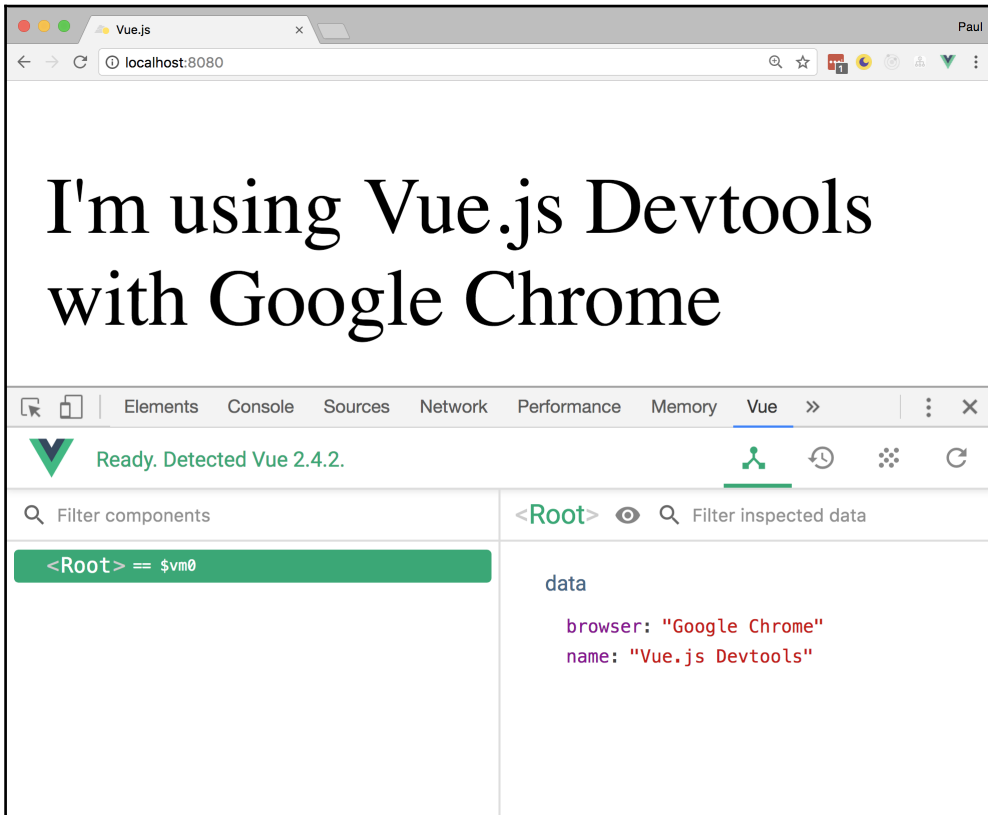
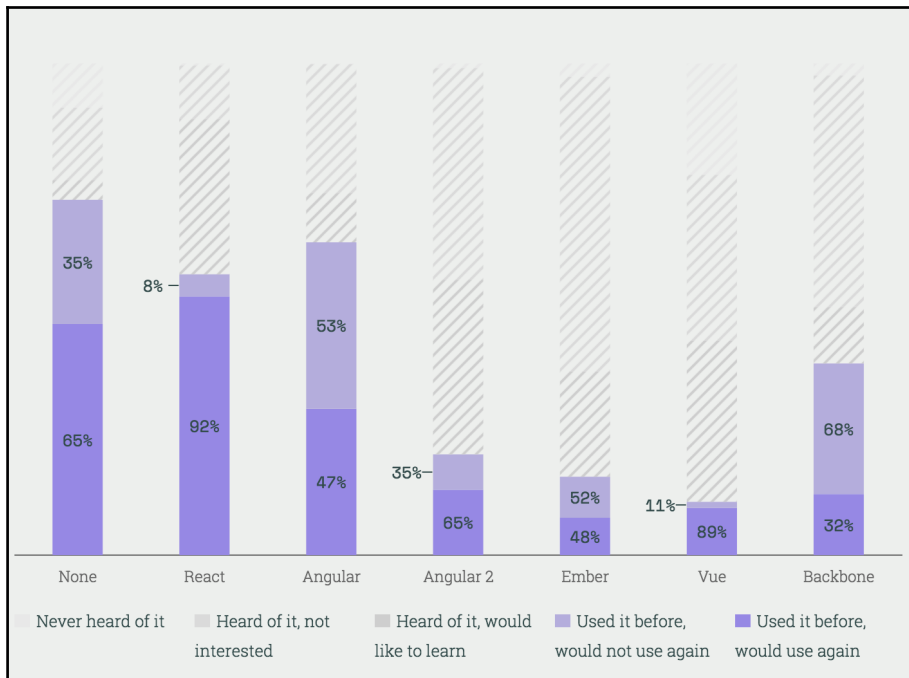
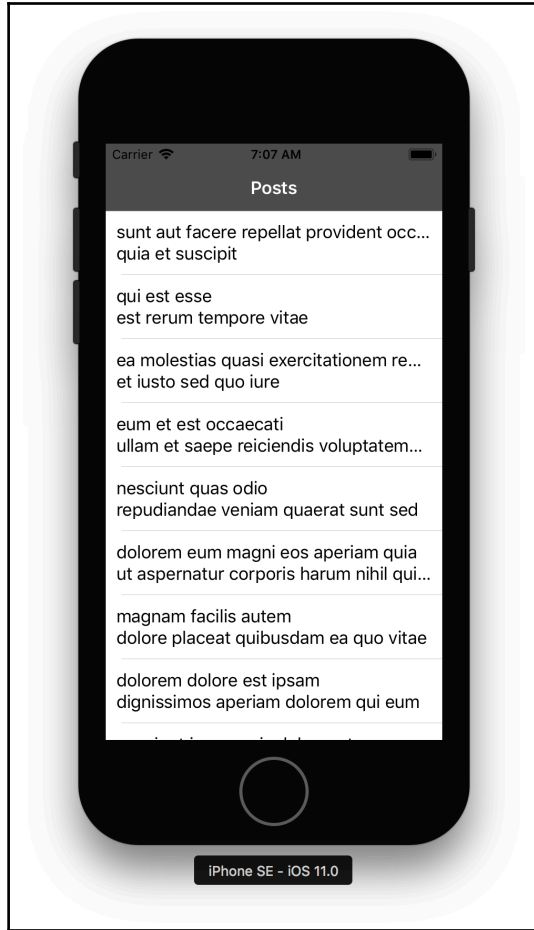


# Chapter 1: Vue.js Principles and Comparisons







Carrier 7:07 AM

## Posts

sunt aut facere repellat provident occ...  
quia et suscipit

qui est esse  
est rerum tempore vitae

ea molestias quasi exercitationem re...  
et iusto sed quo iure

eum et est occaecati  
ullam et saepe reiciendis voluptatem...

nesciunt quas odio  
repudiandae veniam quaerat sunt sed

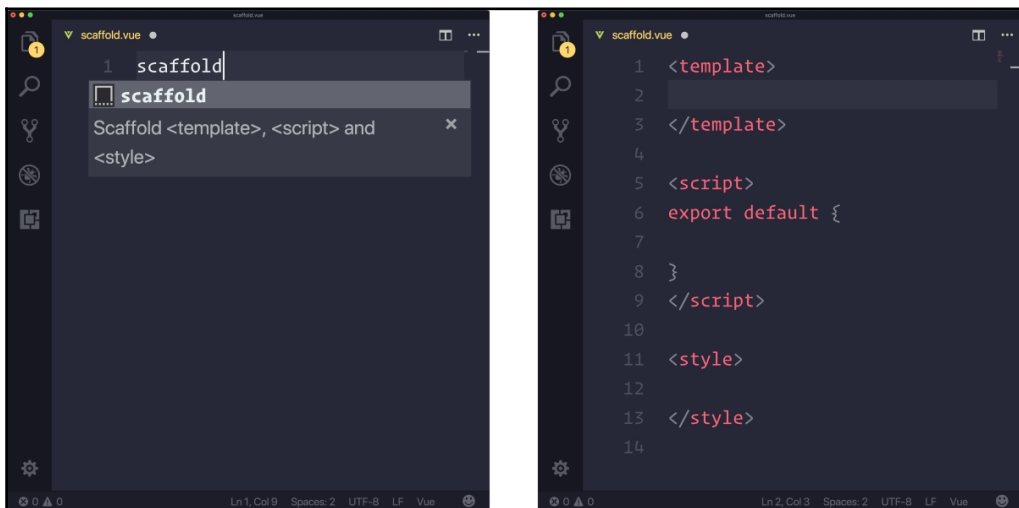
dolorem eum magni eos aperiam quia  
ut aspernatur corporis harum nihil qui...

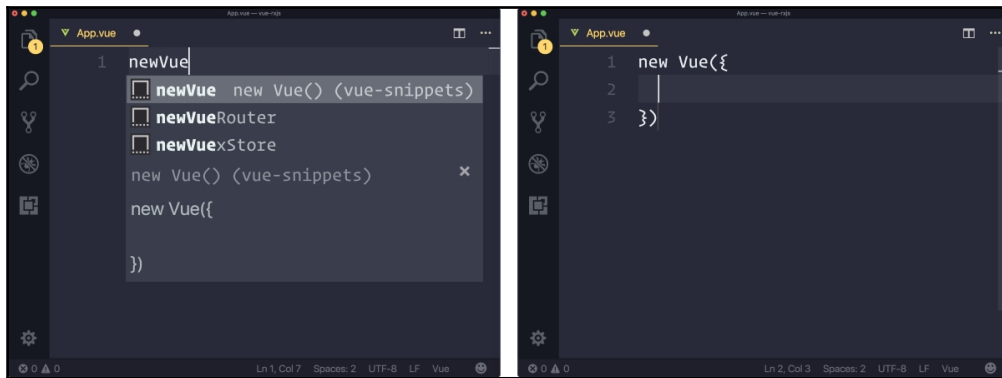
magnam facilis autem  
dolore placeat quibusdam ea quo vitae

dolorem dolore est ipsam  
dignissimos aperiam dolorem qui eum

iPhone SE - iOS 11.0

# Chapter 2: Proper Creation of Vue Projects





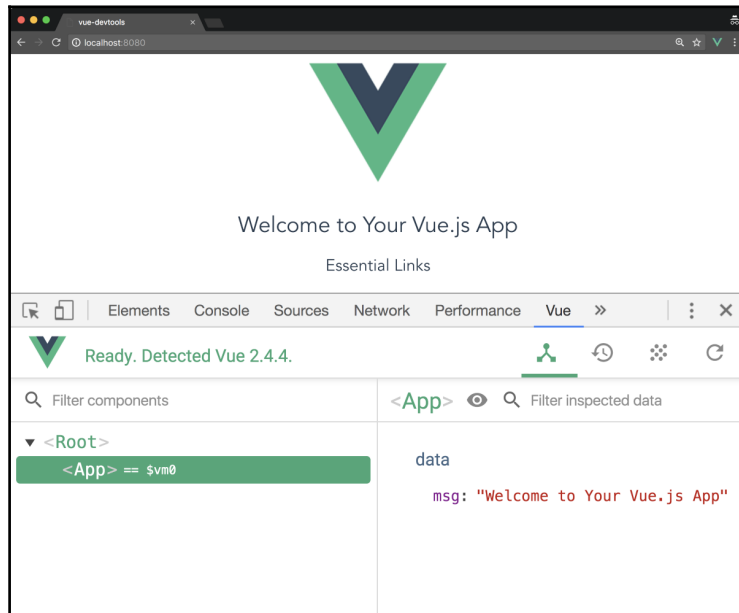
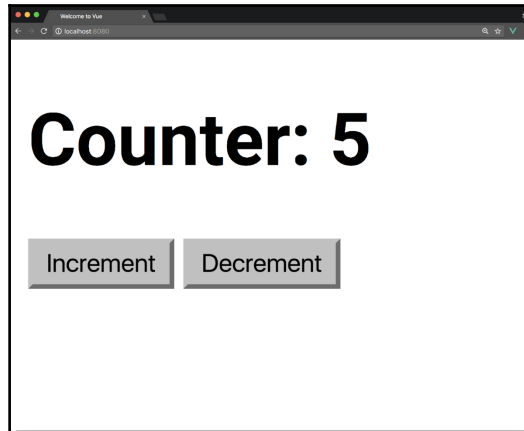
```
Pauls-MBP:repos paulhalliday$ vue init webpack-simple my-vue-project
? Project name my-vue-project
? Project description A Vue.js project
? Author Paul Halliday
? Use sass? No

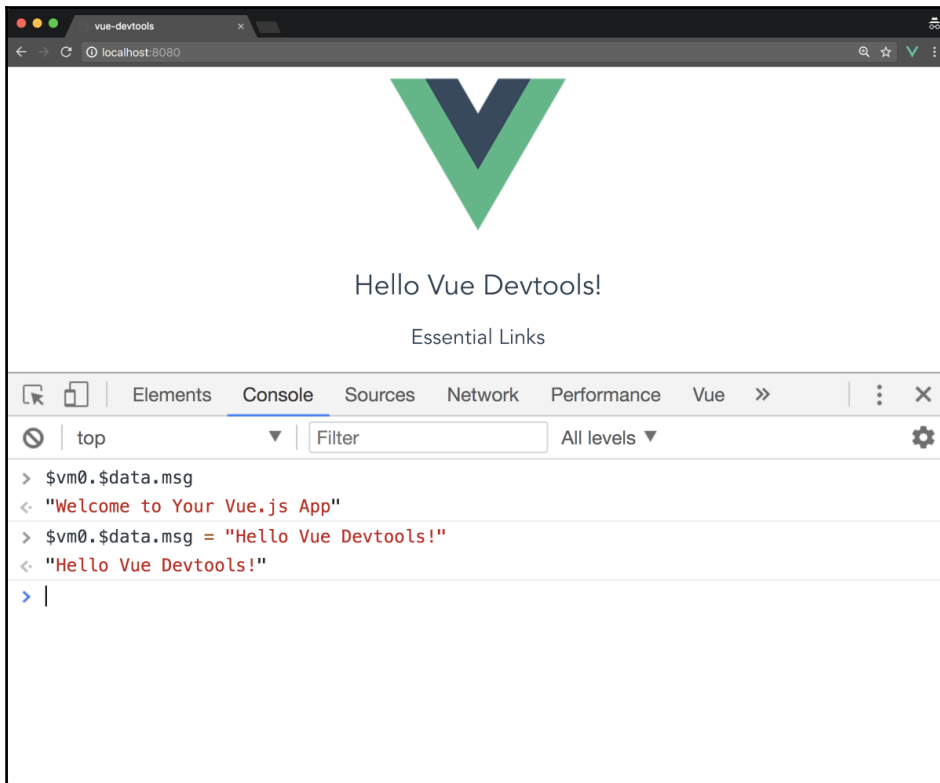
vue-cli · Generated "my-vue-project".

To get started:

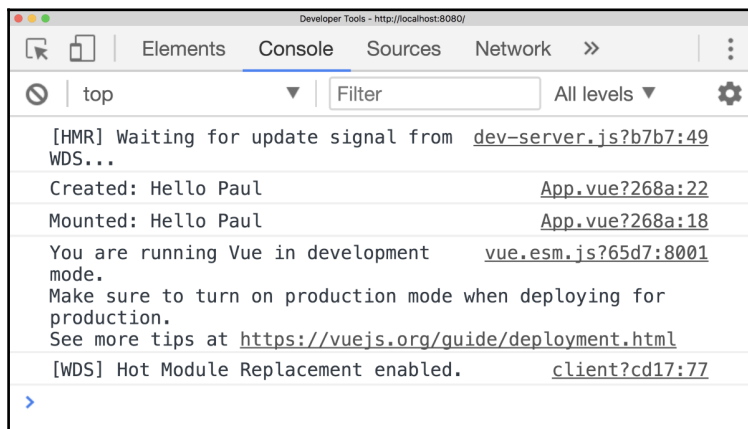
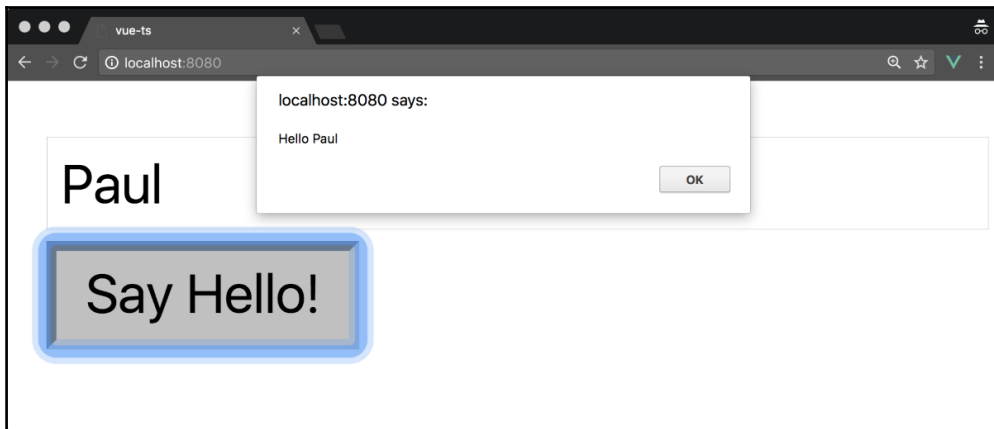
  cd my-vue-project
  npm install
  npm run dev.

Pauls-MBP:repos paulhalliday$
```

