คพ494

หัวข้อพิเศษทางวิทยาการคอมพิวเตอร์ 1

VUE.JS

COURSE OUTLINE

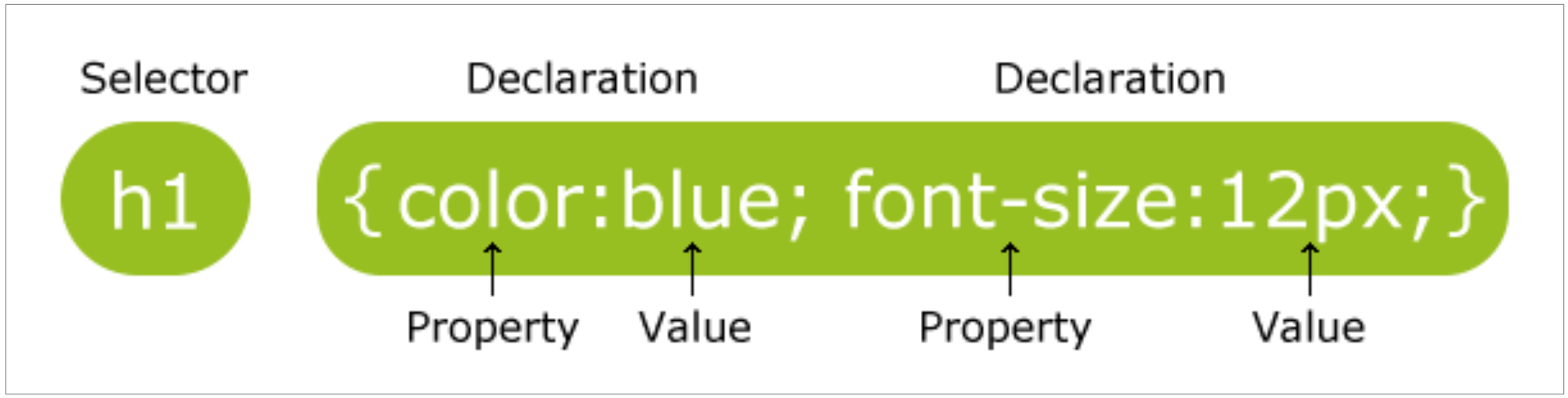
- Introduction
  - instance, syntax, setup
- Interact with DOM
  - binding, event, styling
- v-if, v-for
- Module
- Component
- FORM
- Animations
- Http
- Routing
- Vue Native

HTML
JS
CSS

HTML

- Basic HTML : doctype, head, body, h1-h6, p, br, <!– –>
- Formatting : address, b, blockquote, code, mark, …
- Forms & Input : form, input, textarea, button, select, …
- Frame, img, audio, video, a, nav, ul, ol, li, table, caption, th, td, tr, style, meta, …

CSS




```
p { text - align : center ; color : red }
```

```
#para1 {
  text-align: center;
  color: red;
}
```

```
<p id="para1">
```

```
.center {
  text-align: center;
  color: red;
}
```

```
<h1 class="center">
```

