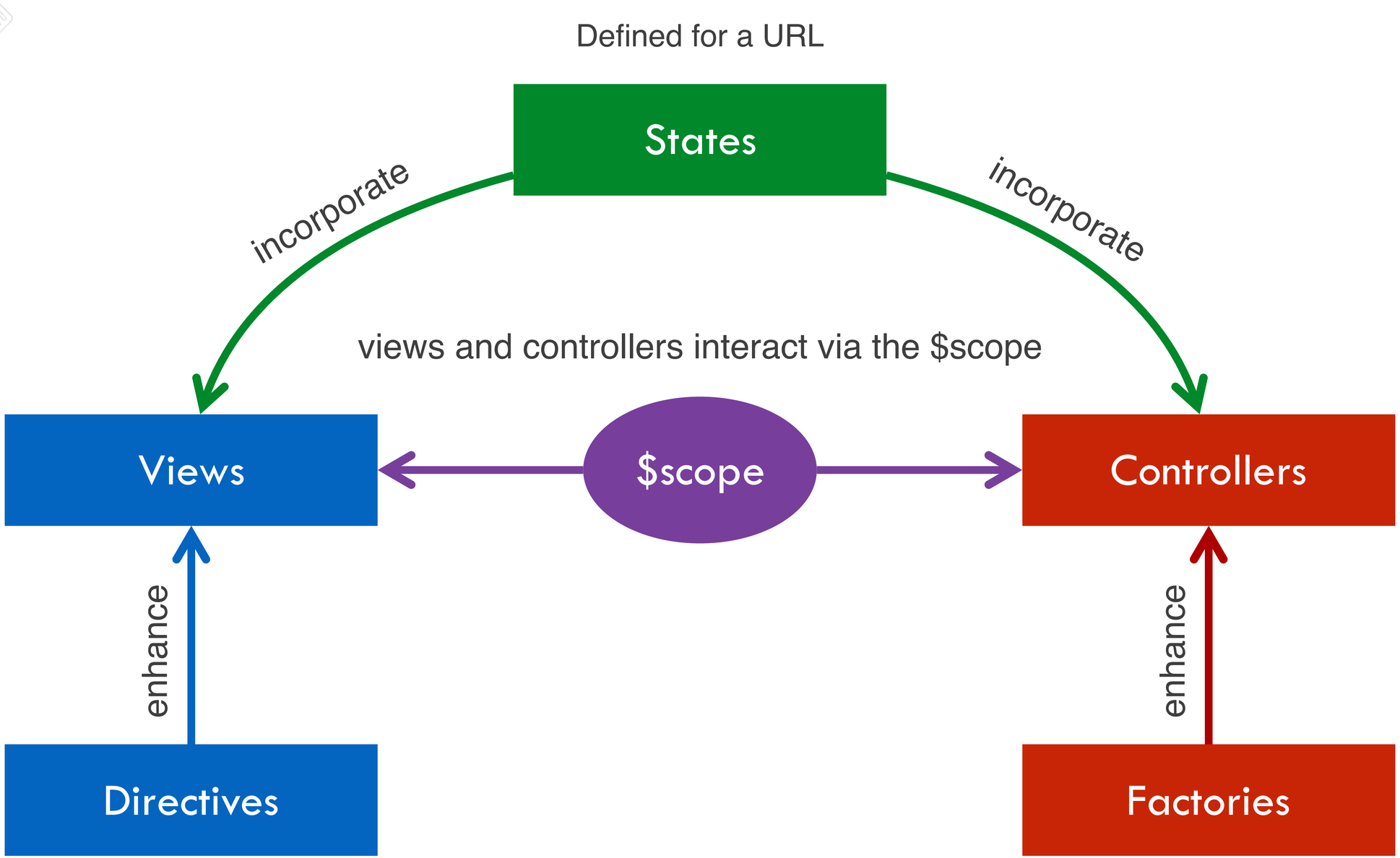
```
<body ng-app="iTunes" ng-controller="MainController">
    <song></song>
</body>
```

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

    <song></song>

</body>
```

```
<img ng-src="{{ song.albumArt }}" />
<h1>{{ song.title }}</h1>
<h2>{{ song.artist }}</h2>
```


Defined for a URL
States
incorporate
incorporate
views and controllers interact via the $scope
Views
$scope
Controllers
enhance
enhance
Directives
Factories