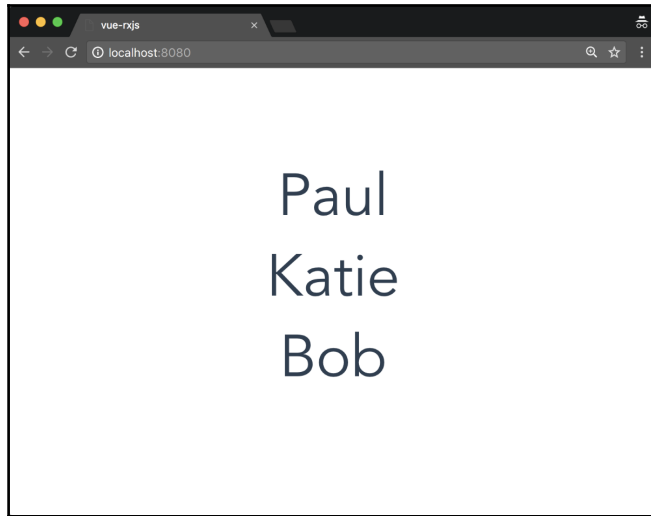




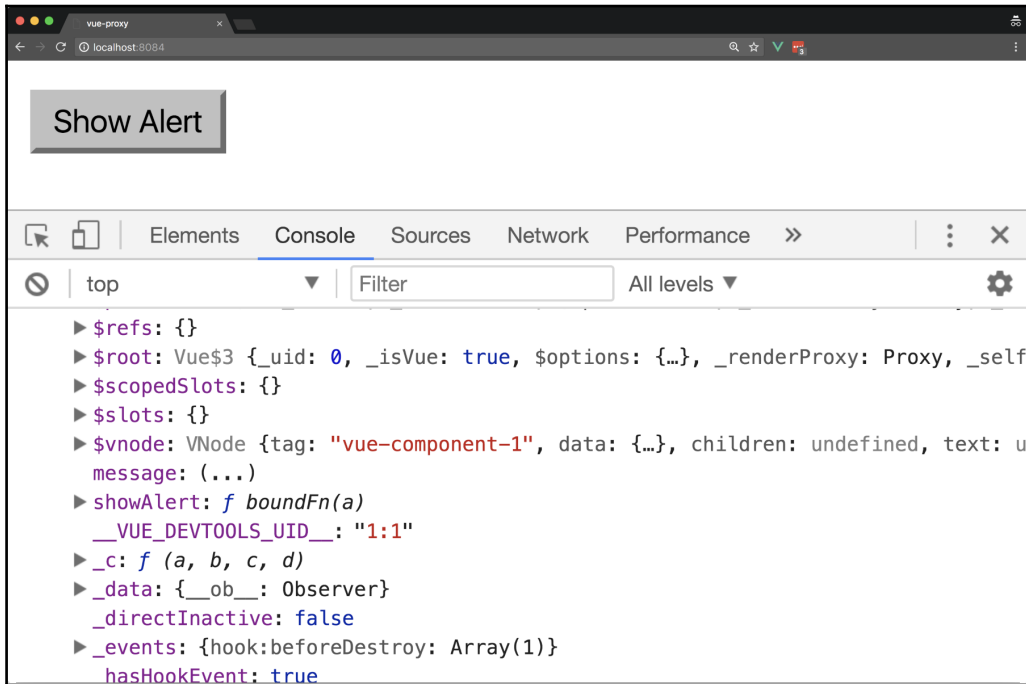
```
Pauls-MBP:repos paulhalliday$ vue init webpack-simple typescript-vue  
  
? Project name typescript-vue  
? Project description Integrating TypeScript and Vue  
? Author Paul Halliday  
? Use sass? No  
  
vue-cli · Generated "typescript-vue".  
  
To get started:  
  
  cd typescript-vue  
  npm install  
  npm run dev.  
  
Pauls-MBP:repos paulhalliday$
```

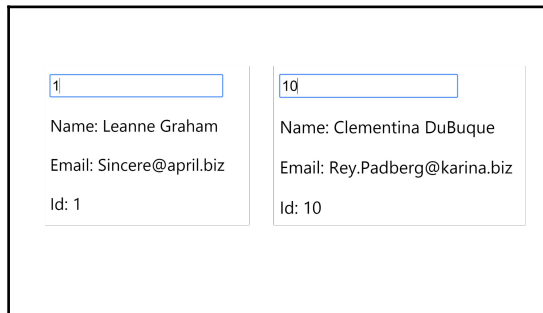
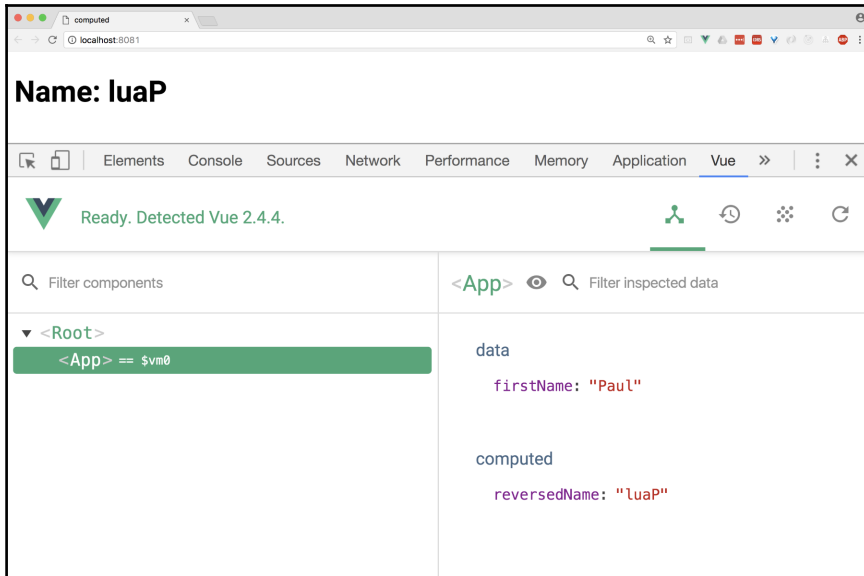


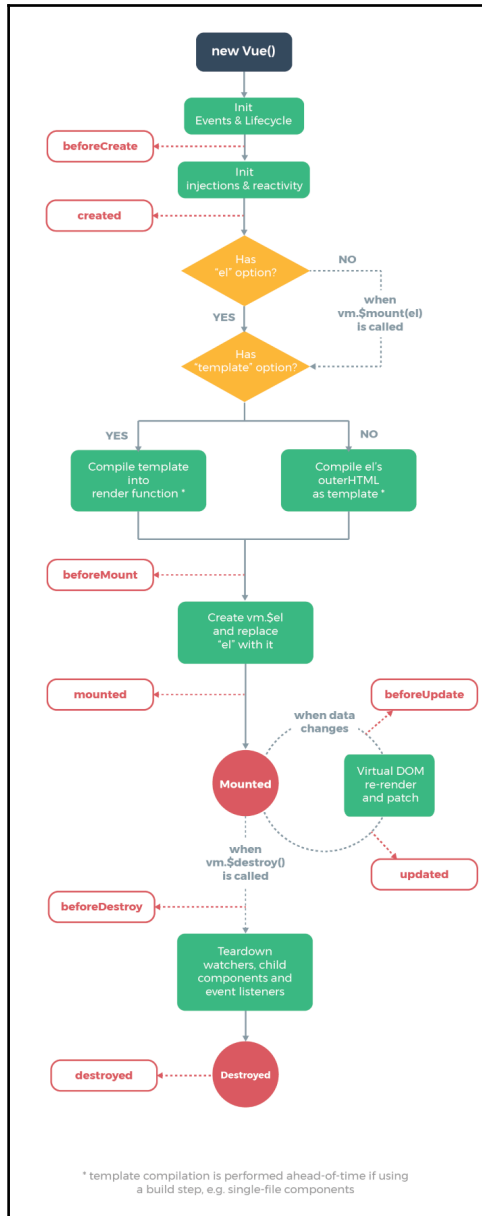


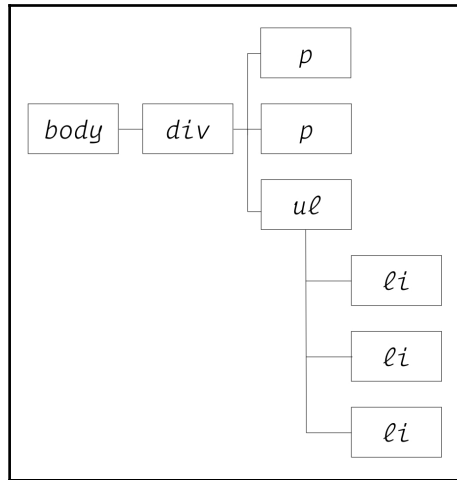


# Chapter 3: Writing Clean and Lean Code with Vue









I love JavaScript!

Here's a list of my favourite frameworks:

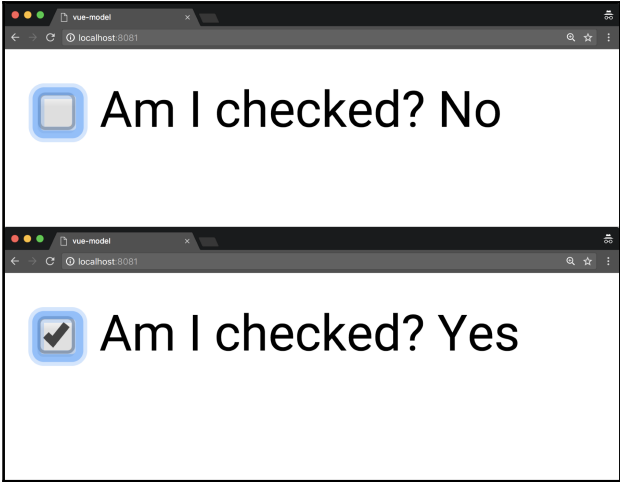
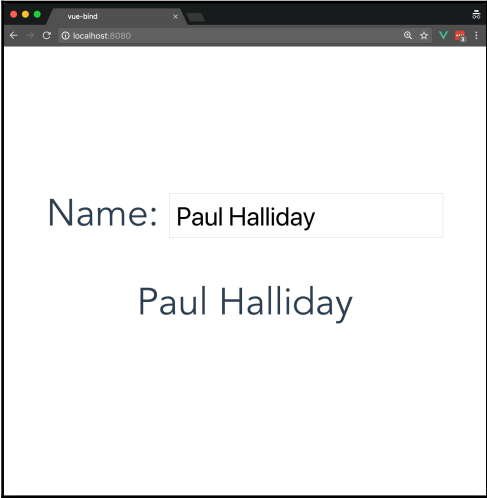
- Vue.js
- Angular
- React

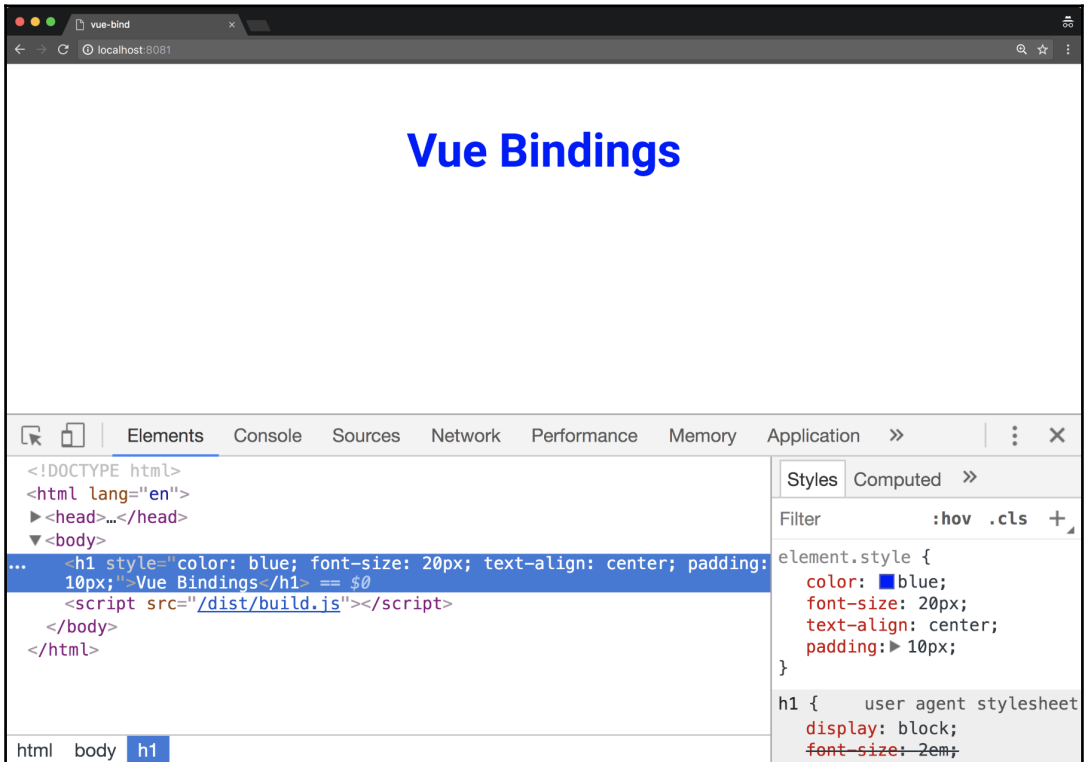
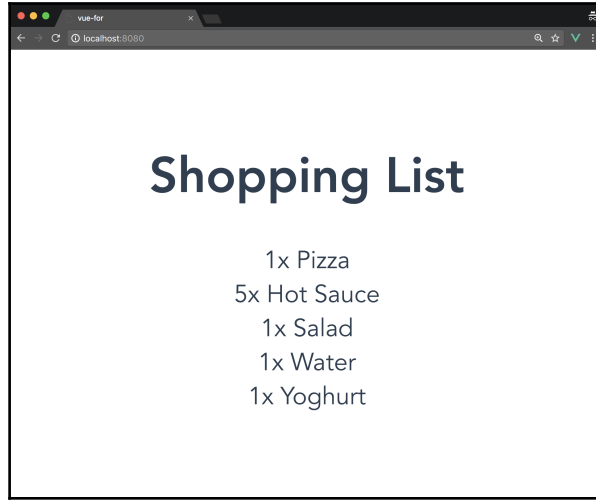
top Filter All levels

I love JavaScript!	app.js:4
Here's a list of my favourite frameworks:	app.js:4
Vue.js	app.js:6
Angular	app.js:6
React	app.js:6

> |

# Chapter 4: Vue.js Directives





# Vue Bindings

Red

Elements Console Sources Network Performance Memory Application >> | : X

```
<!DOCTYPE html>
<html lang="en">
  <head>...</head>
  <body>
    <div id="app">
      ...
      <h1 class="red">Vue Bindings</h1> == $0
      <input type="checkbox" name id>
      <span>Red</span>
    </div>
    <script src="/dist/build.js"></script>
  </body>
</html>
```

html body div#app h1.red

Styles Computed >>

Filter :hov .cls +

```
element.style {
}

.re App.vue?3387e07c? [sm]:23
d {
  color: red;
}

h1 { user agent stylesheet
  display: block;
  font-size: 2em;
```



The screenshot shows a web browser window with the title 'vue-bind' and the address bar 'localhost:8080'. The main content area displays the text 'Vue Bindings' in a large, red, sans-serif font. Below this text are two checkboxes, both of which are checked. The first checkbox is followed by the text 'Red' and the second by 'Strike Through'. Below the browser window, the developer tools are open to the 'Elements' panel. The DOM tree shows a root 'html' element containing a 'body' element, which in turn contains a 'div#app' element. The 'div#app' element contains an 'h1' element with the text 'Vue Bindings' and two 'input' elements (checkboxes) with labels 'Red' and 'Strike Through'. The 'h1' element is selected, and its styles are shown in the 'Styles' panel. The styles include a 'text-decoration' property set to 'line-through', which is applied to the 'h1' element. The browser's address bar shows 'localhost:8080' and the page title is 'vue-bind'.