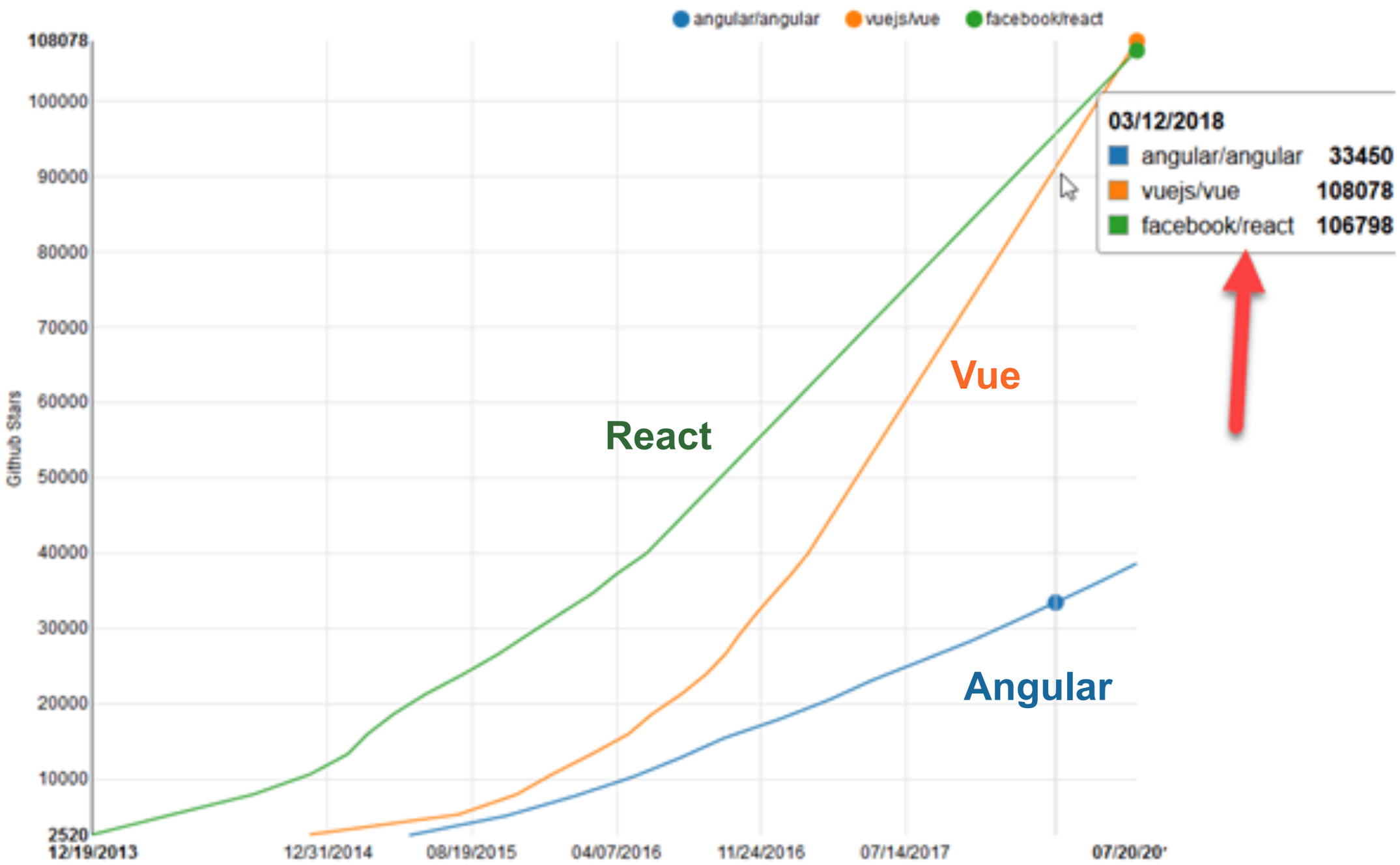
JAVASCRIP

```
<script>
function myFunction() {
    var x = document.forms["frm1"];
    var text = "";
    var i;
    for (i = 0; i < x.length ;i++) {
        text += x.elements[i].value + "<br>";
    }
    document.getElementById("demo").innerHTML = text;
}
</script>
```

```
$("#p1").mouseenter(function(){
    alert("You entered p1!");
});
```

```
$(document).ready(function(){
    $("p").click(function(){
        $(this).hide();
    });
});
```

REACT VS ANGULAR VS VUE (GITHUB STARS)



INTRODUCTION

- Vue = Progressive JavaScript Framework - เน้น focus ที่ส่วน View Layer
- Approachable : เข้าถึงได้ง่าย - Read the guide and start building things in no time!
- Versatile : อเนกประสงค์ - An incrementally adoptable ecosystem that scales between a library and a full-featured framework.
- Performant : ประสิทธิภาพ - 20KB min+gzip Runtime, Blazing Fast Virtual DOM, Minimal Optimization Efforts
- Maintainable
- Testable

