



TRP.

407

try ember



Level 1

# Getting Started

What Is Ember?

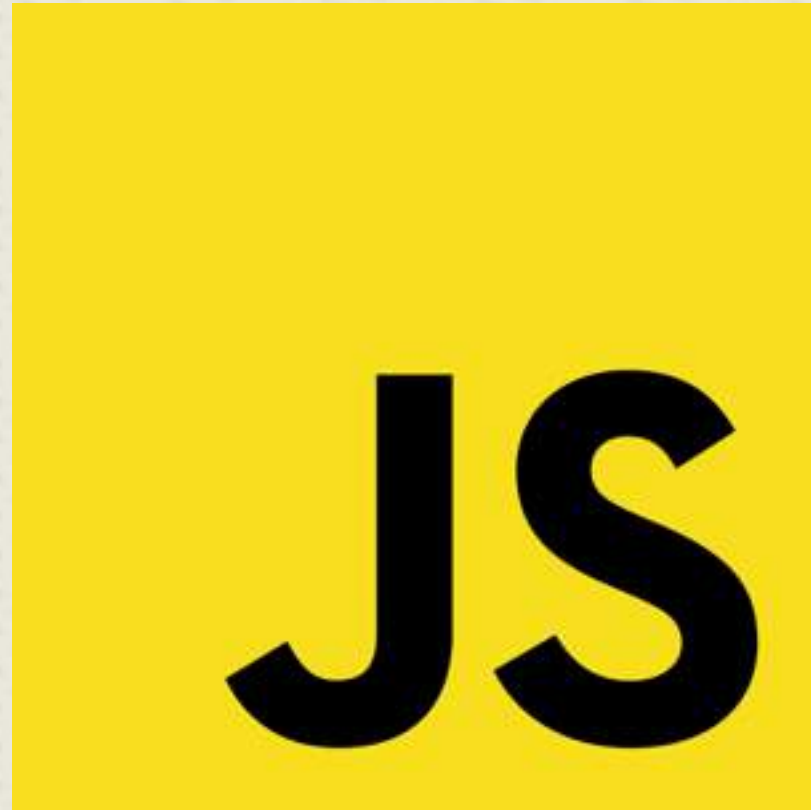




# Your Knowledge Coming In

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## Must Know



## Not as Important

Ruby, Python, Java, PostgreSQL, MySQL, etc.

## Should Have





# A framework for creating ambitious web applications

```
npm install -g ember-cli  
ember new my-app
```

MORE PRODUCTIVE OUT OF THE BOX.



Write dramatically less code with Ember's Handlebars integrated templates that update automatically when the underlying



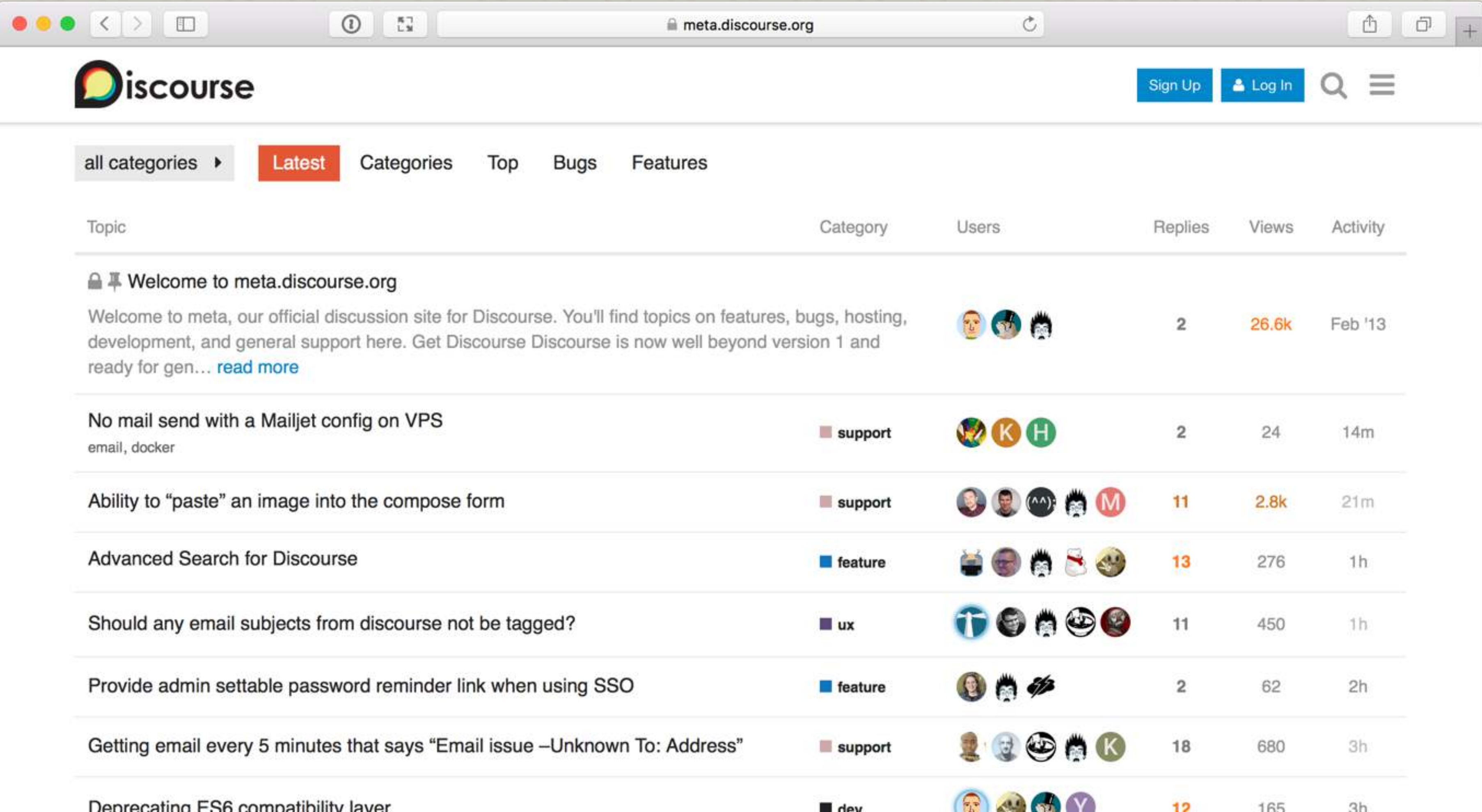
Don't waste time making trivial choices. Ember.js incorporates common idioms so you can focus on what makes your app special.