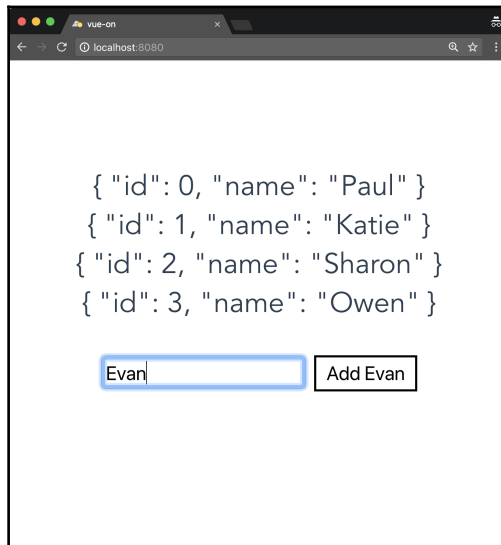
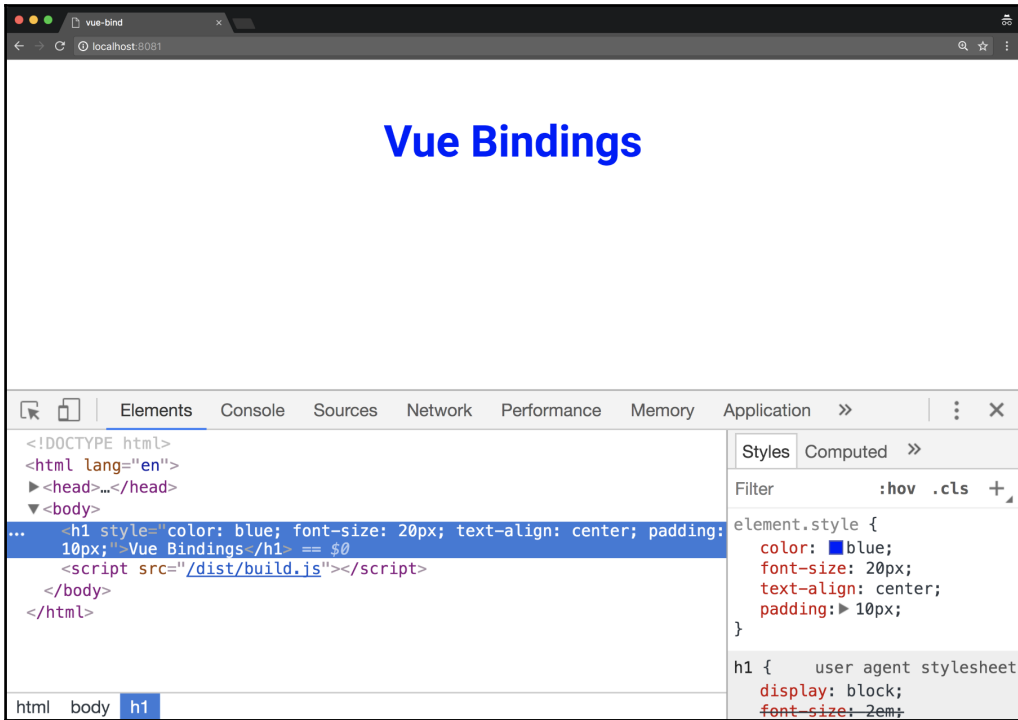
# Vue Bindings

Red  Strike Through

```
<!DOCTYPE html>
<html lang="en">
  <head>...</head>
  <body>
    <div id="app">
      <h1 class="red strike-through">Vue Bindings</h1> == $0
      <input type="checkbox" name id>
      <span>Red</span>
      <input type="checkbox" name id>
      <span>Strike Through</span>
    </div>
    <script src="/dist/build.js"></script>
  </body>
</html>
```

Styles

```
element.style {
}
.st App.vue?22782e2fc? [sm]:31
rik
e-through {
  text-decoration: line-through;
}
.re App.vue?22782e2fc? [sm]:27
d {
```



Protected Content

If you can see this, you're an admin!

Flip permissions

```

<!DOCTYPE html>
<html lang="en">
  <head>...</head>
  <body>
    <div id="app">
      <article style="" == $0
        <header>Protected Content</header>
        <section class="main">...</section>
      </article>
      <button>Flip permissions</button>
    </div>
    <script src="/dist/build.js"></script>
  </body>
</html>

```

admin: true

Flip permissions

```

<!DOCTYPE html>
<html lang="en">
  <head>...</head>
  <body>
    <div id="app">
      <article style="display: none;" == $0
        <header>Protected Content</header>
        <section class="main">...</section>
      </article>
      <button>Flip permissions</button>
    </div>
    <script src="/dist/build.js"></script>
  </body>
</html>

```

admin: false

Protected Content

If you can see this, you're an admin!

Flip permissions

```

<body>
  <div id="app">
    <article>
      <header>Protected Content</header> == $0
      <section class="main">
        <h1>If you can see this, you're an admin!</h1>
      </section>
    </article>
    <button>Flip permissions</button>
  </div>

```

admin: true

Flip permissions

```

<body>
  <div id="app">
    <!-->
    <button>Flip permissions</button> == $0
  </div>
  <script src="/dist/build.js"></script>
</body>
</html>

```

admin: false



# Chapter 5: Secured Communication with Vue.js Components

```
App.vue x
App.vue — vue-component-1

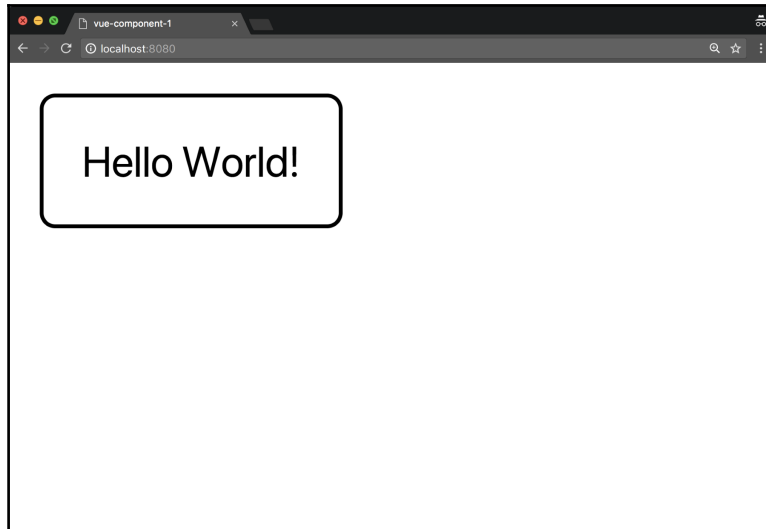
<template>

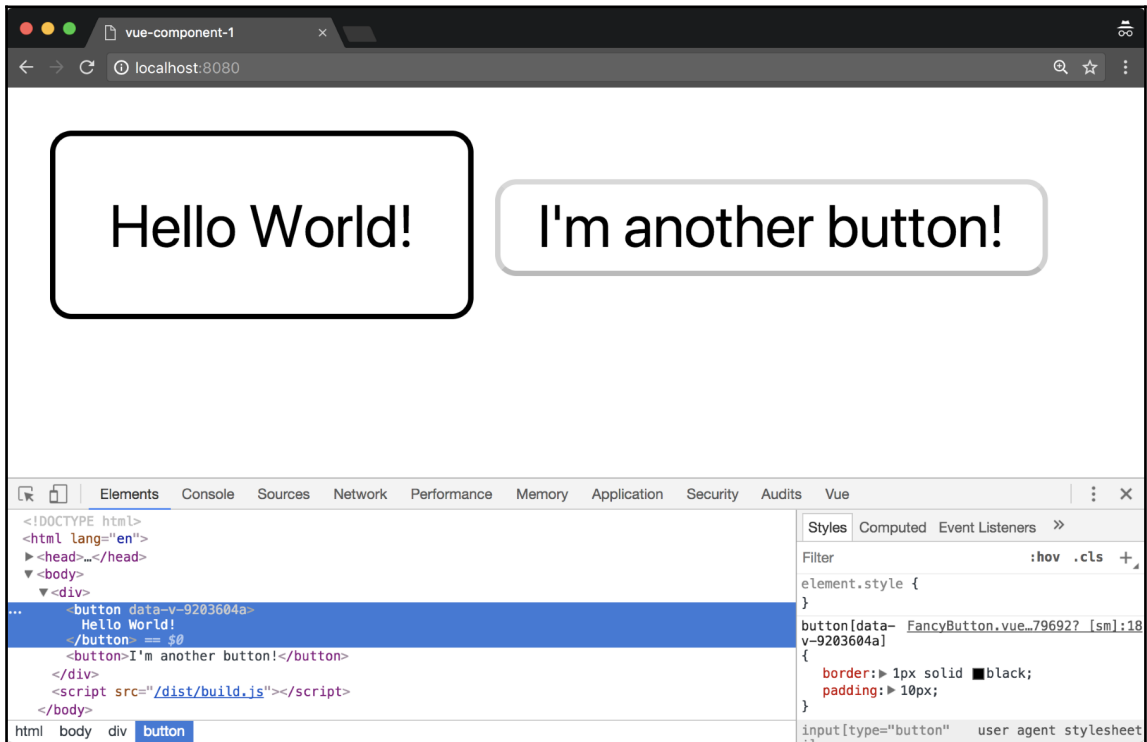
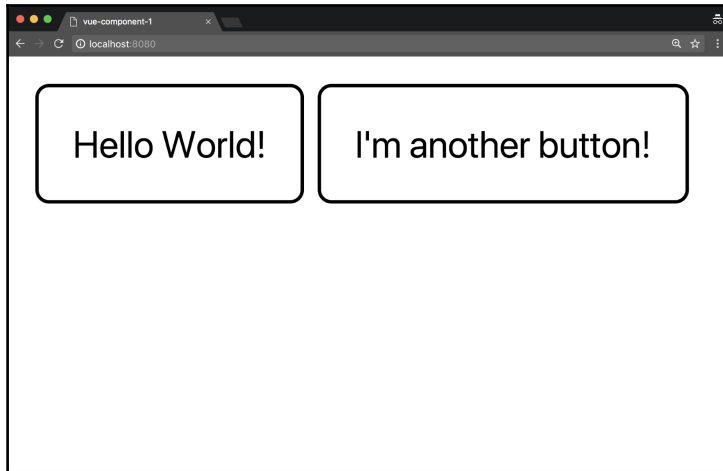
</template>

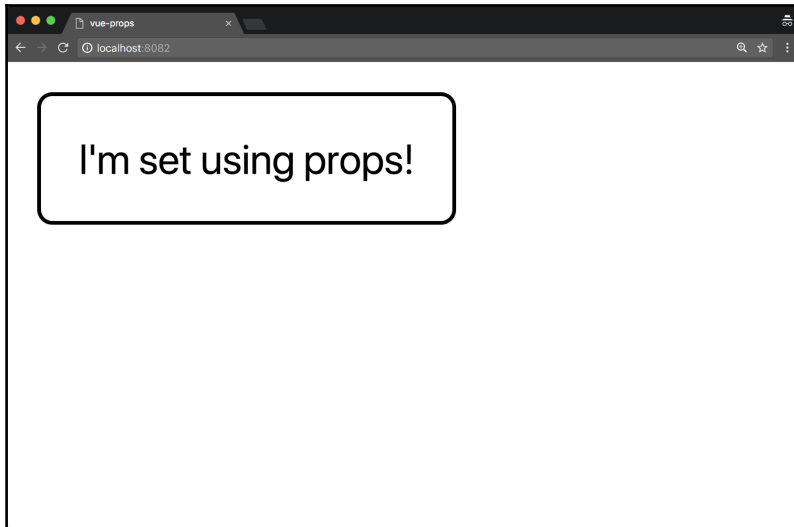
<script>
export default {
}
</script>

<style>

</style>
```



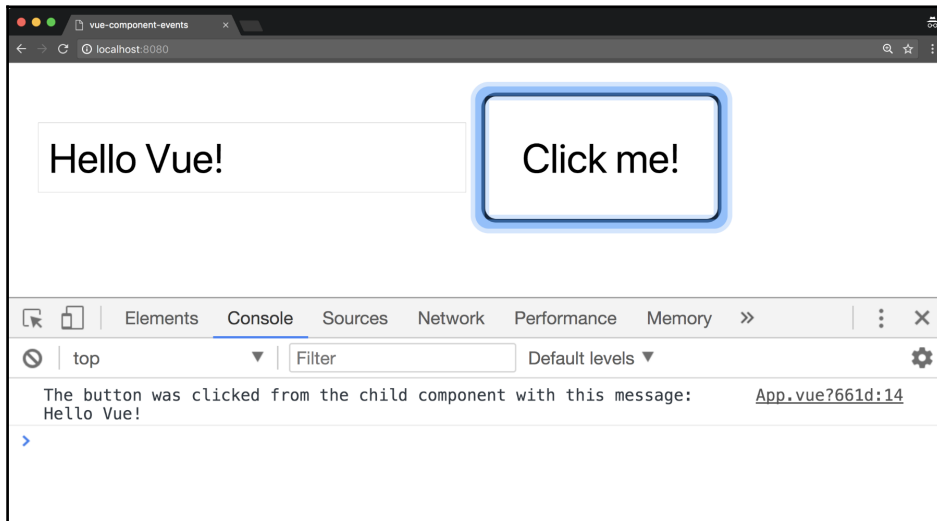
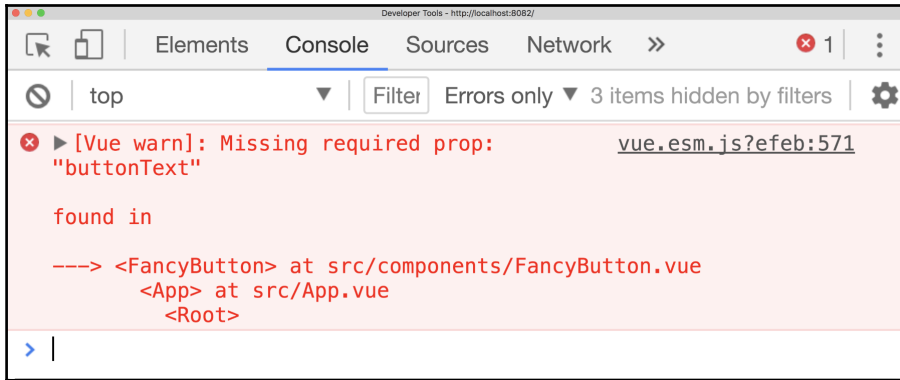




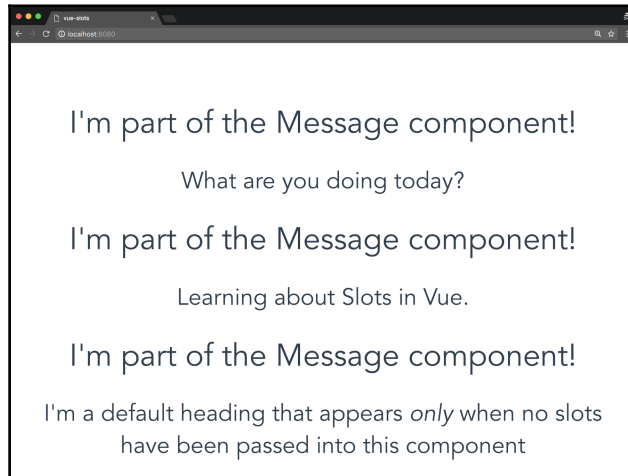
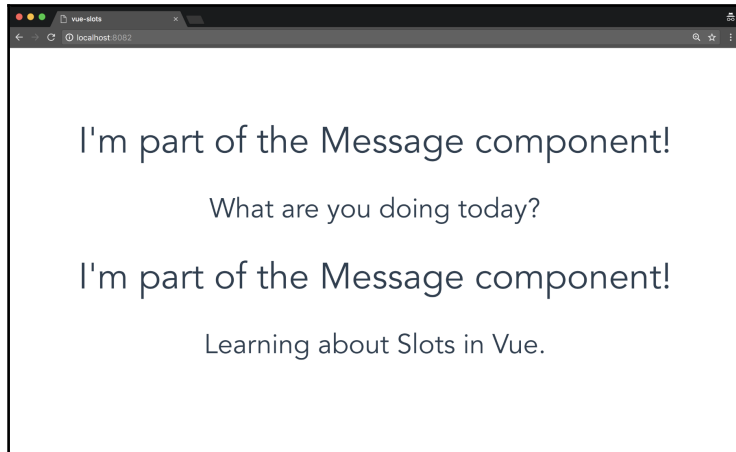
```
InstanceOf.ts
(); InstanceOf.ts x
class Cat {
  meow() {
    return 'Meow!';
  }
}

const sally = new Cat();

console.log(sally instanceof Cat); true
```