ABOUT VUE

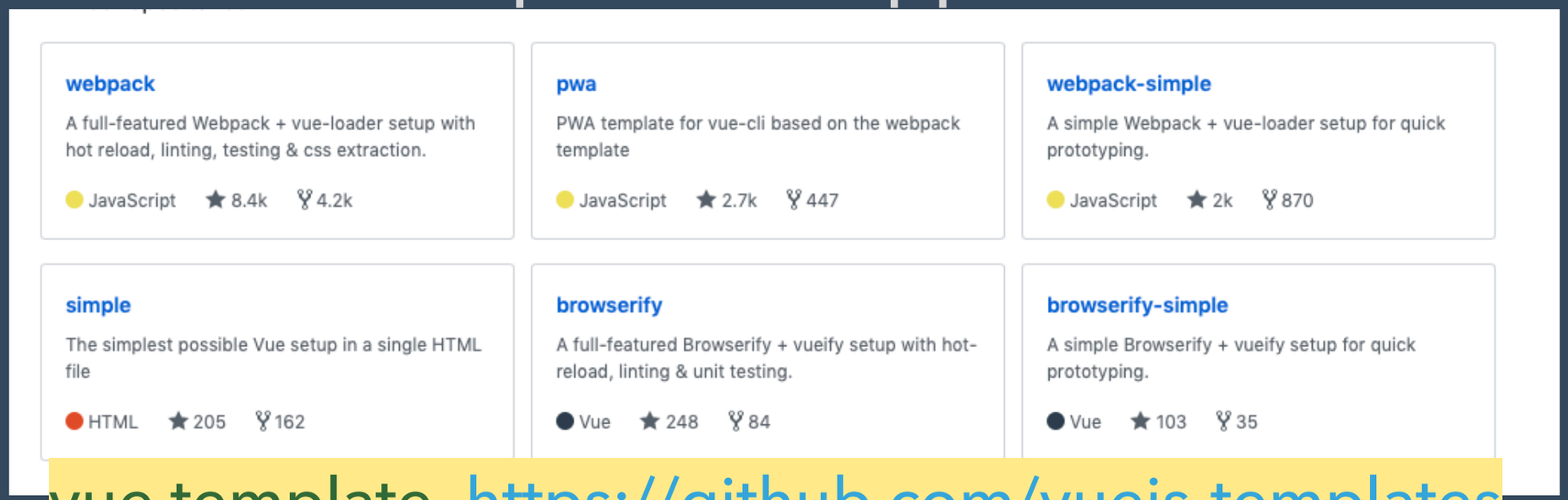
- **not** support IE8 and below
- Latest stable version: 2.5.17
- Supports server-side rendering (SSR) with streaming and component-level caching, making it possible to achieve blazing fast renders

SETUP —> RUN

1. Install Node.js and npm command
   - ➡ https://nodejs.org/en/
2. Install Vue CLI globally
   - ➡ $ npm install -g vue-cli
3. Initiate a new project