Ember.js is built for productivity. Designed with developer ergonomics in mind, its friendly APIs help you get your job done—



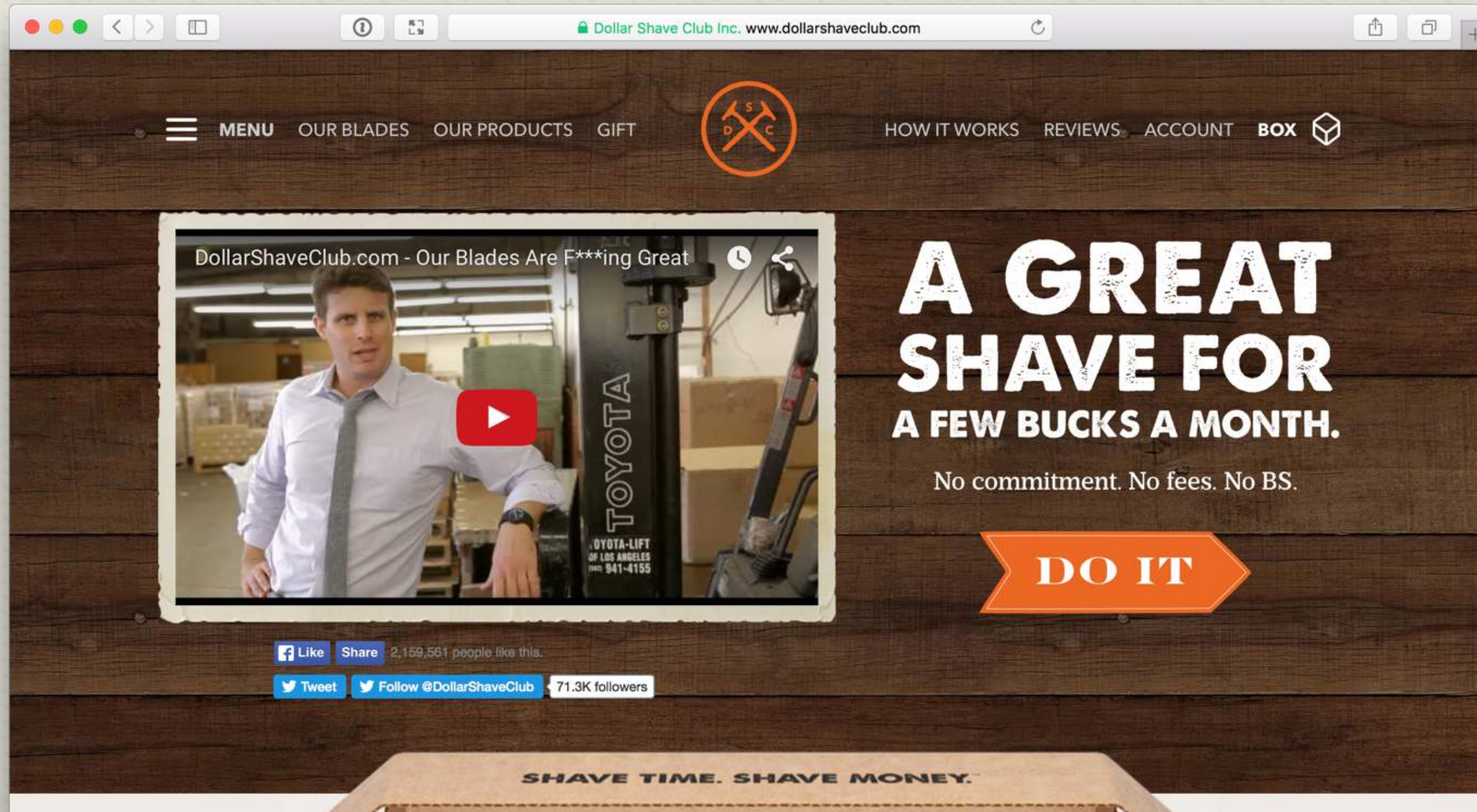
# Others Using *ember*

A screenshot of a web browser displaying the Discourse website. The browser's address bar shows "meta.discourse.org". The website header includes the Discourse logo, "Sign Up" and "Log In" buttons, and a search icon. Below the header, there are navigation tabs: "all categories", "Latest" (highlighted in red), "Categories", "Top", "Bugs", and "Features". The main content area is a table of discussion topics. The table has columns for "Topic", "Category", "Users", "Replies", "Views", and "Activity". The first row is a pinned post titled "Welcome to meta.discourse.org". Subsequent rows include topics like "No mail send with a Mailjet config on VPS", "Ability to 'paste' an image into the compose form", "Advanced Search for Discourse", "Should any email subjects from discourse not be tagged?", "Provide admin settable password reminder link when using SSO", "Getting email every 5 minutes that says 'Email issue -Unknown To: Address'", and "Deprecating ES6 compatibility layer".