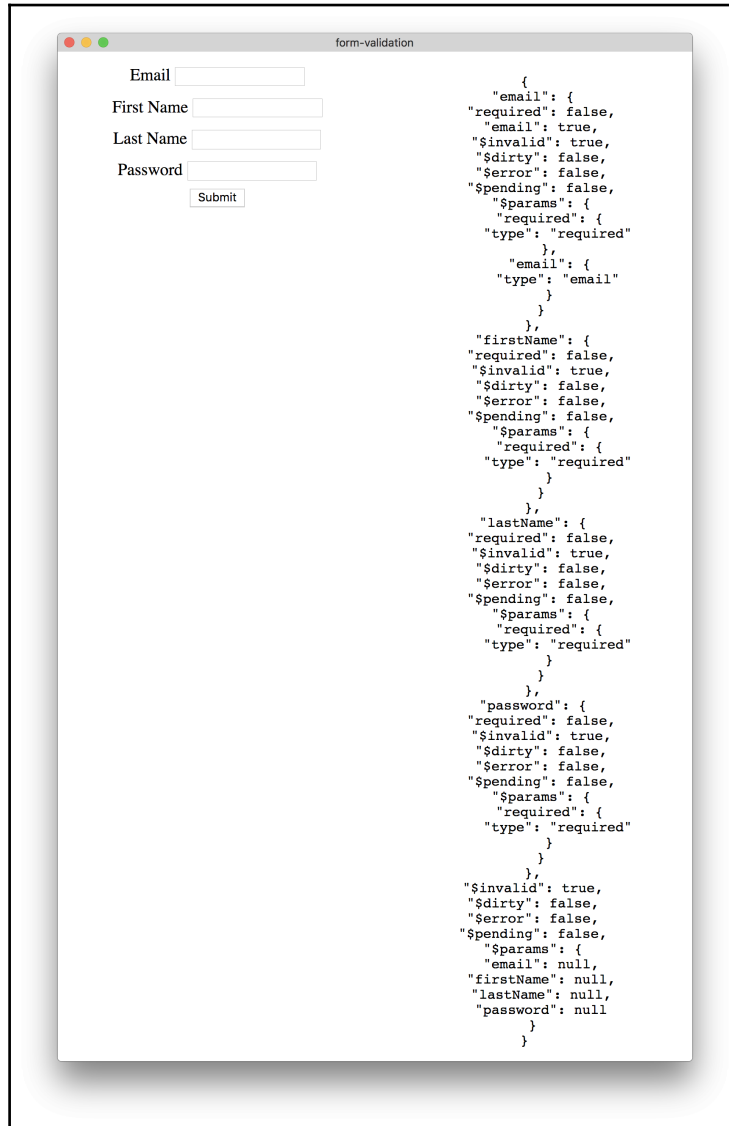








# Chapter 6: Creating Better UI

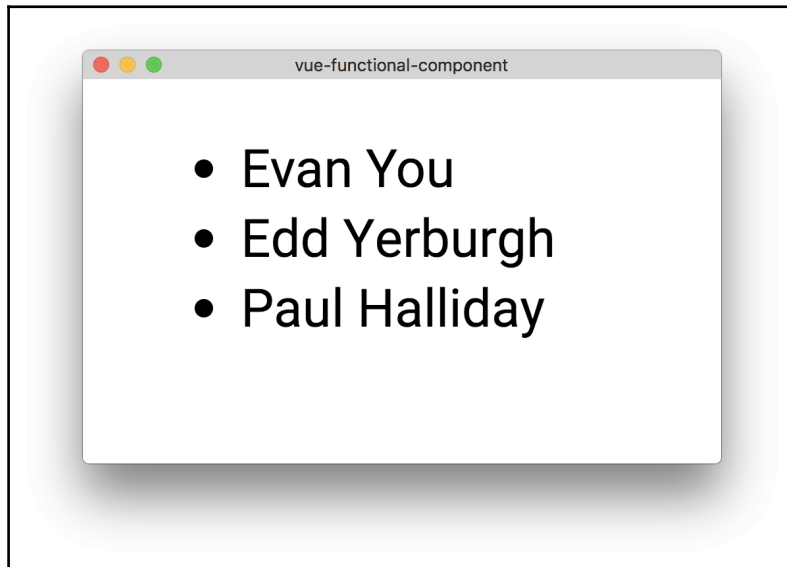


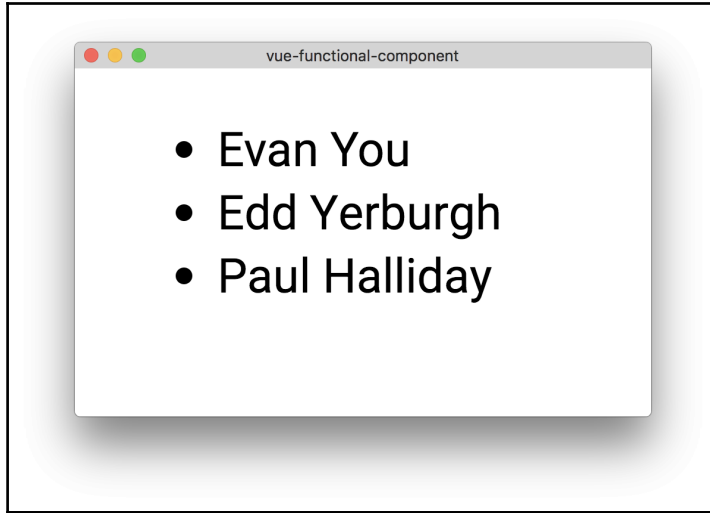
Email

First Name

Last Name

Password





- Evan You
- Edd Yerburgh
- Paul Halliday

# Chapter 7: HTTP and WebSocket Communication

```
Pauls-iMac:vue-http paulhalliday$ json-server db.json
--watch

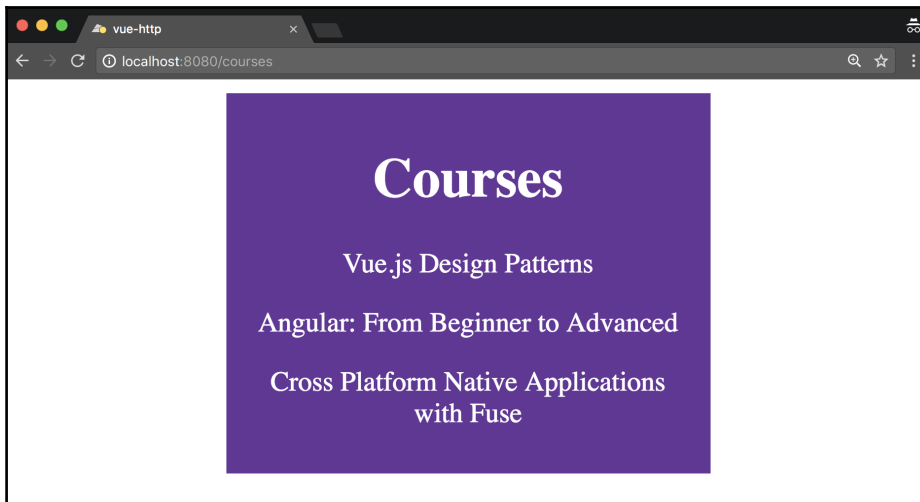
\{^_^}/ hi!

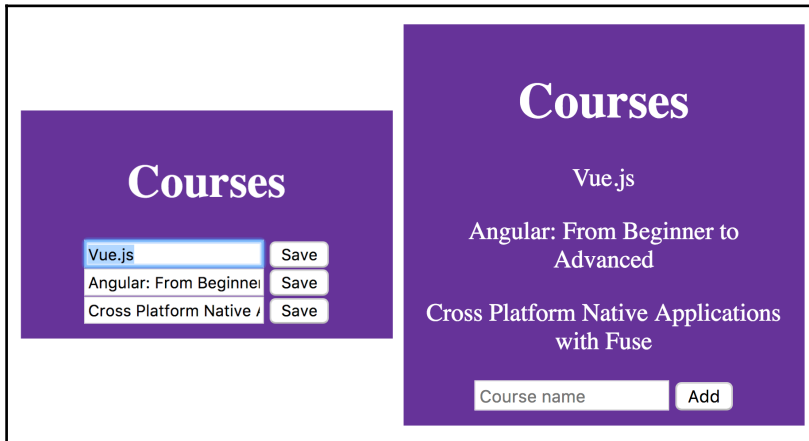
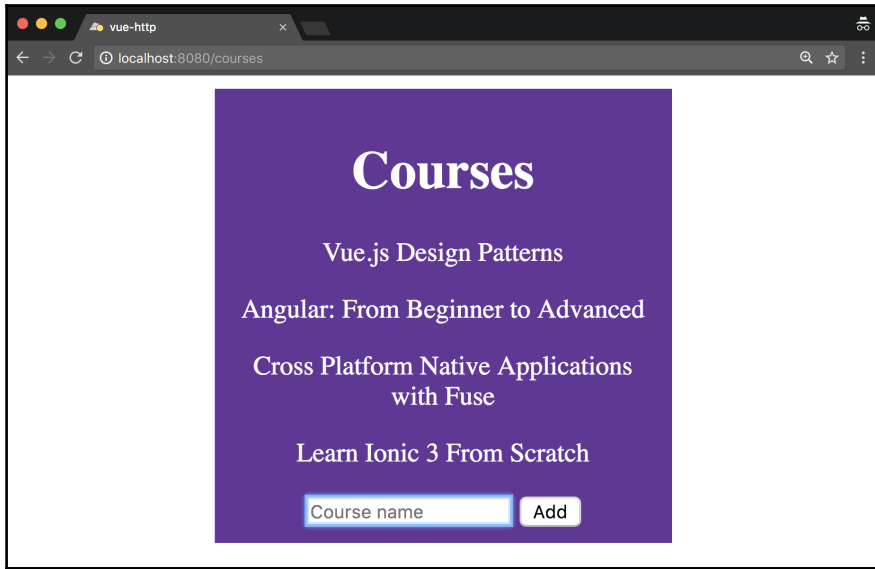
Loading db.json
Done

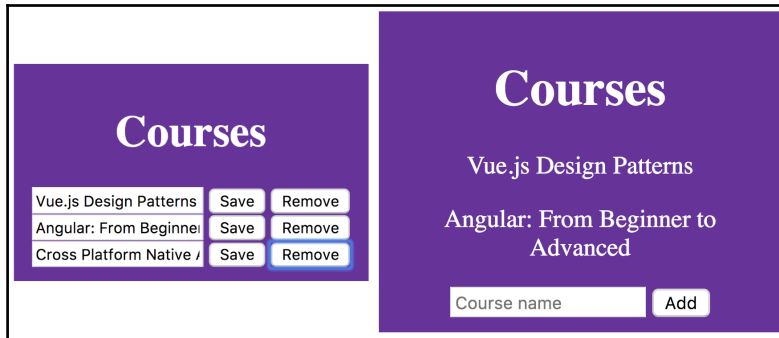
Resources
http://localhost:3000/courses

Home
http://localhost:3000

Type s + enter at any time to create a snapshot of
the database
Watching...
```

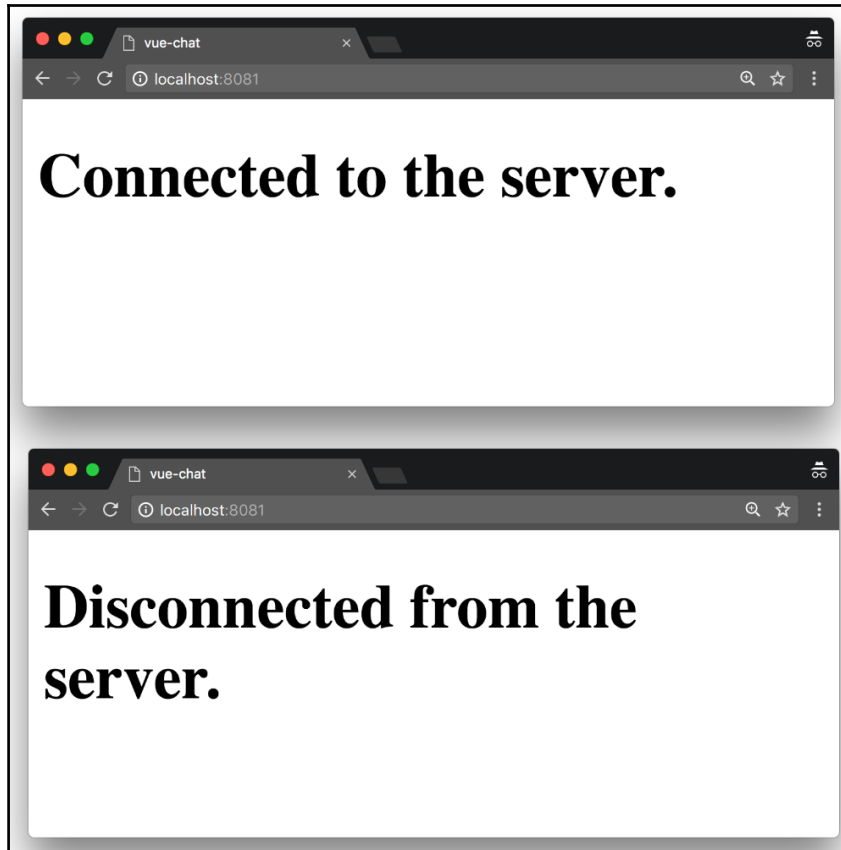


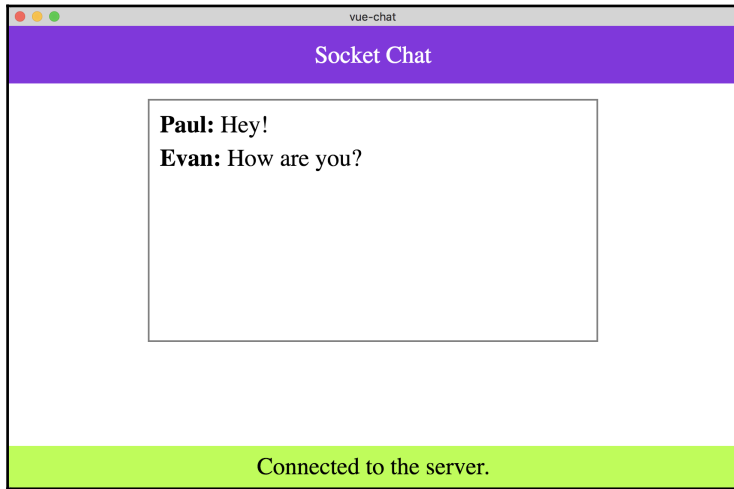
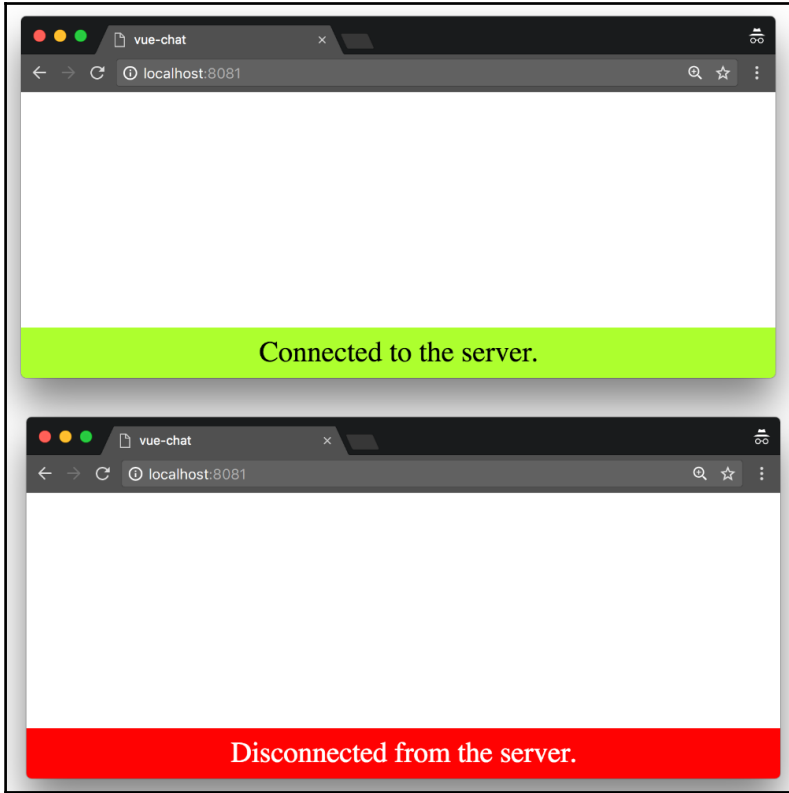