➡ $ vue init <template-name> <project-name>

➡ $ vue init webpack vueapp01

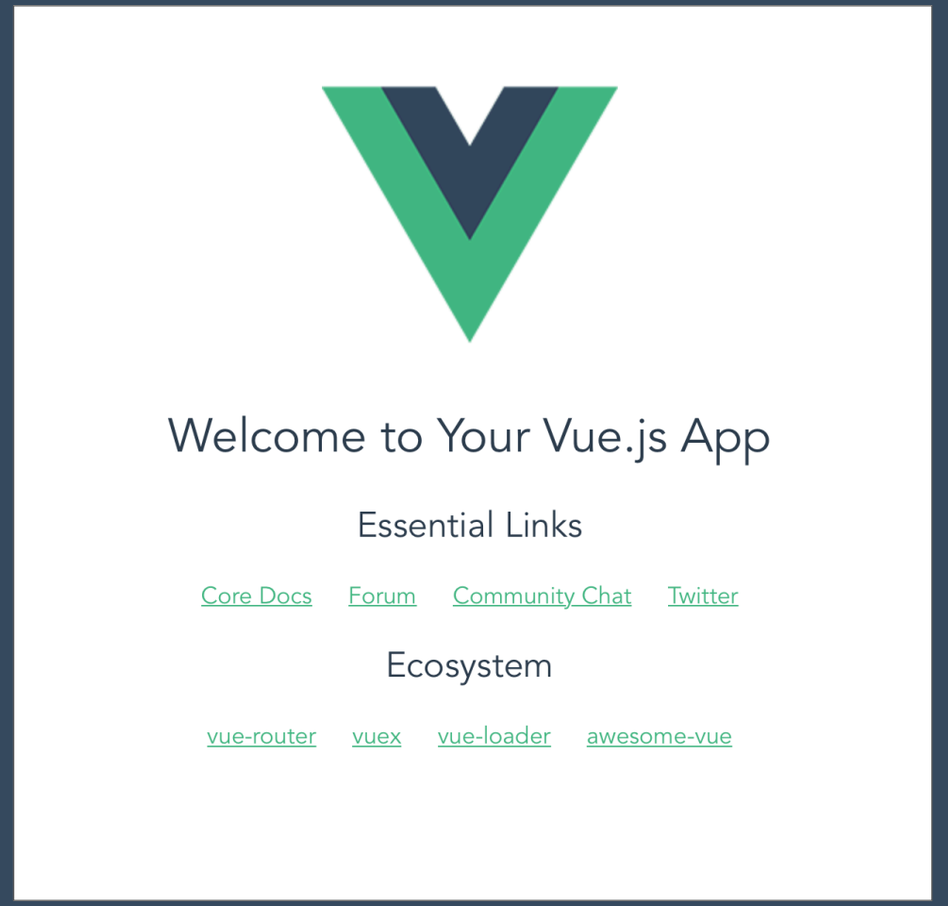


vue template https://github.com/vuejs-templates

SETUP —> RUN

4. change into the project-directory
   - ➡ $ cd vueapp01
5. Install additional dependencies
   - ➡ $ npm install
6. Launch the web server in development mode
   - ➡ $ npm run dev
   - ➡ http://localhost:8080

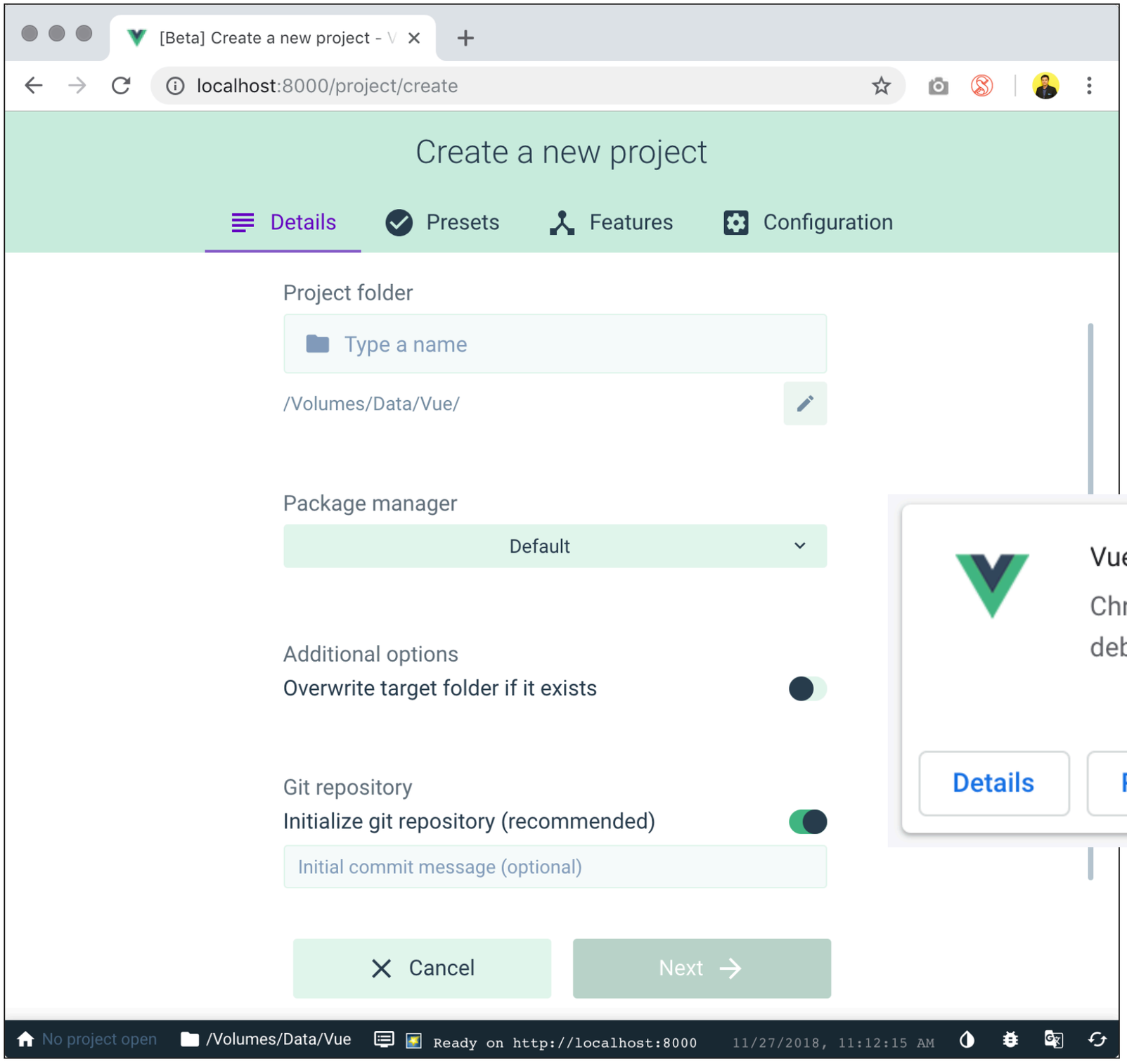
★ Build for production
   - ➡ $ npm run build