Topic	Category	Users	Replies	Views	Activity
<b>Welcome to meta.discourse.org</b> Welcome to meta, our official discussion site for Discourse. You'll find topics on features, bugs, hosting, development, and general support here. Get Discourse Discourse is now well beyond version 1 and ready for gen... <a href="#">read more</a>			2	26.6k	Feb '13
No mail send with a Mailjet config on VPS email, docker	support		2	24	14m
Ability to "paste" an image into the compose form	support		11	2.8k	21m
Advanced Search for Discourse	feature		13	276	1h
Should any email subjects from discourse not be tagged?	ux		11	450	1h
Provide admin settable password reminder link when using SSO	feature		2	62	2h
Getting email every 5 minutes that says "Email issue -Unknown To: Address"	support		18	680	3h
Deprecating ES6 compatibility layer	dev		12	165	3h

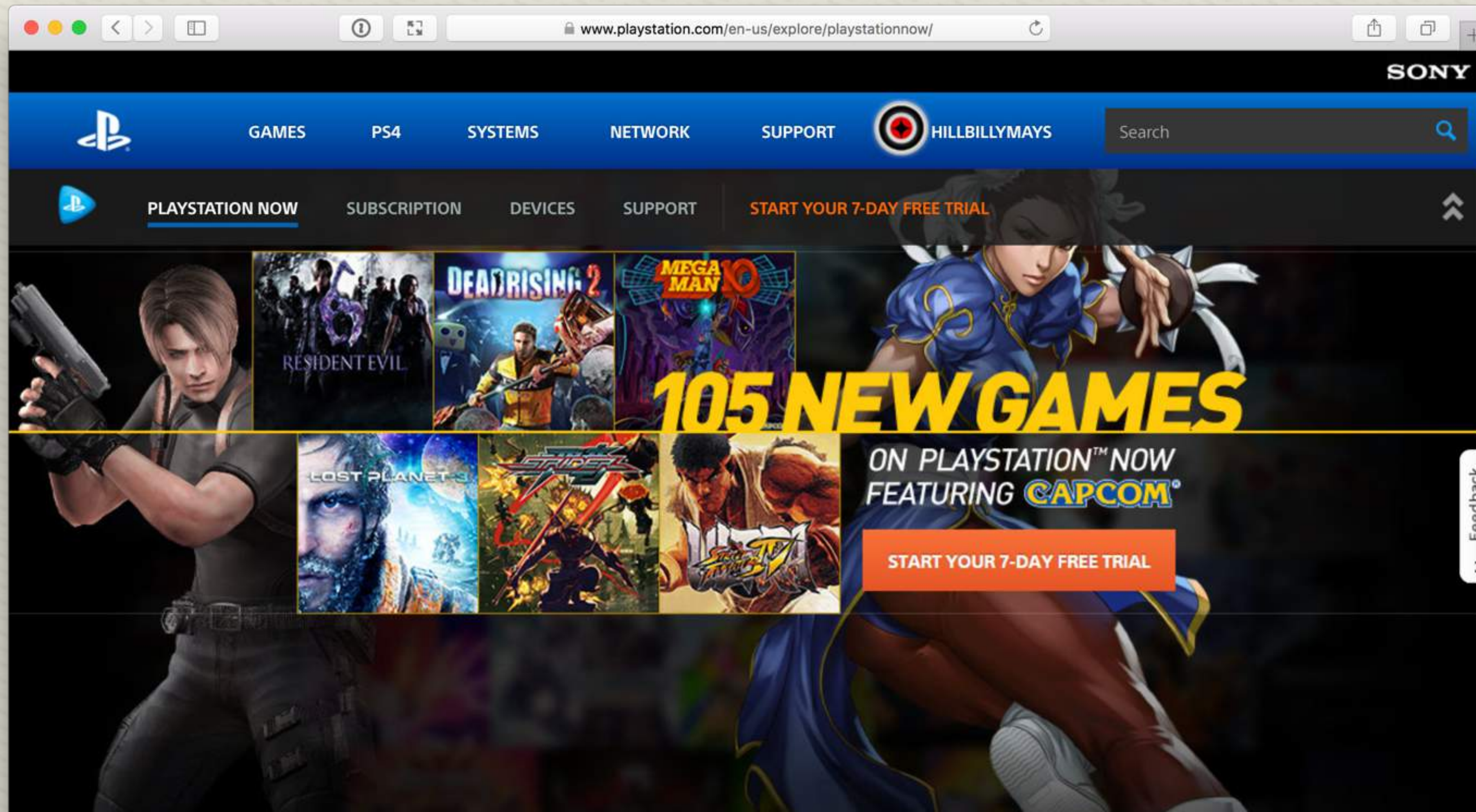


# Others Using *ember*



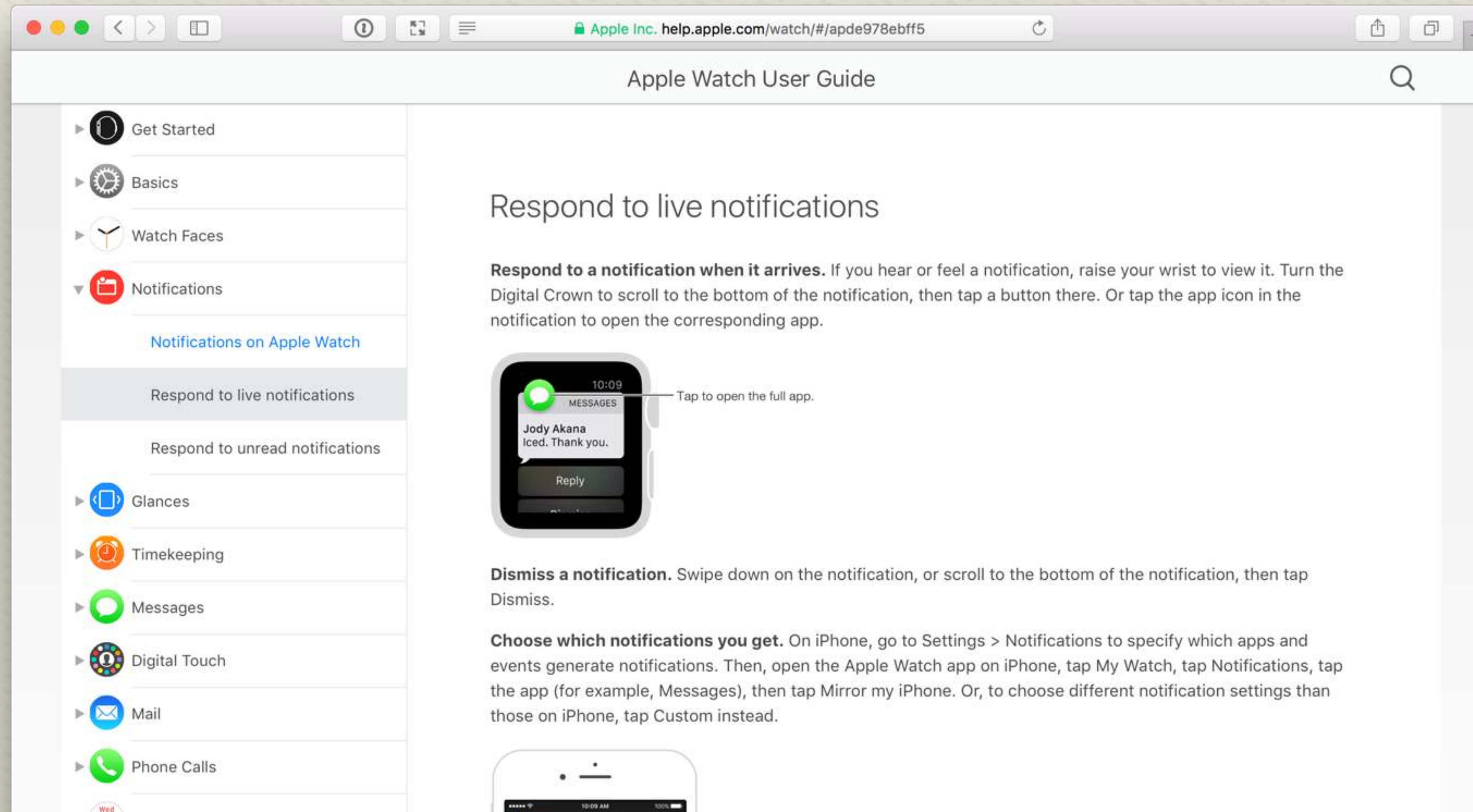