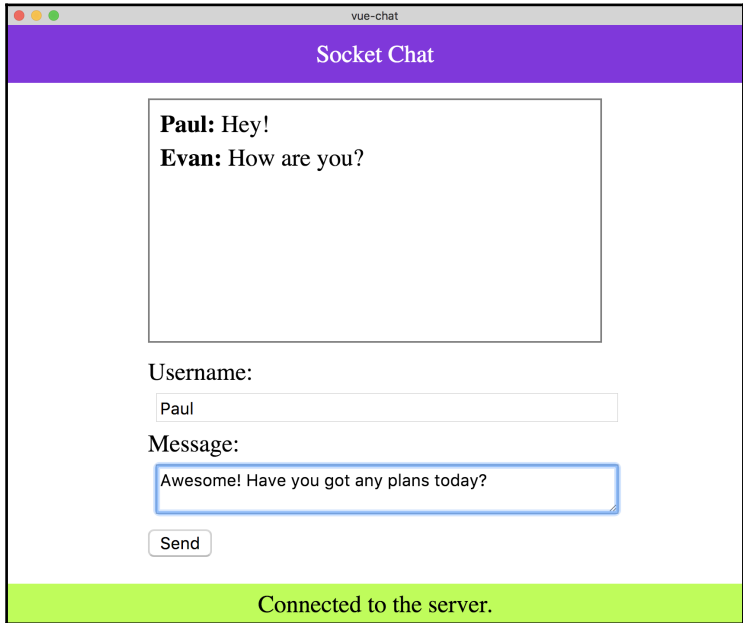
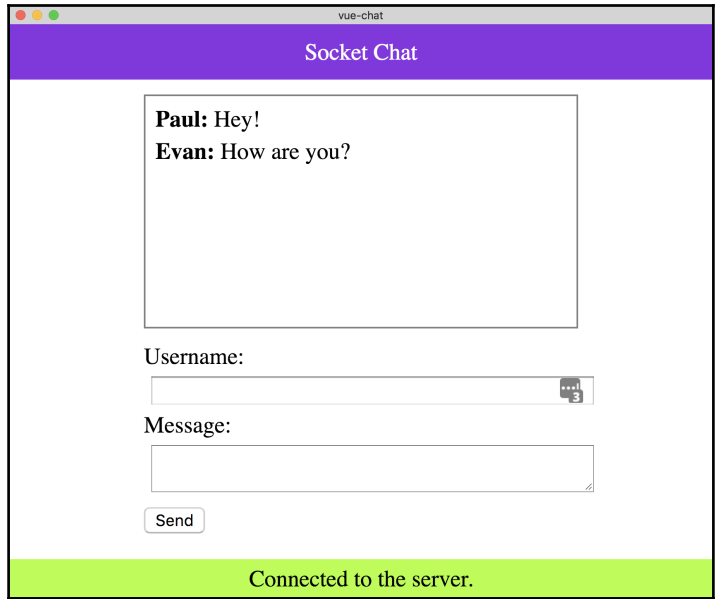


```
Pauls-iMac:server paulhalliday$  
node server.js  
Listening on port: 3000  
A user connected.
```









```
[nodemon] 1.12.1
[nodemon] to restart at any time, enter `rs`
[nodemon] watching: *.*
[nodemon] starting `node server.js`
Listening on port: 3000
A user connected.
{ username: 'Paul',
  message: 'Awesome! Have you got any plans today?' }
```

vue-chat

### Socket Chat

**Paul:** I love working with Vue.js!

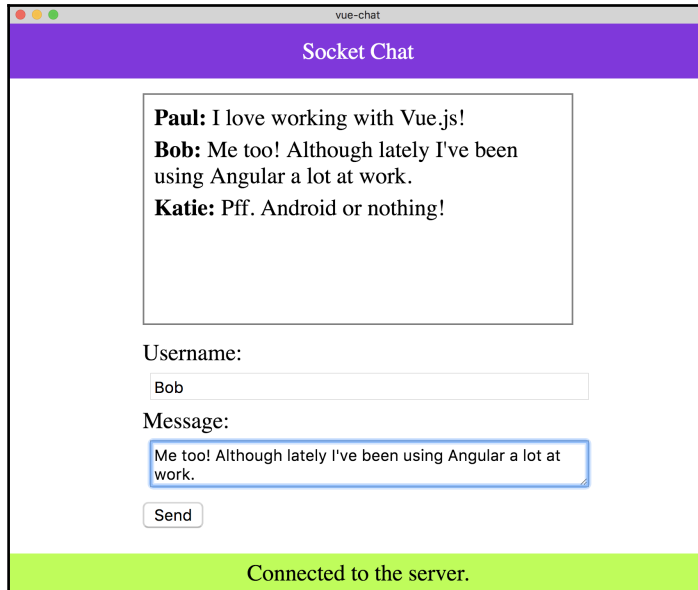
**Bob:** Me too! Although lately I've been using Angular a lot at work.

**Katie:** Pff. Android or nothing!

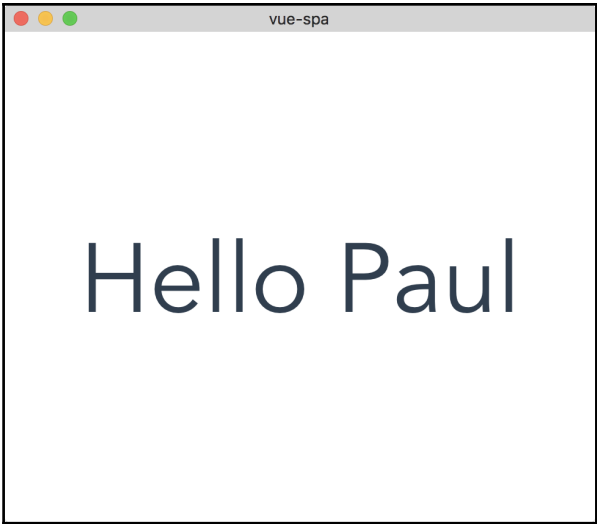
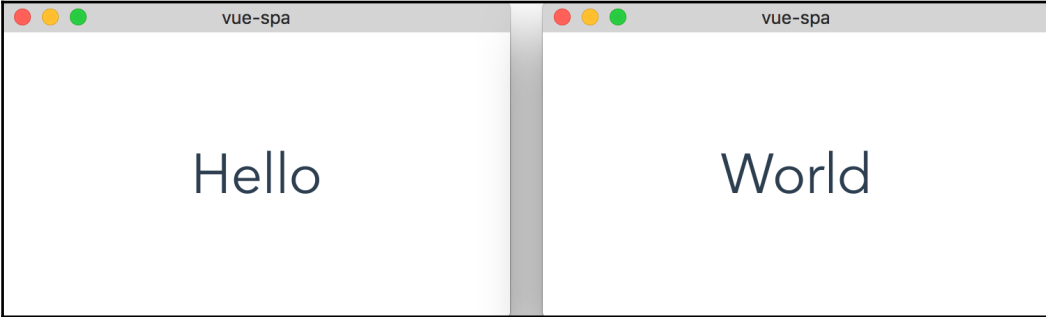
Username:

Message:

Connected to the server.



# Chapter 8: Vue Router Patterns



Developer Tools - http://localhost:8082/



Elements Console Sources **Network** Performance Memory Application >> ⚠ 4

View: [Icons] Group by frame Preserve log  Disable cache Offline Online

build  Hide data URLs All XHR JS CSS Img Media Font Doc WS Manifest Other

29 ms 113 ms 240 ms

100 ms 200 ms 300 ms 400 ms 500 ms 600 ms

Name	Headers	Preview	Response	Timing
 build.js /dist				
 1.build.js /dist				

```
3  
4  
5  
6  
7  cript_index_0_bustCache_Hello_vue__ = __webpack_require__(47);  
8  
9  
10  
11  
12  
13  
14 ],\"names\": [],\"mappings\": \"\\\"\\\", \"file\": \"Hello.vue\", \"sour  
15  
16  
17  
18  
19  
20  
21
```

2 / 5 requests | 1.9 MB / 1.9 MB transferr... Aa .\* hello 6 of 7 Cancel

Developer Tools - http://localhost:8082/




Elements Console Sources **Network** Performance Memory Application >> ⚠ 4

View: [Icons]  Group by frame  Preserve log  Disable cache  Offline Online

build  Hide data URLs All XHR JS CSS Img Media Font Doc WS Manifest Other

29 ms 113 ms 240 ms

5000 ms 10000 ms 15000 ms 20000 ms 25000 ms 30000 ms 35000 ms

Name	Headers	Preview	Response	Timing
 build.js /dist				2 3 4
 1.build.js /dist				5 6
 0.build.js /dist				7 8 9 10 11 12 13 14 15 16 17 18 19

```
constCache_world_vue__ = __webpack_require__(48);\n/* empty harm
```

```
\"mappings\": \"\", \"file\": \"World.vue\", \"sourceRoot\": \"\"]
```

3 / 6 requests | 1.9 MB / 1.9 MB transferr... Aa .\* World 6 of 7 Cancel



- 
- The image shows a screenshot of a web browser window. The title bar at the top indicates the page is titled "vue-spa". The main content area of the browser displays a bulleted list of names, each underlined and rendered in blue text, suggesting they are hyperlinks. The names listed are: Leanne Graham, Ervin Howell, Clementine Bauch, Patricia Lebsack, Chelsey Dietrich, Mrs. Dennis Schulist, Kurtis Weissnat, Nicholas Runolfsdottir V, Glenna Reichert, and Clementina DuBuque.
- [Leanne Graham](#)
  - [Ervin Howell](#)
  - [Clementine Bauch](#)
  - [Patricia Lebsack](#)
  - [Chelsey Dietrich](#)
  - [Mrs. Dennis Schulist](#)
  - [Kurtis Weissnat](#)
  - [Nicholas Runolfsdottir V](#)
  - [Glenna Reichert](#)
  - [Clementina DuBuque](#)

# Patricia Lebsack

Person ID 4

Username: Karianne

Email: Julianne.OConner@kory.org

## Address

Street: Hoeger Mall

Suite: Apt. 692

City: South Elvis

Zipcode: 53919-4257

Lat: 29.4572 Lng: -164.2990

## Other

Phone: 493-170-9623 x156

Website: kale.biz

Company: Robel-Corkery

# Nicholas Runolfsdottir V

Person ID 8

Username: Maxime\_Nienow

Email: Sherwood@rosamond.me

## Address

Street: Ellsworth Summit

Suite: Suite 729

City: Aliyaview

Zipcode: 45169

Lat: -14.3990 Lng: -120.7677

## Other

Phone: 586.493.6943 x140

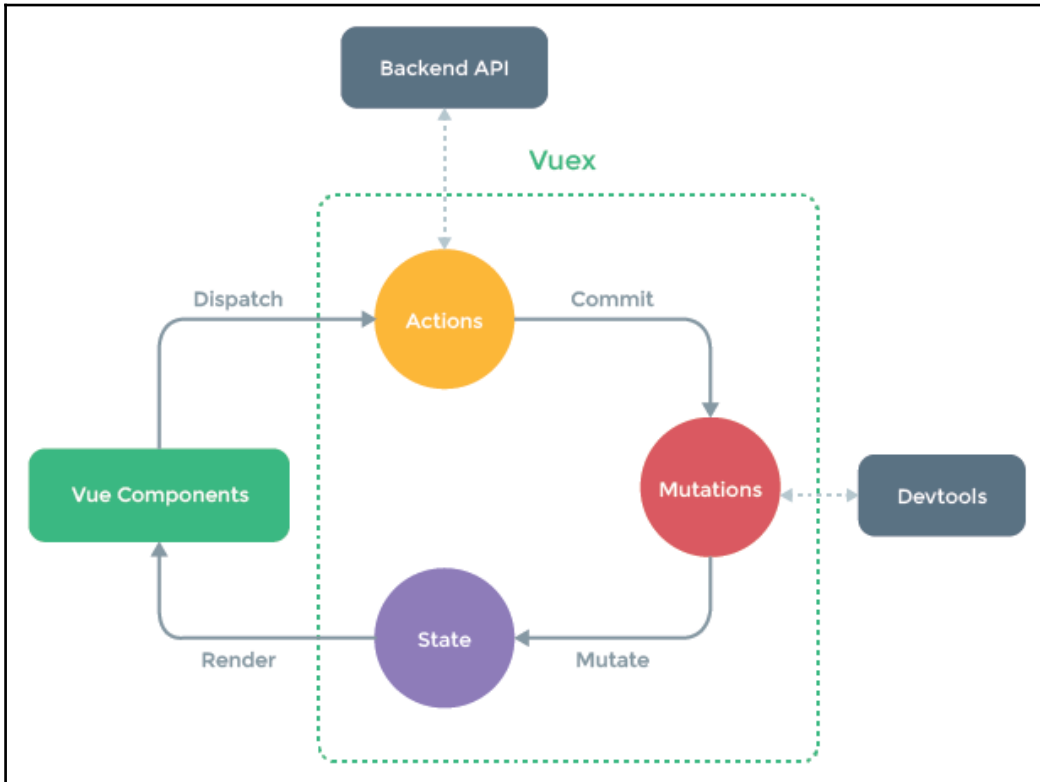
Website: jacynthe.com

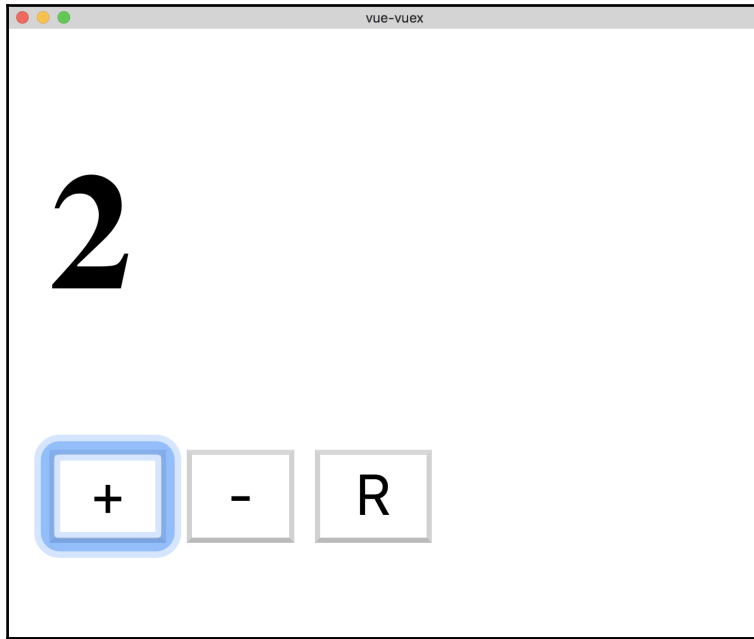
Company: Abernathy Group

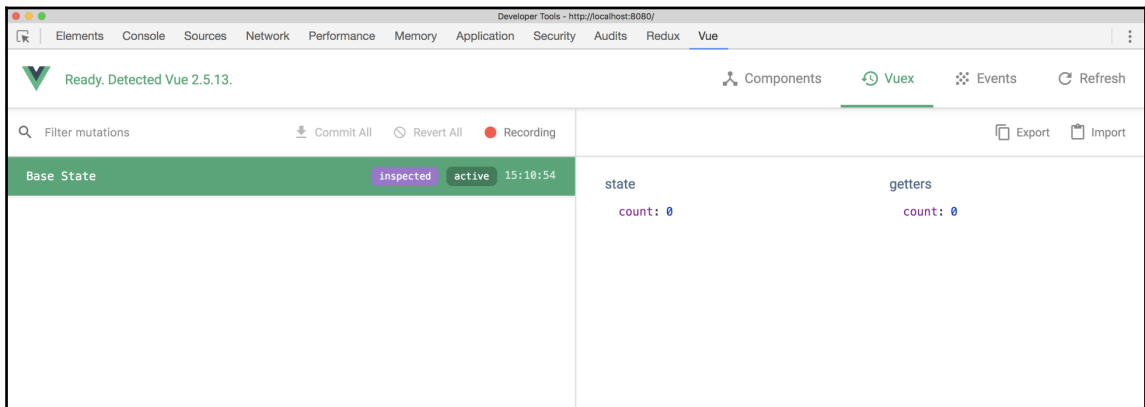
## Posts

et iusto veniam et illum aut fuga  
sint hic doloribus consequatur eos non id  
consequuntur deleniti eos quia temporibus ab  
aliquid at  
enim unde ratione doloribus quas enim ut sit  
sapiente  
dignissimos eum dolor ut enim et delectus in  
doloremque officiis ad et non perferendis  
necessitatibus quasi exercitationem odio  
quam voluptatibus rerum veritatis  
pariatur consequatur quia magnam autem omnis  
non amet  
labore in ex et explicabo corporis aut quas

# Chapter 9: State Management with Vuex







Developer Tools - http://localhost:8080/

Ready. Detected Vue 2.5.13.

Components Vuex Events Refresh

Filter mutations Commit All Revert All Recording Export Import

Mutation	Time	state	getters	mutation
Base State	15:10:54			
INCREMENT	15:11:35	count: 3	count: 3	type: "INCREMENT" payload: 1
INCREMENT	15:11:35			
INCREMENT	15:11:36			

Developer Tools - http://localhost:8080/

Ready. Detected Vue 2.5.13.

Components Vuex Events Refresh

Filter mutations Commit All Revert All Recording Export Import

Mutation	Time	state	getters	mutation
Base State	15:10:54			
INCREMENT	15:11:35	count: 1	count: 1	type: "INCREMENT" payload: 1
INCREMENT	15:11:35			
INCREMENT	15:11:36			

Developer Tools - http://localhost:8080/

Ready. Detected Vue 2.5.13.