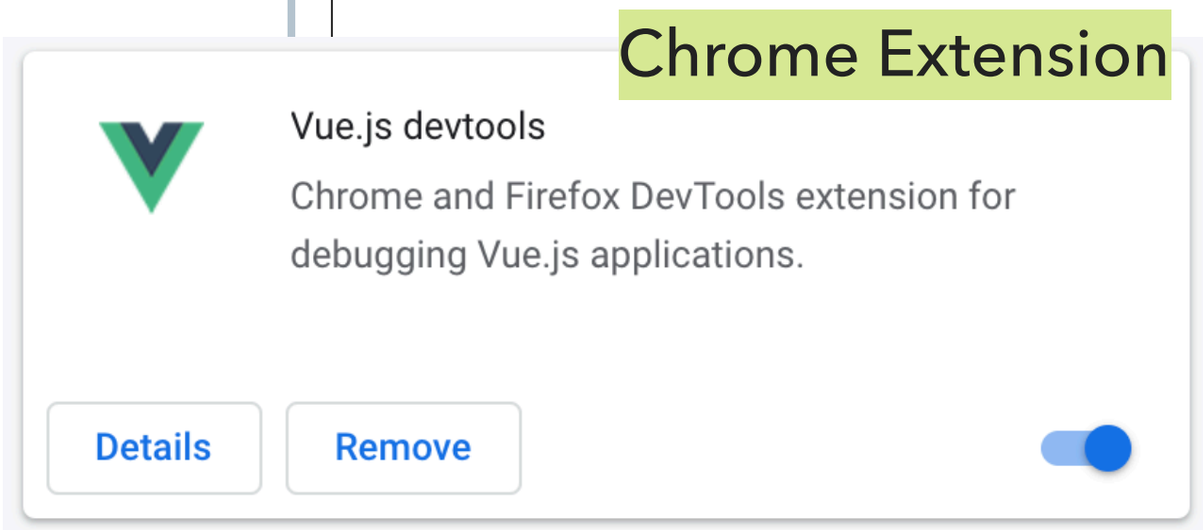
INCLUDE VUE IN PROJECTS

1. Use CDN – Include the <script> tag in the HTML File.
   - ➡ https://vuejs.org/js/vue.js (Development Version)
   - ➡ https://vuejs.org/js/vue.min.js (Production Version)
   - ➡ https://cdn.jsdelivr.net/npm/vue@2.5.17/dist/vue.js (CDN : specific version number)
   - ➡ https://unpkg.com/vue@2.5.17/dist/vue.js
2. Use the NPM to install
   - ➡ $ npm install vue
3. Use Bower to install
   - ➡ $ bower install vue
4. Set up your project with Vue-cli
   - ➡ $ vue create hello-world
   - ➡ $ vue ui