# Others Using *ember*



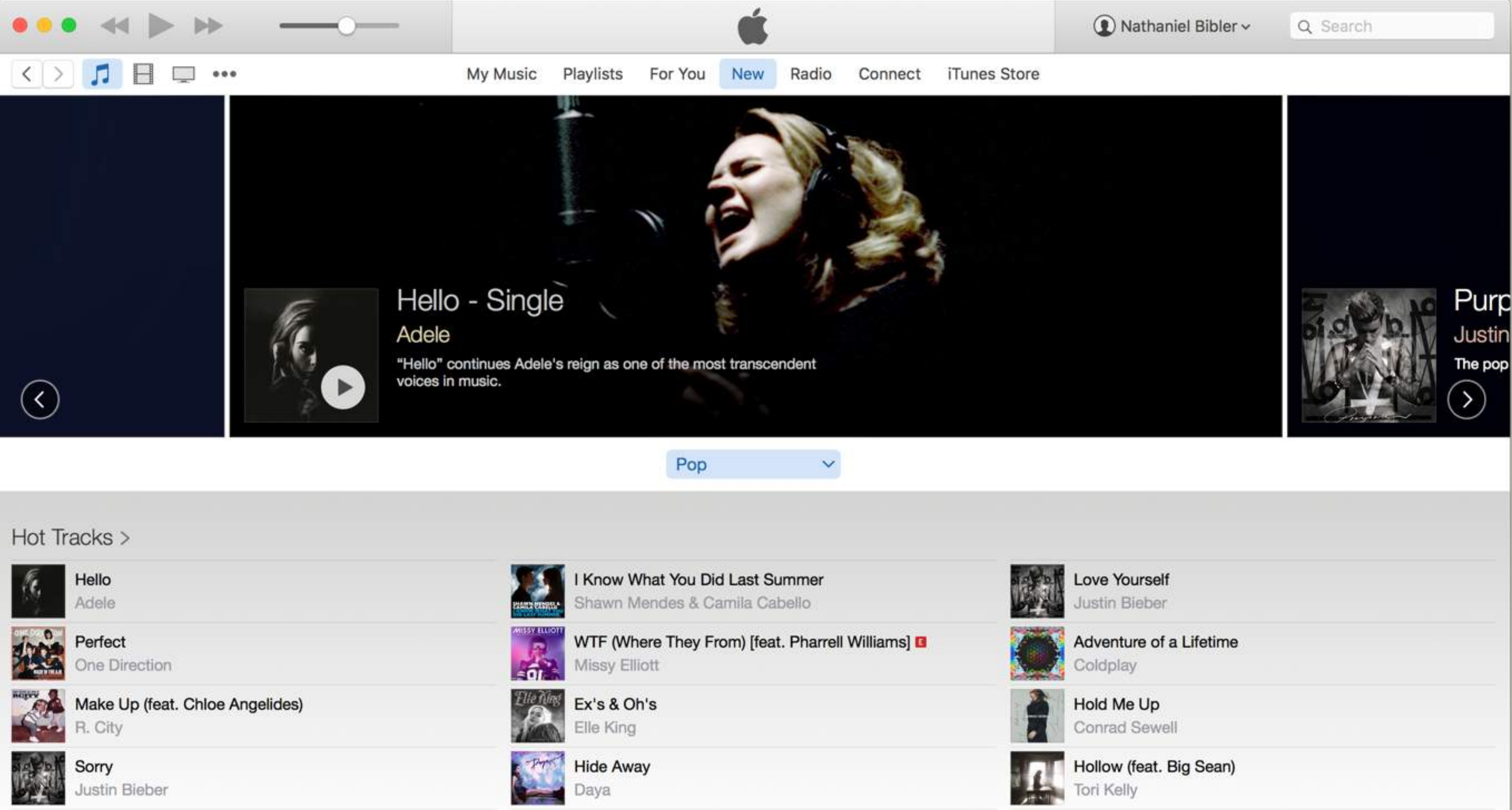


# Others Using *ember*



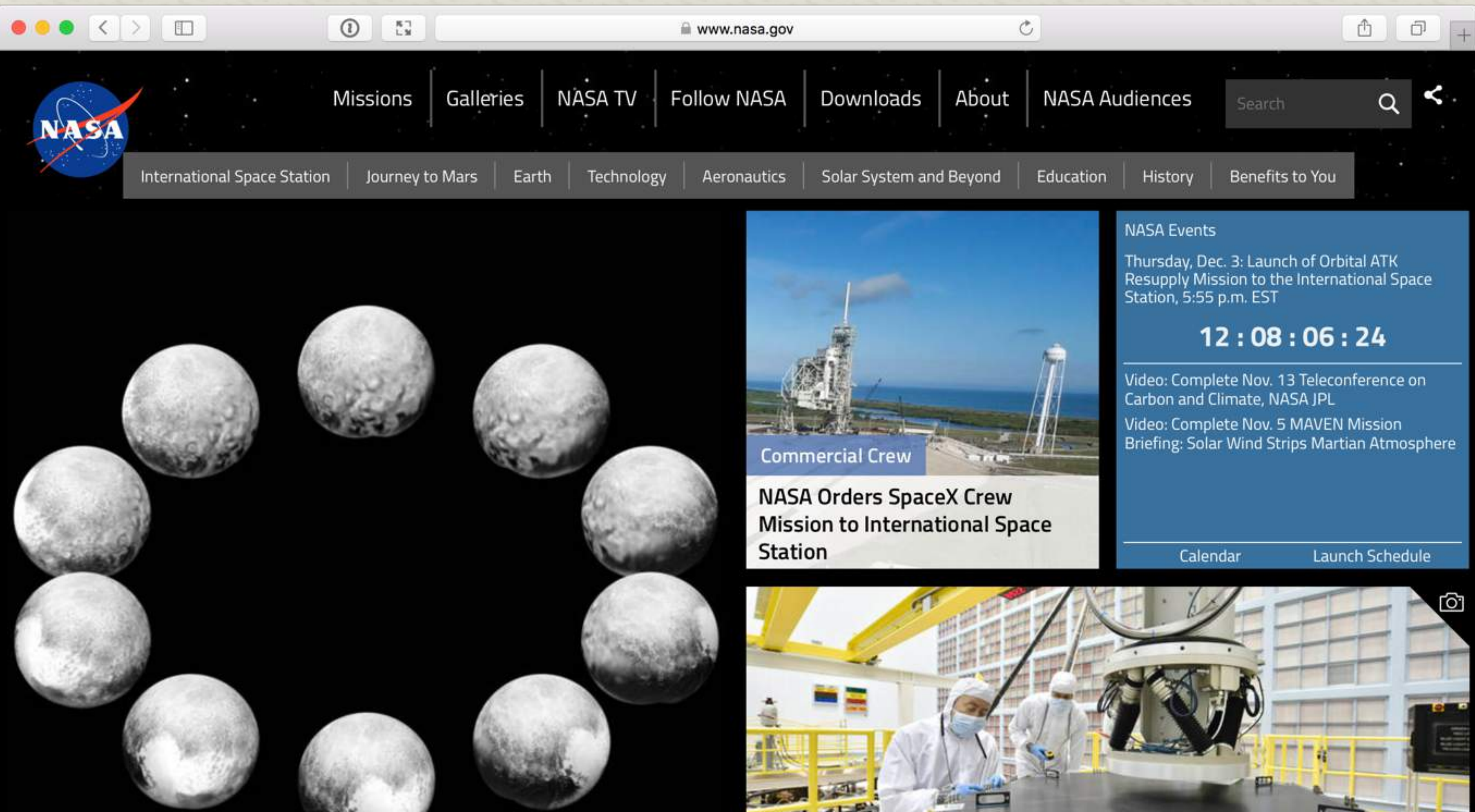


# Others Using *ember*





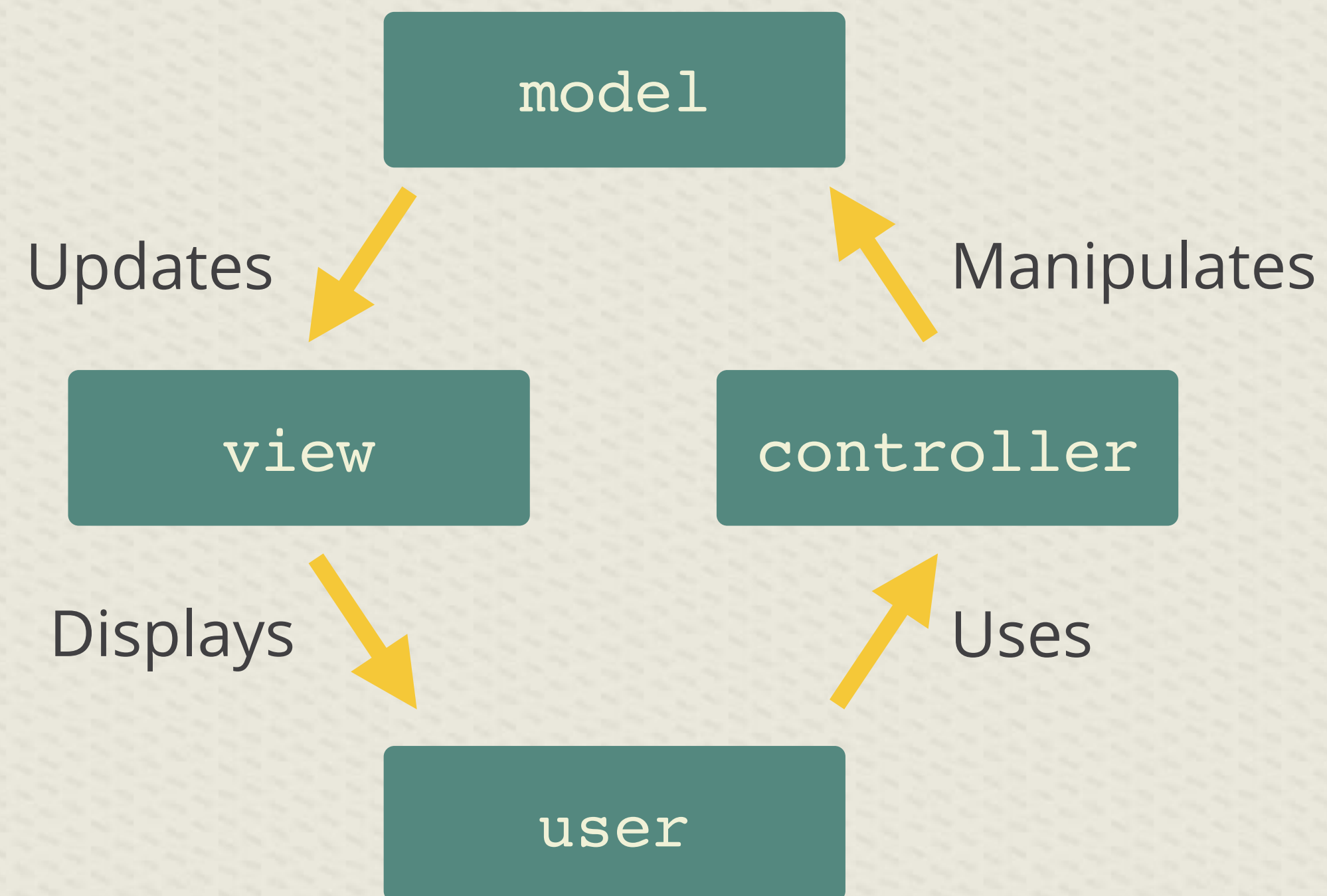
# Others Using *ember*





# Separating Responsibilities

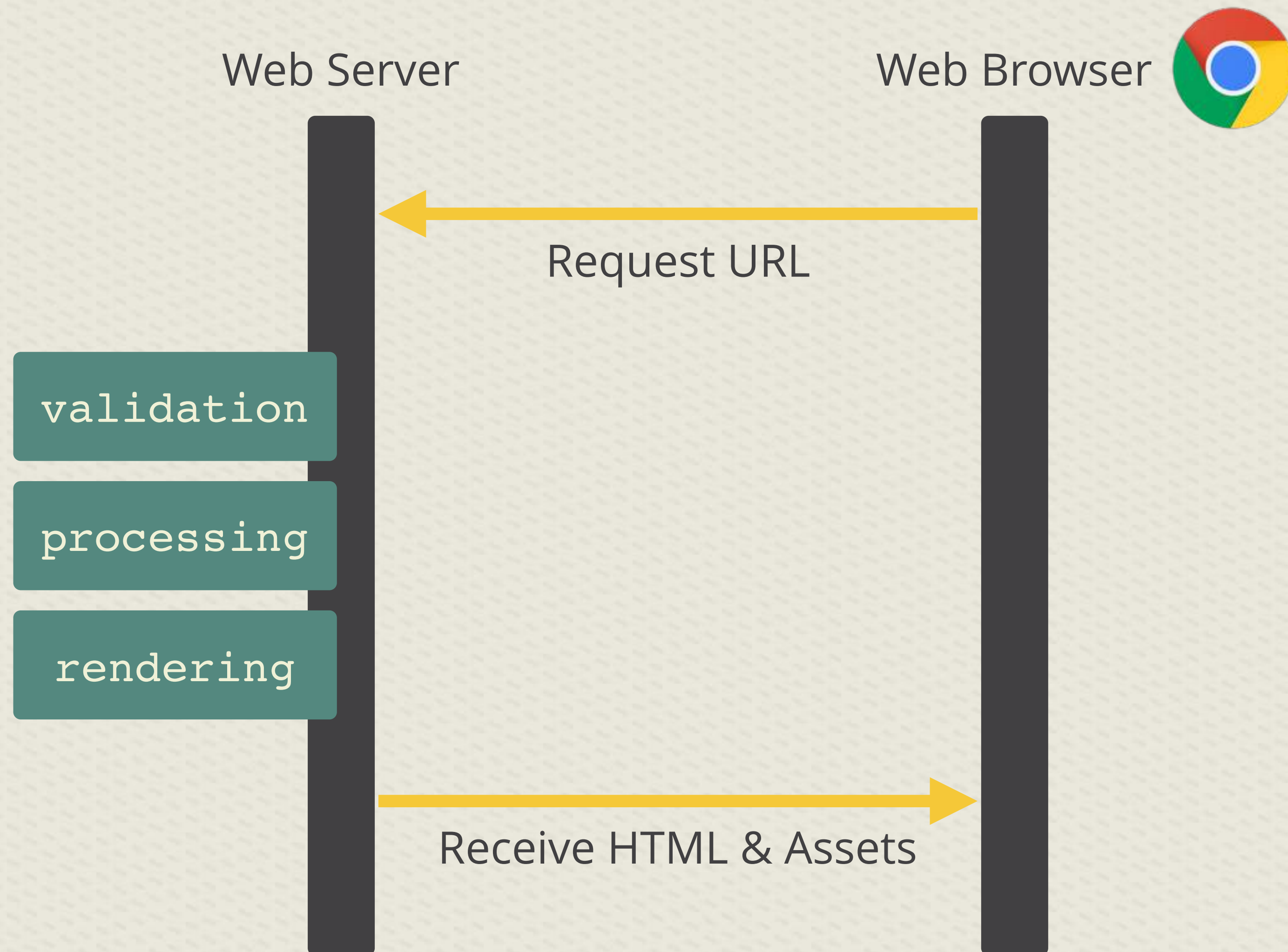