Components Vuex Events Refresh

Filter mutations Commit All Revert All Recording Export Import

Mutation	Time	state	getters
Base State	15:13:50	count: 3	count: 3

# Chapter 10: Testing Vue.js Applications

```
Pauls-iMac:vue-testing paulhalliday$ npm run unit
> vue-testing@1.0.0 unit /Users/paulhalliday/vuejs-book/chapter-10/vue-testing
> jest --config test/unit/jest.conf.js --coverage

PASS test/unit/specs/HelloWorld.spec.js
  HelloWorld.vue
    ✓ should render correct contents (17ms)

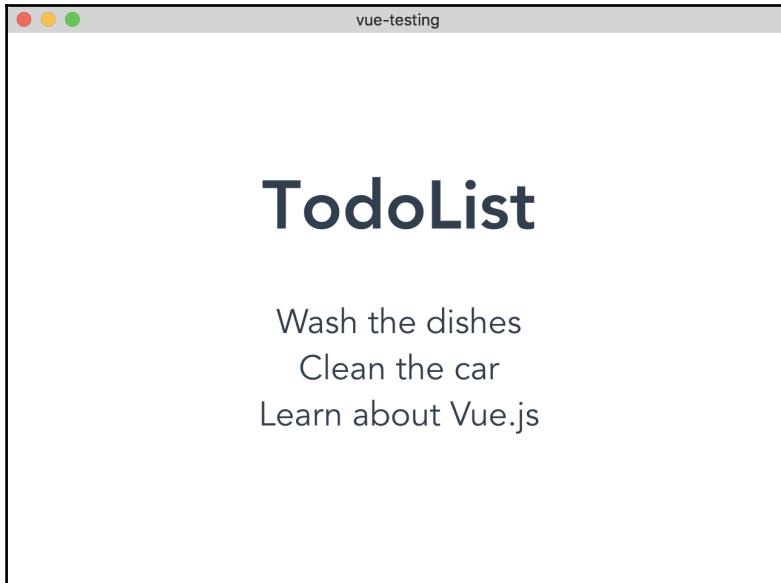
Test Suites: 1 passed, 1 total
Tests:       1 passed, 1 total
Snapshots:  0 total
Time:        0.652s, estimated 1s
Ran all test suites.
```

File	% Stmts	% Branch	% Funcs	% Lines	Uncovered Lines
All files	7.69	0	33.33	12.5	
src	0	0	0	0	
App.vue	0	0	0	0	... 19,20,21,22
src/components	100	100	100	100	
HelloWorld.vue	100	100	100	100	

```
Pauls-iMac:vue-testing paulhalliday$
```

~/vuejs-book/chapter-10/vue-testing master 1





```
Pauls-iMac:vue-test-jest paulhalliday$ npm test
> vue-test-jest@1.0.0 test /Users/paulhalliday/vuej
est
> jest

PASS src/components/__test__/TodoList.spec.js
  TodoList.vue
    ✓ should contain a list of Todo items (7ms)

Test Suites: 1 passed, 1 total
Tests:       1 passed, 1 total
Snapshots:  0 total
Time:        3.935s, estimated 5s
Ran all test suites.
Pauls-iMac:vue-test-jest paulhalliday$
```

~/vuejs-book/chapter-10/vue-test-jest

```
> vue-test-jest@1.0.0 test /Users/paulhalliday/vuejs-book/chapter-10/vue-test-jest
> jest

PASS src/components/__test__/TodoItem.spec.js (5.616s)
PASS src/components/__test__/TodoList.spec.js (5.63s)

Test Suites: 2 passed, 2 total
Tests:       2 passed, 2 total
Snapshots:  0 total
Time:        10.959s
Ran all test suites.
Pauls-iMac:vue-test-jest paulhalliday$
```

```
FAIL src/components/__test__/TodoList.spec.js
  ● TodoList.vue > should add an item to the todo list

  TypeError: wrapper.vm.addTo is not a function

    20 |     const wrapper = mount(TodoList);
    21 |     const todos = wrapper.vm.todos;
  >   22 |     const newTodos = wrapper.vm.addTo('Go
      to work');
    23 |
    24 |     expect(todos.length).toBeLessThan(newTo
dos.length);
    25 |   });

      at Object.<anonymous> (src/components/__test__/T
odoList.spec.js:22:31)
```

```
FAIL src/components/__test__/TodoList.spec.js
  • TodoList.vue > should add an item to the todo list

TypeError: Cannot read property 'length' of undefined

   22 |     const newTodos = wrapper.vm.addTo('Go to work');
   23 |
>  24 |     expect(todos.length).toBeLessThan(newTodos.length);
      |                                     ^
   25 |   });
   26 | });
   27 |

at Object.<anonymous> (src/components/__test__/TodoList.spec.js:24:35)
```

```
Pauls-iMac:vue-test-jest paulhalliday$ npm test

> vue-test-jest@1.0.0 test /Users/paulhalliday/vuejs-book/chapter-10/vue-test-jest
> jest

PASS src/components/__test__/TodoItem.spec.js
PASS src/components/__test__/TodoList.spec.js

Test Suites: 2 passed, 2 total
Tests:       3 passed, 3 total
Snapshots:   0 total
Time:        4.486s, estimated 7s
Ran all test suites.
```

```
FAIL src/components/__test__/TodoList.spec.js (5.193s)
  • TodoList.vue > should add an id to each todo item

expect(received).toBeTruthy()

Expected value to be truthy, instead received
undefined

   31 |
   32 |     newTodos.map(item => {
>   33 |       expect(item.id).toBeTruthy();
     34 |     });
     35 |   });
     36 | });

at src/components/__test__/TodoList.spec.js:33:23

~/vuejs-book/chapter-10/vue-test-jest
```

```
Pauls-iMac:vue-test-jest paulhalliday$ npm test


> vue-test-jest@1.0.0 test /Users/paulhalliday/vuejs-book/c
hapter-10/vue-test-jest
> jest

PASS src/components/__test__/TodoList.spec.js
PASS src/components/__test__/TodoItem.spec.js

Test Suites: 2 passed, 2 total
Tests: 4 passed, 4 total
Snapshots: 0 total
Time: 0.839s, estimated 1s
Ran all test suites.
Pauls-iMac:vue-test-jest paulhalliday$
```

Extension: Wallaby.js

Extension: Wallaby.js x



# Wallaby.js

WallabyJs.wallaby-vscode

Wallaby.js | 148,854 | ★★★★★

Integrated Continuous Testing Tool for JavaScript.

Disable Uninstall

Details Contributions Changelog Dependencies

## Wallaby.js Visual Studio Code Extension

### Quick links

- Getting Started tutorial.
- Main repository for issues/questions.

### The Awesomeness!

```
calculator.spec.js test
1 import Calculator from '../src/calculator';
2
```

```

Hello.spec.js x
Hello.spec.js — vue-wallaby-webpack-template

import Vue from 'vue'
import Hello from '@/components/Hello'

describe('Hello.vue', () => {
  // Scenario 1: Check text content
  it('should render correct contents', () => { 83ms
    const Constructor = Vue.extend(Hello)
    const vm = new Constructor().$mount()
    expect(vm.$el.querySelector('.hello h1').textContent)
      .toEqual('Welcome to Your Vue.js App')
  })

  // Scenario 2: Check type of props
  it('should props count is Number', () => { 2ms
    const Constructor = Vue.extend(Hello)
    const vm = new Constructor({
      propsData: { count: 1 }
    }).$mount()
    expect(typeof vm.$props.count).toBe('number')
  })

  // Scenario 3: Check props default value
  it('should props default value of count is 1 ', () => { 2ms
    const Constructor = Vue.extend(Hello)
    const vm = new Constructor().$mount()
    expect(vm.$props.count).toBe(1)
  })
})

```

```

Hello.spec.js
import Vue from 'vue'
import Hello from '@/components/Hello'

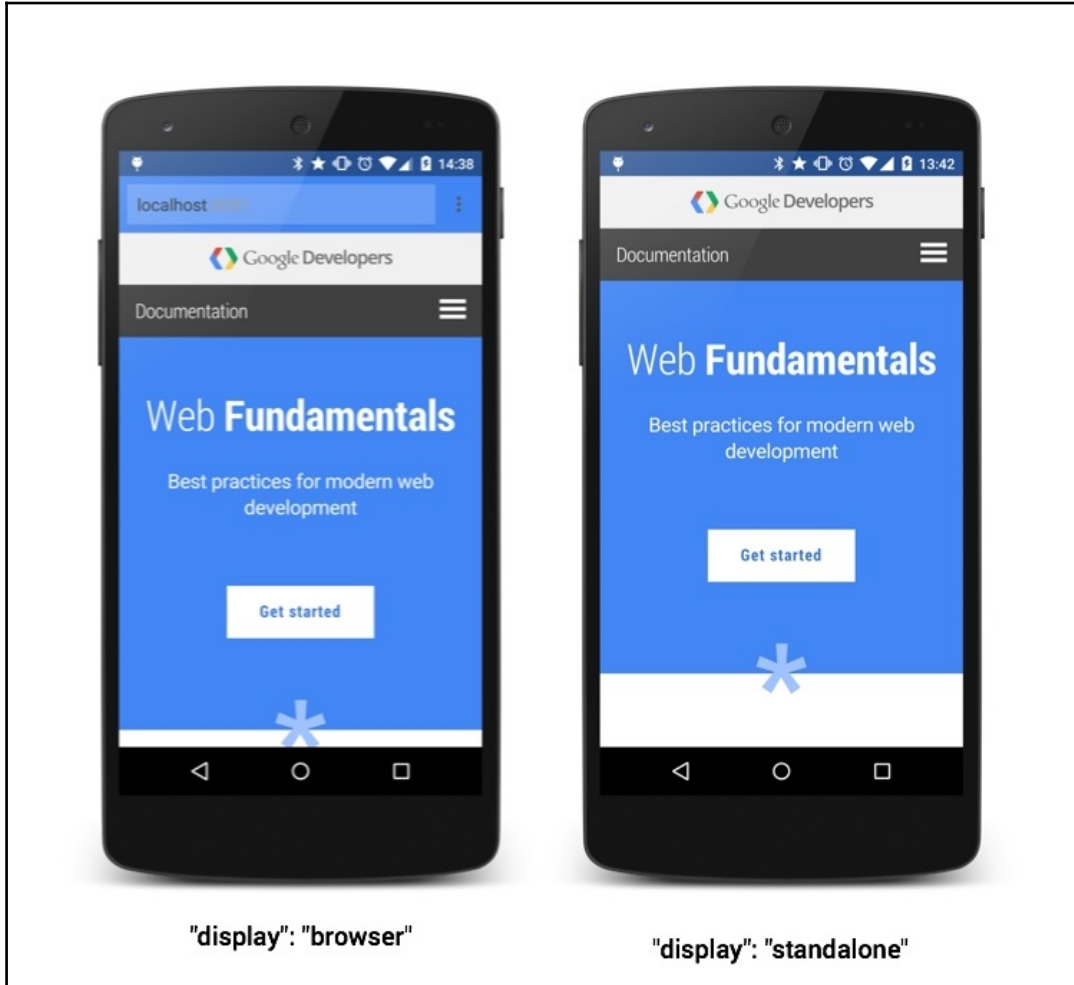
describe('Hello.vue', () => {
  // Scenario 1: Check text content
  it('should render correct contents', () => {
    const Constructor = Vue.extend(Hello)
    const vm = new Constructor().$mount()
    expect(vm.$el.querySelector('hello h1').textContent).toEqual('Welcome to Your Vue.js App')
  })

  // Scenario 2: Check type of props
  it('should props count is Number', () => {
    const Constructor = Vue.extend(Hello)
    const vm = new Constructor({
      propsData: { count: 1 }
    }).$mount()
    expect(typeof vm.$props.count).toBe('number')
  })

  // Scenario 3: Check props default value
  it('should props default value of count is 1 ', () => {
    const Constructor = Vue.extend(Hello)
    const vm = new Constructor().$mount()
    expect(vm.$props.count).toBe(1)
  })
})

```

# Chapter 11: Optimization







```
ngrok by @inconshreveable (Ctrl+C to quit)

Session Status      online
Version             2.2.8
Region              United States (us)
Web Interface        http://127.0.0.1:4040
Forwarding           http://d2cf75e2.ngrok.io -> localhost:8080
Forwarding           https://d2cf75e2.ngrok.io -> localhost:8080

Connections         ttl    opn    rt1    rt5    p50    p90
                   0      0      0.00  0.00  0.00  0.00

~/vuejs-book/vue-pwa
```



VuePWA - Overview - Firebase console

Go to docs

Project Overview

**DEVELOP**

- Authentication
- Database
- Storage
- Hosting
- Functions

**STABILITY**  
Crashlytics, Crash Reporting, Perfor...

**ANALYTICS**  
Dashboard, Events, Audiences, Attrib...

**GROW**  
Predictions, Notifications, Remote C...

Spark  
Free \$0/month **UPGRADE**

firebase!  
started here.

Add Firebase to your Android app

Add Firebase to your web app


<https://console.firebase.google.com/project/vuepwa-44ca1/hosting>

VuePWA - Hosting - Firebase console

VuePWA Go to docs

# Hosting

DASHBOARD USAGE



Deploy web and mobile web apps in seconds using a secure global content delivery network

[Learn more](#) [View the docs](#)

GET STARTED

VuePWA - Hosting - Firebase console

Go to docs

# Hosting

DASHBO

## Set up hosting

1 Install — 2 Deploy

Open a terminal window and navigate to or create a directory for your site

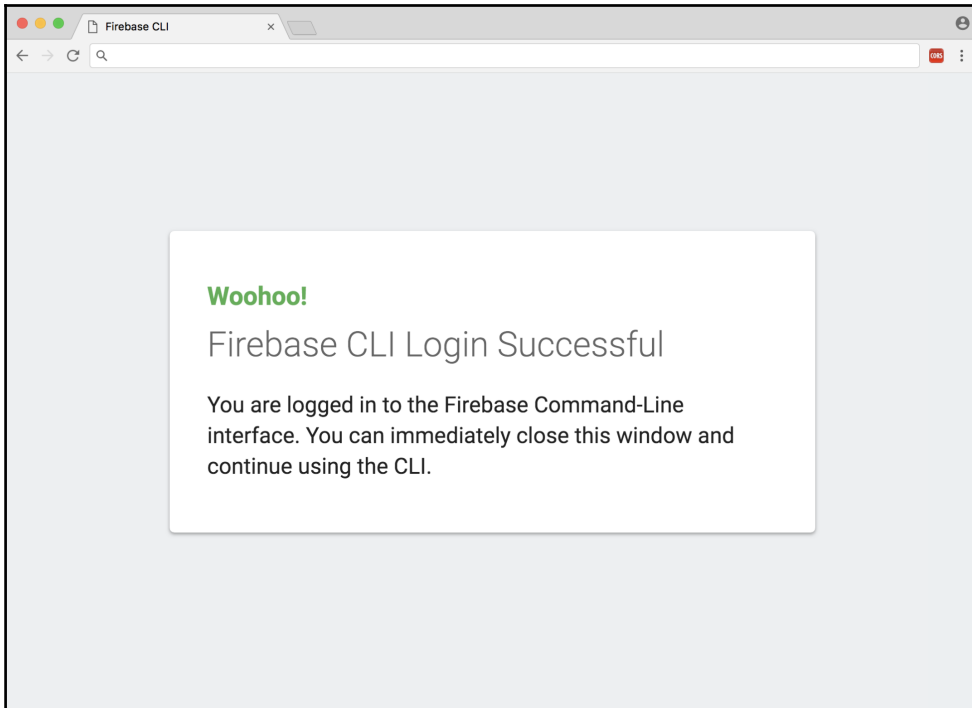
Sign in to Google: `$ firebase login`

Initiate your project: `$ firebase init`

Add your static files to your deploy directory (the default is public)

Deploy your website: `$ firebase deploy`

**FINISH**



```
You're about to initialize a Firebase project in this directory:  
  
/Users/paulhalliday/vuejs-book/vue-pwa  
  
? Which Firebase CLI features do you want to setup for this folder?  
Press Spa  
? Which Firebase CLI features do you want to setup for this folder?  
Press Space to select features, then Enter to confirm your choices.  
   Database: Deploy Firebase Realtime Database Rules  
   Firestore: Deploy rules and create indexes for Firestore  
   Functions: Configure and deploy Cloud Functions  
   Hosting: Configure and deploy Firebase Hosting sites  
   Storage: Deploy Cloud Storage security rules  
  
~/vuejs-book/vue-pwa
```

```

You can create multiple project aliases by running firebase use --add,
but for now we'll just set up a default project.

? Select a default Firebase project for this directory:
[redacted]
> VuePWA (vuepwa-44ca1)
[redacted]
[create a new project]
[don't setup a default project]
(Move up and down to reveal more choices)

~/vuejs-book/vue-pwa
```

```

have a build process for your assets, use your build's output directory.

? What do you want to use as your public directory? dist
? Configure as a single-page app (rewrite all urls to /index.html)?
Yes
? File dist/index.html already exists. Overwrite? No
i Skipping write of dist/index.html

i Writing configuration info to firebase.json...
i Writing project information to .firebaserc...

✓ Firebase initialization complete!
Pauls-iMac:vue-pwa paulhalliday$
```

```
Pauls-iMac:vue-pwa paulhalliday$ firebase deploy
```

```
=== Deploying to 'vuepwa-44ca1'...
```

```
i deploying hosting
```

```
i hosting: preparing dist directory for upload...
```

```
✓ hosting: 24 files uploaded successfully
```

```
✓ Deploy complete!
```

```
Project Console: https://console.firebase.google.com/project/vuepwa-44ca1/overview
```

```
Hosting URL: https://vuepwa-44ca1.firebaseio.com
```

```
Pauls-iMac:vue-pwa paulhalliday$
```

```
~/vuejs-book/vue-pwa
```



VuePWA - Hosting - Firebase console

VuePWA

Go to docs

# Hosting


DASHBOARD USAGE

## Domain

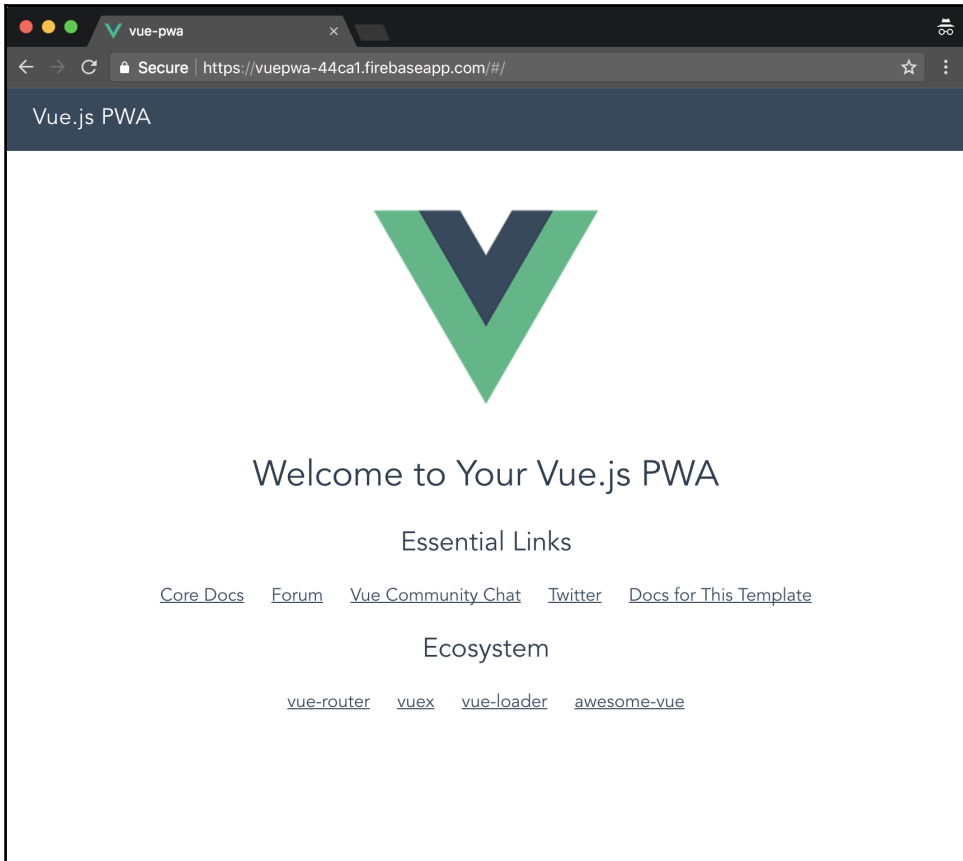
CONNECT DOMAIN

Domain	Status
vuepwa-44ca1.firebaseio.com	

## Deployment history

Status	Time:	Deploy	Files
★ <b>Current</b>	8 Jan 2018 13:24	 you@email.com gbXuJ6	24

Rows per page: 10 1-1 of 1



Vue.js PWA



Welcome to Your Vue.js PWA

Essential Links

[Core Docs](#) [Forum](#) [Vue Community Chat](#) [Twitter](#) [Docs for This Template](#)

Ecosystem

[vue-router](#) [vuex](#) [vue-loader](#) [awesome-vue](#)

```
Pauls-iMac:vue-pwa paulhalliday$ npm test

> vue-pwa@1.0.0 test /Users/paulhalliday/vuejs-book/vue-pwa
> jest

PASS src/components/__tests__/Hello.spec.js
  Hello.vue
    ✓ should greet the user (13ms)

Test Suites: 1 passed, 1 total
Tests:       1 passed, 1 total
Snapshots:   0 total
Time:        0.884s
Ran all test suites.
Pauls-iMac:vue-pwa paulhalliday$
```

Create a New Repository

GitHub, Inc. [US] | https://github.com/new


Search GitHub Pull requests Issues Marketplace Explore

## Create a new repository

A repository contains all the files for your project, including the revision history.

---

**Owner** **Repository name**


 PaulHalliday ▾ / Chapter-11-Vue-PWA ✓


Great repository names are short and memorable. Need inspiration? How about [laughing-telegram](#).

**Description** (optional)

A PWA example with Continuous Integration using Travis CI

---

 **Public**  
Anyone can see this repository. You choose who can commit.

 **Private**  
You choose who can see and commit to this repository.

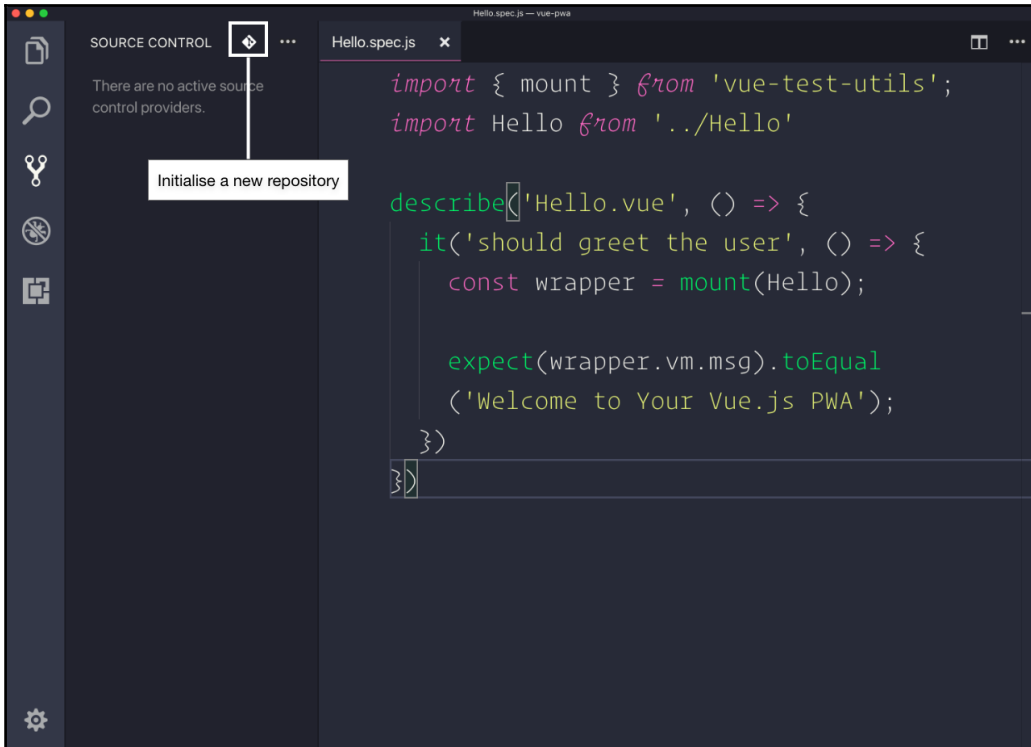
---

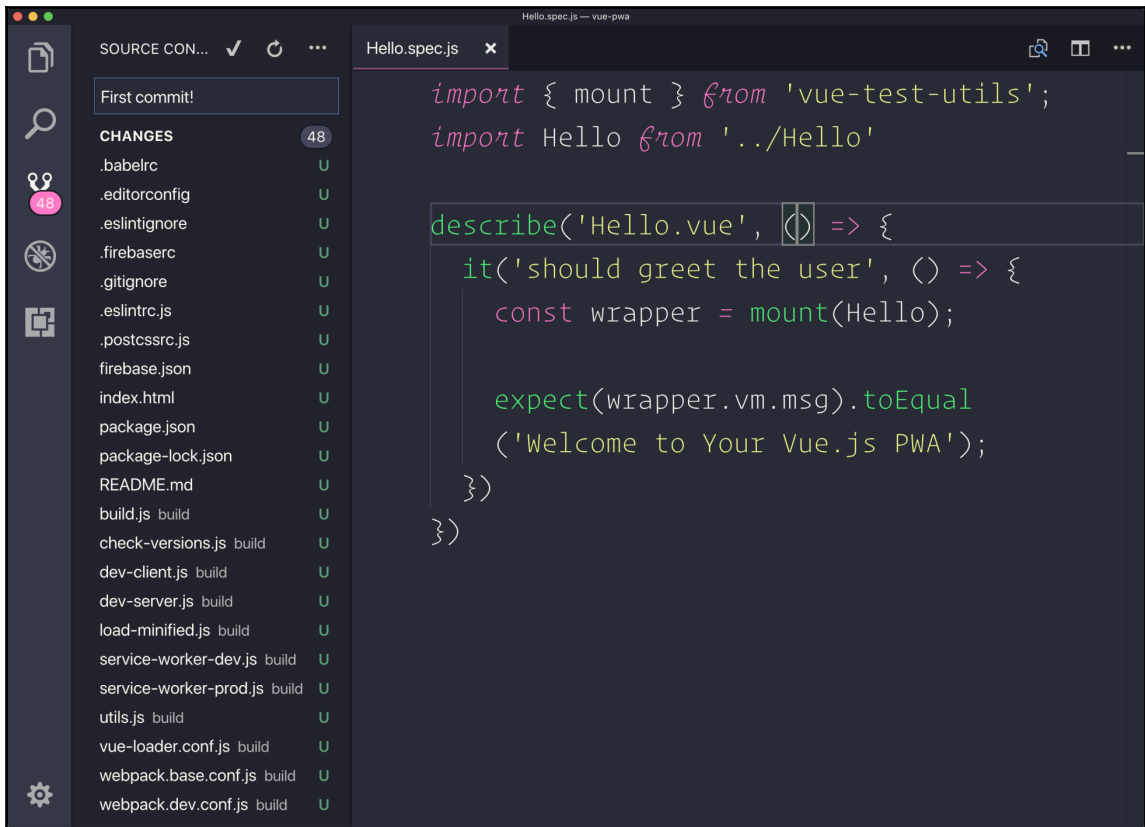
**Initialize this repository with a README**  
This will let you immediately clone the repository to your computer. Skip this step if you're importing an existing repository.

Add .gitignore: **None** ▾ | Add a license: **None** ▾ ⓘ

---

**Create repository**





PaulHalliday/Chapter-11-Vue-PWA x

GitHub, Inc. [US] | <https://github.com/PaulHalliday/Chapter-11-Vue-PWA>

This repository Search Pull requests Issues Marketplace Explore

PaulHalliday / Chapter-11-Vue-PWA Unwatch 1 Star 0 Fork 0

Code Issues 0 Pull requests 0 Projects 0 Wiki Insights Settings

### Quick setup — if you've done this kind of thing before

Set up in Desktop or HTTPS SSH <https://github.com/username/repository.git>

We recommend every repository include a [README](#), [LICENSE](#), and [.gitignore](#).

### ...or create a new repository on the command line

```
echo "# Chapter-11-Vue-PWA" >> README.md
git init
git add README.md
git commit -m "first commit"
git remote add origin https://github.com/username/repository.git
git push -u origin master
```

### ...or push an existing repository from the command line



```
git remote add origin https://github.com/username/repository.git
git push -u origin master
```

### ...or import code from another repository

You can initialize this repository with code from a Subversion, Mercurial, or TFS project.

Import code

**ProTip!** Use the URL for this page when adding GitHub as a remote.

 **Paul Halliday**  
70 repositories  
Token: 

Beta Features

[See what's new!](#)

Organizations


- You are not currently a member of any organization.

Is an organization missing?  
[Review and add your authorized organizations.](#)


# Paul Halliday

[Sync account](#)


We're only showing your public repositories. You can find your private projects on [travis-ci.com](#).



1  
Flick the repository switch on





2  
Add .travis.yml file to your repository



3  
Trigger your first build with a git push

  PaulHalliday/Chapter-11-Vue-PWA



Travis CI About Us Blog Status Help Paul Halliday

Search all repositories

# PaulHalliday / Chapter-11-Vue-PWA build passing

Current Branches Build History Pull Requests > Build #3 Job #3.1 More options

✓ PaulHalliday/Chapter-11-Vue # 3  
Duration: 1 min 43 sec  
Finished: less than a minute ago

✓ PaulHalliday/NgFirestoreTrav # 5  
Duration: 2 min 47 sec  
Finished: about a month ago

✓ **master** Added build script → #3.1 passed Restart job

Commit 3f9c814  
Compare 26ba4b5...3f9c814  
Branch master


Paul Halliday authored and committed

[Job log](#) [View config](#)


```
1 Worker information worker_info
2 mode of '/usr/local/ci-ang-5.0.0/bin' changed from 0777 (rwxrwxrwx) to 0775 (rwxrwxr-x)
3 Build system information system_info
404
405 removed '/etc/apt/sources.list.d/basho_riak.list'
406 Executing: /tmp/tmp.Kl7XKP2pF1/gpg.1.sh --keyserver
407 hkp://keyserver.ubuntu.com:80
408 --recv
409 EA312927
410 gpg: requesting key EA312927 from hkp server keyserver.ubuntu.com
411 gpg: key EA312927: public key "MongoDB 3.2 Release Signing Key <packaging@mongodb.com>" imported
412 gpg: Total number processed: 1
413 gpg:      imported: 1 (RSA: 1)
414 W: http://ppa.launchpad.net/couchdb/stable/ubuntu/dists/trusty/Release.gpg: Signature by key
15866BAFD99CC4F3C1E8DFC7D69548E1C17EAB57 uses weak digest algorithm (SHA1)
415 127.0.0.1 localhost
416 ::1 ip6-localhost ip6-loopback
417 fe00::0 ip6-localnet
418 ff00::0 ip6-mcastprefix
419 ff02::1 ip6-allnodes
420 ff02::2 ip6-allrouters
421 172.17.0.4 travis-job-paulhalliday-chapter-11-vue-326848651.travis-ci.net travis-job-paulhalliday-chapter-
11-vue-326848651
422 $ git clone --depth=50 --branch=master https://github.com/PaulHalliday/Chapter-11- git_checkout 0.38s
431 $ export PATH=./node_modules/.bin:$PATH
432 Updating npm
433 $ npm install 0.3.0 npm_install 4.83s
441 $ node --version
442 v9.3.0
443 $ npm --version
444 5.5.1
445 $ npm --version
446 0.33.8
447 $ npm install install_npm 41.84s
2814 $ npm run build 15.46s
2815
2816 > vue-pwa@1.0.0 build /home/travis/build/PaulHalliday/Chapter-11-Vue-PWA
2817 > node build/build.js
2818
2819 Total precache size is about 111 kB for 5 resources.
2820 Hash: b7eab72e2de21db126b8
2821 Version: webpack 3.10.0
```

```
2861 PASS src/components/__tests__/Hello.spec.js
2862 Hello.vue
2863 ✓ should greet the user (41ms)
2864
2865 Test Suites: 1 passed, 1 total
2866 Tests: 1 passed, 1 total
2867 Snapshots: 0 total
2868 Time: 2.583s
2869 Ran all test suites.
```

PaulHalliday/Chapter-11-Vue-PWA - Travis CI

Travis CI [About Us](#) [Blog](#) [Status](#) [Help](#) Paul Halliday 

Search all repositories

PaulHalliday / Chapter-11-Vue-PWA  build passing

My Repositories + Current Branches Build History Pull Requests Settings More options

✓ PaulHalliday/Chapter-11-Vue # 3  
 ⌚ Duration: 1 min 43 sec  
 📅 Finished: 15 minutes ago

✓ PaulHalliday/NgFirestoreTravi # 5  
 ⌚ Duration: 2 min 47 sec  
 📅 Finished: about a month ago

### General

OFF Build only if .travis.yml is present  ON Build branch updates

OFF Limit concurrent jobs  ON Build pull request updates

### Auto Cancellation

Auto Cancellation allows you to only run builds for the latest commits in the queue. This setting can be applied to builds for Branch builds and Pull Request builds separately. Builds will only be canceled if they are waiting to run, allowing for any running jobs to finish.

ON Auto cancel branch builds  ON Auto cancel pull request builds

### Environment Variables

Notice that the values are not escaped when your builds are executed. Special characters (for bash) should be escaped accordingly.