Model-view-controller (MVC) helps to create reusable and extendable code by separating and isolating responsibilities.





# Current Responsibilities

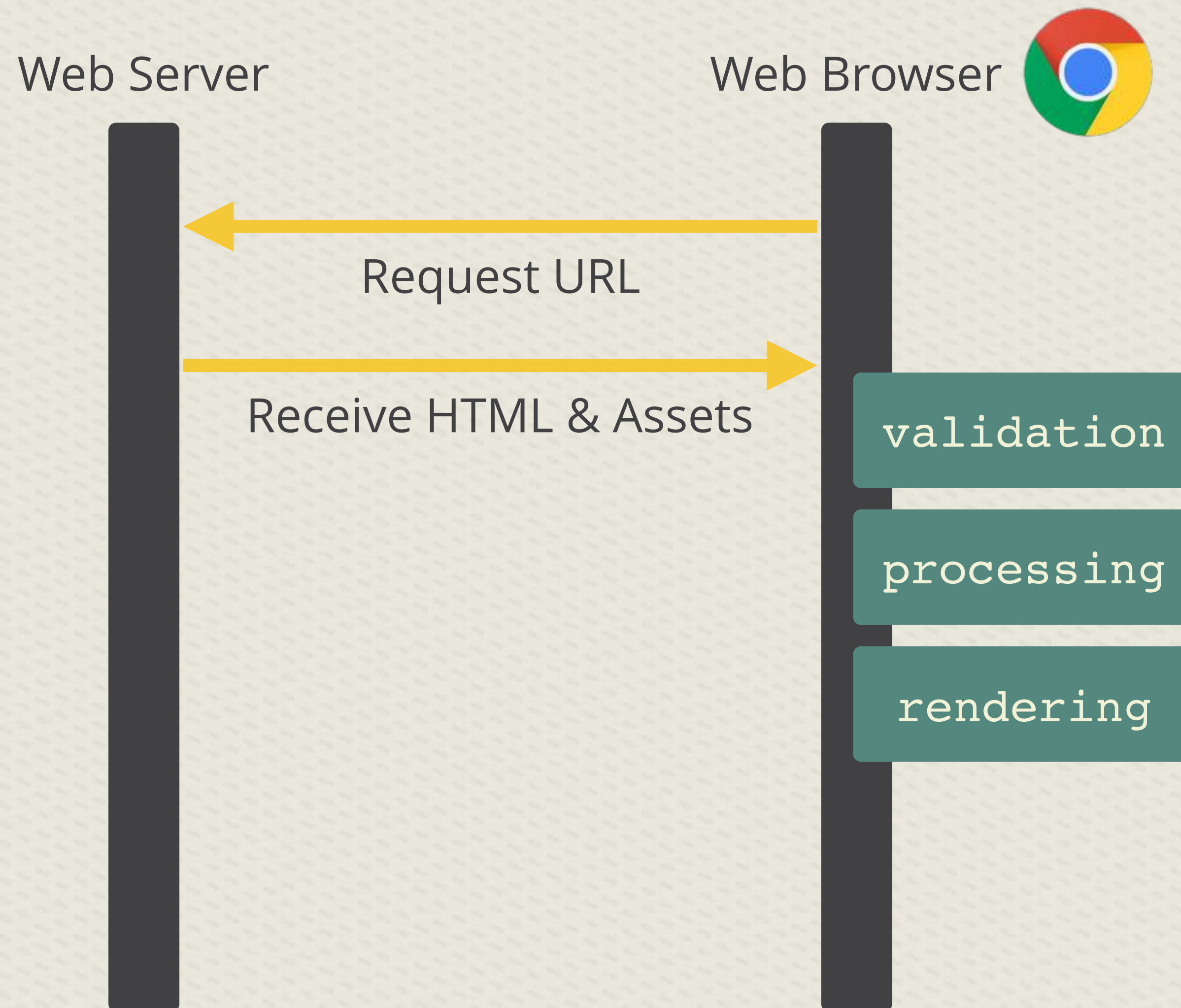
Today, most web applications send data to the servers to validate, process, and render HTML.