FIREBASE\_TOKEN

OFF Display value in build log

```
2906 FAIL src/components/__tests__/Hello.spec.js
2907   Hello.vue
2908     × should greet the user (41ms)
2909
2910   • Hello.vue › should greet the user
2911
2912     expect(received).toEqual(expected)
2913
2914     Expected value to equal:
2915       "Welcome to Your Vue.js PWA"
2916     Received:
2917       "Welcome to Your Vue.js PWA! Deployed to Firebase by Travis CI"
2918
2919       6 |     const wrapper = mount(Hello);
2920       7 |
2921     >  8 |     expect(wrapper.vm.msg).toEqual('Welcome to Your Vue.js PWA');
2922       9 |   })
2923      10 | })
2924
2925     at Object.<anonymous> (src/components/__tests__/Hello.spec.js:8:28)
2926
2927 Test Suites: 1 failed, 1 total
2928 Tests:      1 failed, 1 total
2929 Snapshots:  0 total
2930 Time:       2.03s
2931 Ran all test suites.
2932 npm ERR! code ELIFECYCLE
2933 npm ERR! errno 1
2934 npm ERR! vue-pwa@1.0.0 test: `jest`
2935 npm ERR! Exit status 1
2936 npm ERR!
2937 npm ERR! Failed at the vue-pwa@1.0.0 test script.
2938 npm ERR! This is probably not a problem with npm. There is likely additional logging output above.
2939
2940 npm ERR! A complete log of this run can be found in:
2941 npm ERR!     /home/travis/.npm/_logs/2018-01-09T15_27_53_984Z-debug.log
2942
2943
2944 The command "npm run test" exited with 1.
```

```
2900 The command "npm run build" exited with 0.
2901 $ npm run test
2902
2903 > vue-pwa@1.0.0 test /home/travis/build/PaulHalliday/Chapter-11-Vue-PWA
2904 > jest
2905
2906 PASS src/components/__tests__/Hello.spec.js
2907   Hello.vue
2908     ✓ should greet the user (26ms)
2909
2910 Test Suites: 1 passed, 1 total
2911 Tests:      1 passed, 1 total
2912 Snapshots: 0 total
2913 Time:       1.733s
2914 Ran all test suites.
2915
2916
2917 The command "npm run test" exited with 0.
2918 $ firebase deploy --token $FIREBASE_TOKEN
2931
2932 Done. Your build exited with 0.
```



Welcome to Your Vue.js PWA! Deployed to Firebase by Travis CI

### Essential Links

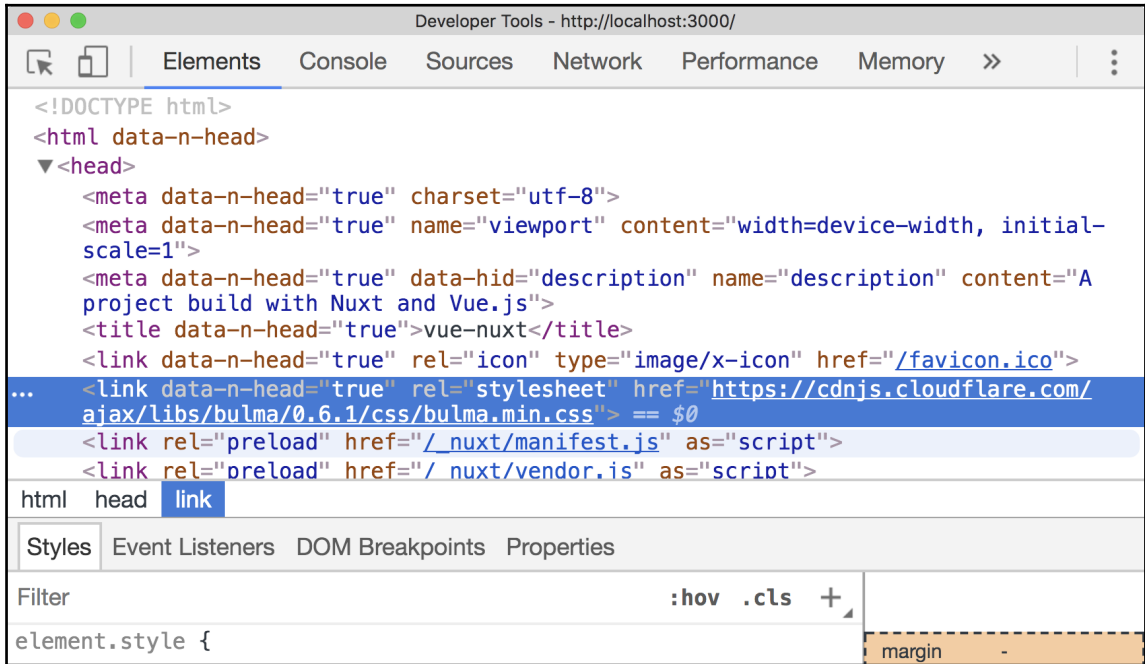
[Core Docs](#) [Forum](#) [Vue Community Chat](#) [Twitter](#) [Docs for This Template](#)

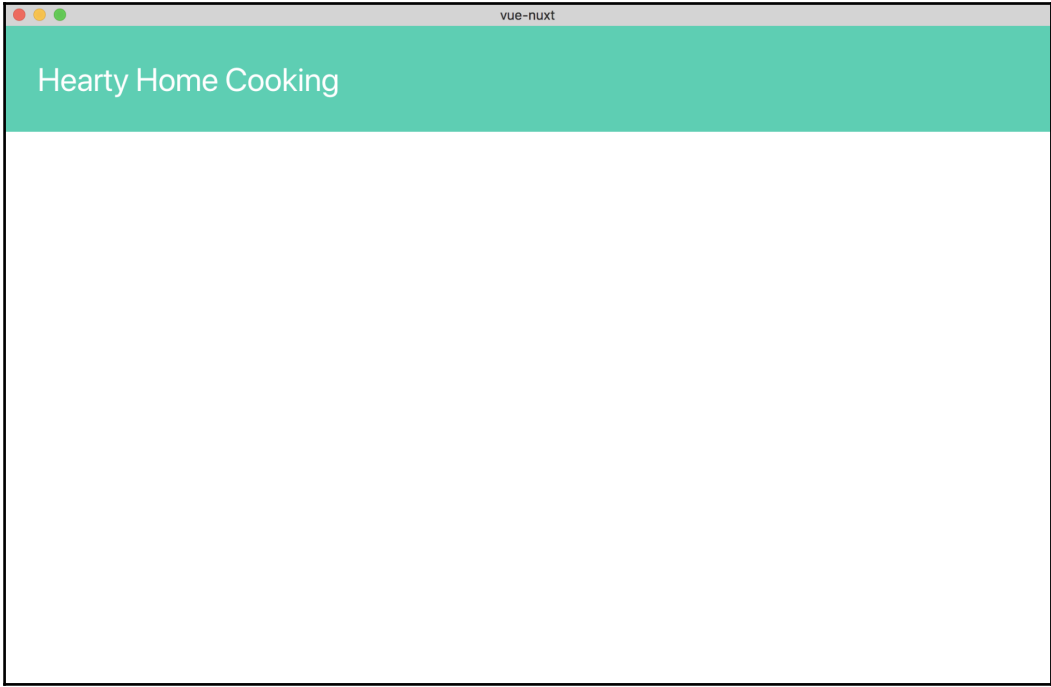
### Ecosystem

[vue-router](#) [vuex](#) [vue-loader](#) [awesome-vue](#)



# Chapter 12: Server-Side Rendering with Nuxt









### Dessert

Delicious desserts that range from creamy New York style cheesecakes to scrumptious blueberry and chocolate cakes.

[View](#)

### Healthy Eating

Healthy options don't have to be boring with our fresh salmon slices and sweet, crispy salad.

[View](#)

### Pizza

Pizza is always a popular choice, chef up the perfect meat feast with our recipes!

[View](#)

### Burgers

Be the king of the party with our flagship BBQ Burger recipe, or make something lighter with our veggie burgers!

[View](#)

vue-nuxt

Hearty Home Cooking



Blueberry and Chocolate Cake





**Page not found: 404**

[Back to the home page](#)

vue-nuxt

Hearty Home Cooking + Add New Recipe

**Recipe Title**

Title must be at least 4 characters.

**Recipe Image URL**

Image URL is required

**Steps**

Steps must be at least 30 characters.

**Category**

▾

```
Shell 2:48:38 AM
DONE Compiled successfully in 6074ms

Hash: 16c7ec03b54c8892d95e
Version: webpack 3.10.0
Time: 6074ms

    Asset      Size  Chunks             Chunk Names
pages/Recipes/new.85c2bcb26a5a4d92d073.js 23.2 kB  0 [emitted] pages/Recipes/new
pages/index.d2736d8007be480945d3.js    14.7 kB  1 [emitted] pages/index
pages/Categories/_id.14ba3fc40aa6fde8ed35.js 14.3 kB  2 [emitted] pages/Categories/_id
layouts/default.ede1e407e90c33249804.js    1.34 kB  3 [emitted] layouts/default
pages/Recipes/_id.d7f3f217eff87872307c.js 210 bytes 4 [emitted] pages/Recipes/_id
vendor.7249ad82eda605563117.js          161 kB  5 [emitted] vendor
app.d66851dfec61c45a8b84.js            27.8 kB  6 [emitted] app
manifest.16c7ec03b54c8892d95e.js        1.68 kB  7 [emitted] manifest
LICENSES                                1.01 kB  [emitted]

+ 3 hidden assets
Hash: 539a9808580be4c52c51
Version: webpack 3.10.0
Time: 382ms

    Asset      Size  Chunks             Chunk Names
server-bundle.json 151 kB  [emitted]
nuxt:build Building done +7s
Pauls-iMac:vue-nuxt paulhalliday$
```

```
Time: 6345ms

Asset                Size  Chunks  Chunk Names
pages/Recipes/new.85c2bcb26a5a4d92d073.js 23.2 kB  0 [emitted] pages/Recipes/new
pages/index.d2736d8007be480945d3.js      14.7 kB  1 [emitted] pages/index
pages/Categories/_id.14ba3fc40aa6fde8ed35.js 14.3 kB  2 [emitted] pages/Categories/_id
layouts/default.ede1e407e90c33249804.js  1.34 kB  3 [emitted] layouts/default
pages/Recipes/_id.d7f3f217eff87872307c.js 210 bytes 4 [emitted] pages/Recipes/_id
vendor.7249ad82eda605563117.js          161 kB  5 [emitted] vendor
app.48a2f8d4afe190d642aa.js             28.1 kB  6 [emitted] app
manifest.40adb286bcb4fc0982b4.js        1.68 kB  7 [emitted] manifest
LICENSES                                 1.01 kB  [emitted]

+ 2 hidden assets
nuxt: Call generate:distRemoved hooks (1) +0ms
nuxt:generate Destination folder cleaned +7s
nuxt: Call generate:distCopied hooks (1) +23ms
nuxt:generate Static & build files copied +23ms
nuxt:render Rendering url / +0ms
nuxt:render Rendering url /Recipes/new +2ms
nuxt: Call generate:page hooks (1) +45ms
nuxt: Call generate:page hooks (1) +3ms
nuxt:generate Generate file: /index.html +48ms
nuxt:generate Generate file: /Recipes/new/index.html +0ms
nuxt: Call generate:done hooks (1) +89ms
nuxt:generate HTML Files generated in 6.9s +90ms
nuxt:generate Generate done +0ms
Pauls-iMac:vue-nuxt paulhalliday$
```

```
Time: 6025ms
```

Asset	Size	Chunks	Chunk Names
pages/Recipes/new.85c2bcb26a5a4d92d073.js	23.2 kB	0 [emitted]	pages/Recipes/new
pages/index.d2736d8007be480945d3.js	14.7 kB	1 [emitted]	pages/index
pages/Categories/_id.14ba3fc40aa6fde8ed35.js	14.3 kB	2 [emitted]	pages/Categories/_id
layouts/default.ede1e407e90c33249804.js	1.34 kB	3 [emitted]	layouts/default
pages/Recipes/_id.d7f3f217eff87872307c.js	210 bytes	4 [emitted]	pages/Recipes/_id
vendor.7249ad82eda605563117.js	161 kB	5 [emitted]	vendor
app.48a2f8d4afe190d642aa.js	28.1 kB	6 [emitted]	app
manifest.40adb286bcb4fc0982b4.js	1.68 kB	7 [emitted]	manifest
LICENSES	1.01 kB	[emitted]	

+ 2 hidden assets

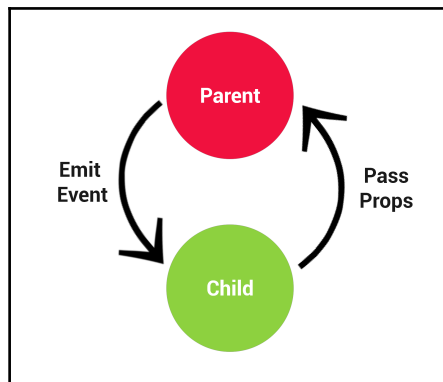
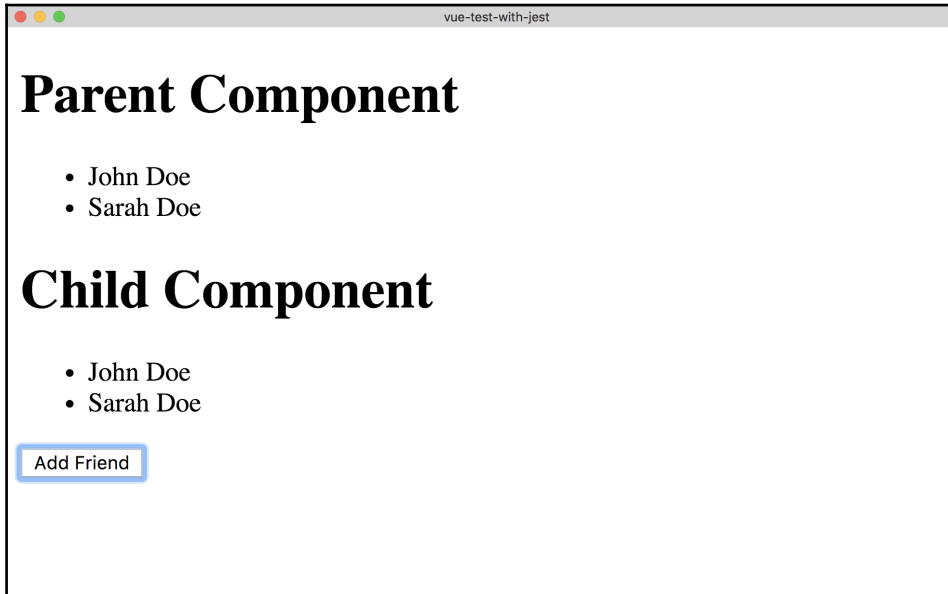
```
nuxt: Call generate:distRemoved hooks (1) +0ms
nuxt:build Destination folder cleaned +6s
nuxt: Call generate:distCopied hooks (1) +36ms
nuxt:build Static & build files copied +37ms
nuxt:render Rendering url / +0ms
nuxt:render Rendering url /Recipes/new +3ms
nuxt: Call generate:page hooks (1) +9ms
nuxt: Call generate:page hooks (1) +1ms
nuxt:build Generate file: /index.html +9ms
nuxt:build Generate file: /Recipes/new/index.html +0ms
nuxt: Call generate:done hooks (1) +1ms
nuxt:build HTML Files generated in 6.5s +1ms
```

✓ You can now directly upload dist/ or start server using "nuxt start"

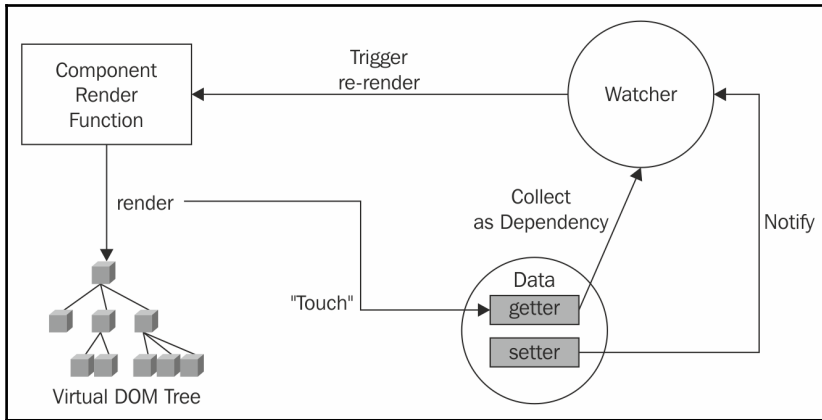
```
Pauls-iMac:vue-nuxt paulhalliday$
```

~/vuejs-book/chapter-12/vue-nuxt

# Chapter 13: Patterns







```

Developer Tools - http://localhost:8080/
Elements Console Sources Network Performance Memory >>
top Filter Default levels
Groceries.vue?1407:24
▼ (3) [{...}, {...}, {...}, __ob__: Observer] ⓘ
  ▼ 0:
    id: (...)
    name: (...)
    quantity: 1
    ▶ __ob__: Observer {value: {...}, dep: Dep, vmCount: 0}
    ▶ get id: f reactiveGetter()
    ▶ set id: f reactiveSetter(newVal)
    ▶ get name: f reactiveGetter()
    ▶ set name: f reactiveSetter(newVal)
    ▶ __proto__: Object
  ▼ 1:
    id: (...)
    name: (...)
    quantity: (...)
    ▶ __ob__: Observer {value: {...}, dep: Dep, vmCount: 0}
    ▶ get id: f reactiveGetter()
    ▶ set id: f reactiveSetter(newVal)
    ▶ get name: f reactiveGetter()
    ▶ set name: f reactiveSetter(newVal)
    ▶ get quantity: f reactiveGetter()
    ▶ set quantity: f reactiveSetter(newVal)
    ▶ __proto__: Object
  ▶ 2: {__ob__: Observer}
    length: 3
  ▶ __ob__: Observer {value: Array(3), dep: Dep, vmCount: 0}

```

Developer Tools - http://localhost:8080/

Elements Console Sources Network Performance Memory >>

top Filter Default levels

Groceries.vue?1407:25

```
▼ (3) [{...}, {...}, {...}, __ob__: Observer] ⓘ
  ▼ 0:
    id: 1
    name: "Bananas"
    quantity: 2
    ▶ __ob__: Observer {value: {...}, dep: Dep, vmCount: 0}
    ▶ get id: f reactiveGetter()
    ▶ set id: f reactiveSetter(newVal)
    ▶ get name: f reactiveGetter()
    ▶ set name: f reactiveSetter(newVal)
    ▶ get quantity: f reactiveGetter()
    ▶ set quantity: f reactiveSetter(newVal)
    ▶ __proto__: Object
  ▼ 1:
    id: 2
    name: "Pizza"
    quantity: 2
    ▶ __ob__: Observer {value: {...}, dep: Dep, vmCount: 0}
    ▶ get id: f reactiveGetter()
    ▶ set id: f reactiveSetter(newVal)
    ▶ get name: f reactiveGetter()
    ▶ set name: f reactiveSetter(newVal)
    ▶ get quantity: f reactiveGetter()
    ▶ set quantity: f reactiveSetter(newVal)
    ▶ __proto__: Object
  ▶ 2: {__ob__: Observer}
```