# Shifting Responsibilities

Frameworks like Ember are shifting responsibilities from the server to the web browser.



*More client responsibilities mean fewer network requests, which make an app feel faster.*





# All Encompassing

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Ember provides the client-side framework plus development tooling, conventions, and standards.

framework

tooling

conventions

standards

*ember*





# Capturing Community Best Practices

Ember's holistic approach gives you benefits from the entire JavaScript community.



*ember*



Ember core team members participate in W3C committees, specifications, and standards.





# Woodland Wanderer Whatchamacallits



WOODLAND WANDERER  
**WHATCHAMACALLITS**

MENU

ORDER

## Order Today!

Our online store helps you stay, as the Woodland Wanderer motto states, "**ready for anything**"! Get the supplies you need for yourself or your whole troop!

ORDER TODAY!



**Tent: \$10**

Your money is well spent with this sturdy tent.



**Sleeping Bag: \$5**

Your spirits will never sag with this sleeping bag.



# Woodland Wanderer Whatchamacallits



WOODLAND WANDERER  
**WHATCHAMACALLITS**

MENU

ORDER

Name

Your Name Here

Tent @ \$10/ea

0

+10

Sleeping Bag @ \$5/ea

0

+10

Flashlight @ \$2/ea

0

+10

First-Aid Kit @ \$3/ea

0

+10

PLACE ORDER

Previous Orders

[Order 1234 for Blaise Blobfish](#)

[Order 2345 for Olivia Okani](#)



# Woodland Wanderer Whatchamacallits



WOODLAND WANDERER  
**WHATCHAMACALLITS**

MENU

ORDER

Order details for Olivia Okapi (#2345)

Item	Qty	Unit	Cost	Cost%
 Tent	0	\$10/ea	\$0	0%
 Sleeping Bag	1	\$5/ea	\$5	50%
 Flashlight	1	\$2/ea	\$2	20%
 First-Aid Kit	1	\$3/ea	\$3	30%
TOTAL			\$10	



# Wilderness Safety Quiz



## WILDERNESS SAFETY QUIZ

New Poll

Use the form below to create a new poll.

Question

Option

Option

Option

SUBMIT!



# Wilderness Safety Quiz



## WILDERNESS SAFETY QUIZ

Welcome, Woodland Wanderers!

Now that you've completed your training, here's a quick quiz to test your skills.

Which Is Your Favorite Woodland Wanderer Way?

☐ Honesty

☐ Integrity

☐ Patience



RESULTS



# Wilderness Safety Quiz



## WILDERNESS SAFETY QUIZ

Welcome, Woodland Wanderers!

Now that you've completed your training, here's a quick quiz to test your skills.

Which Is Your Favorite Woodland Wanderer Way?

Honesty	3 votes (33%)
Integrity	4 votes (44%)
Patience	2 votes (22%)

BACK

Check out previous questions from Woodland Wanderers:



# Installing *embercli*

---

Steps for installing Ember CLI and creating our Ember application:

1. Ensure Node.js is installed and npm is available. <https://nodejs.org>



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## Downloads

Download the Node.js source code or a pre-built installer for your platform, and start developing today.



# Installing *embercli*

Steps for installing Ember CLI and creating our Ember application:

1. Ensure Node.js is installed and npm is available.
2. Install Ember CLI using npm.

Console

```
$ npm install -g ember-cli
```

This installs the package globally, making package executables available everywhere on the system.

This is the name of the npm package to install. Ember CLI is packaged as "ember-cli."





# Checking for *embercli*

Once Ember CLI is installed, you'll have an "ember" executable available.

## Console

```
$ npm install -g ember-cli
ember-cli@2.x.x /path/to/node/lib/node_modules/ember-cli

$ ember version
version: 2.x.x
```

After installing Ember CLI, running "ember version" shows the running Ember CLI version.





# Getting Help in *embercli*

---

## Console

```
$ ember help
```

```
Usage: ember <command (Default: help)>
```

```
Available commands in ember-cli:
```

```
ember addon <addon-name> <options...>
```

```
ember build <options...>
```

```
ember destroy <blueprint> <options...>
```

```
ember generate <blueprint> <options...>
```

```
ember help <command-name (Default: all)> <options...>
```

```
ember init <glob-pattern> <options...>
```

```
ember install <addon-name>
```

```
ember new <app-name> <options...>
```

```
ember serve <options...>
```

```
ember test <options...>
```

```
ember version <options...>
```



# Creating an App With ember new

---

```
ember new <app-name> <options...>
```

This is used to create a new Ember application.



# Creating an App With ember new

---

```
ember new <app-name> <options...>
```

## Console

```
$ ember new woodland
installing app
  create app/app.js
  create app/index.html
  create app/router.js
  ...
Installed packages for tooling via npm.
Installed browser packages via Bower.
```



# Starting the Development Server

## Console

```
$ cd woodland
```

```
$ ember serve
```

*Builds the project and starts a live-reloading development server.*

```
Livereload server on http://localhost:49154
```

```
Serving on http://localhost:4200/
```





Level 1

# Getting Started

What Is Ember?