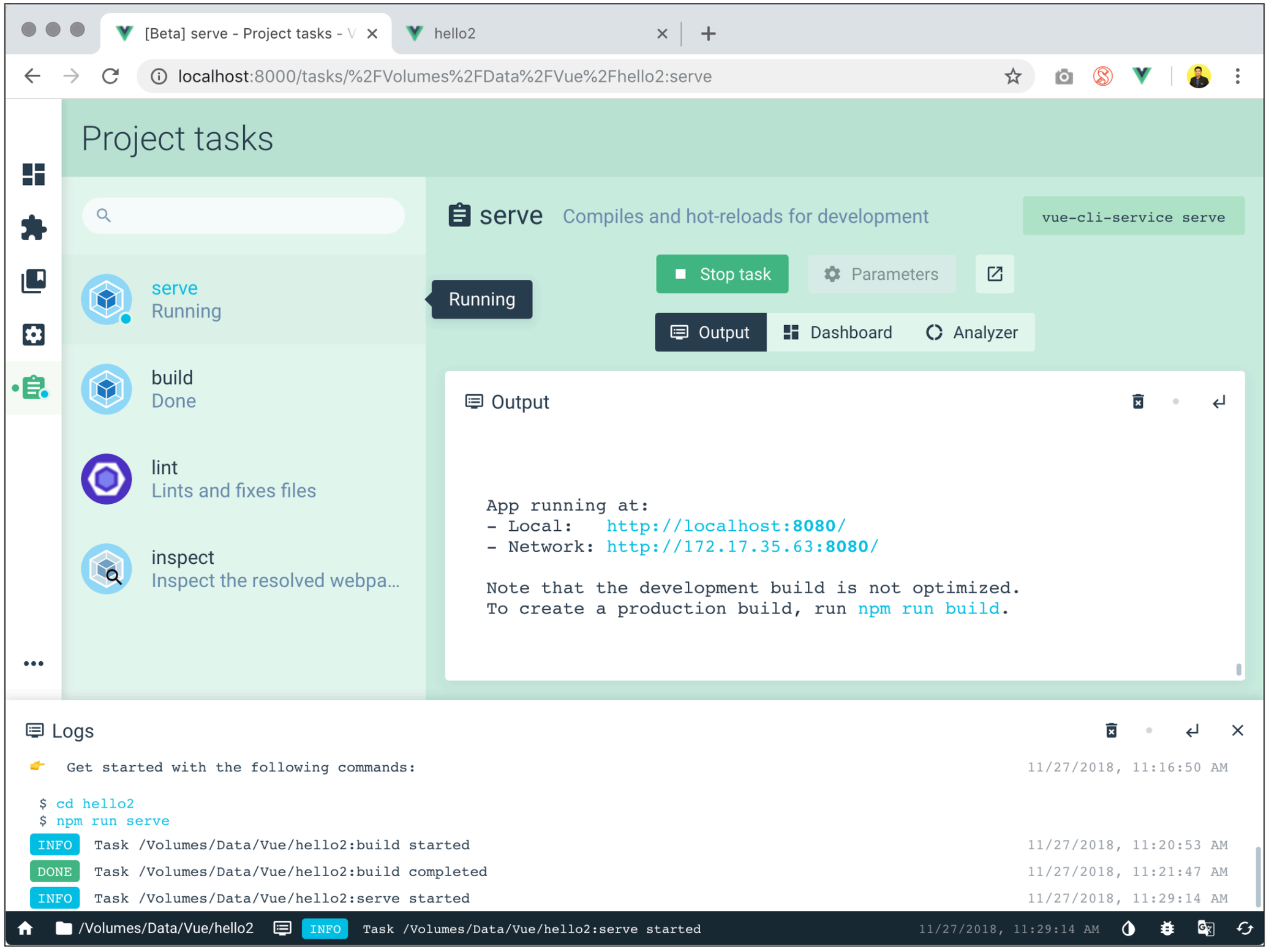
VUE UI



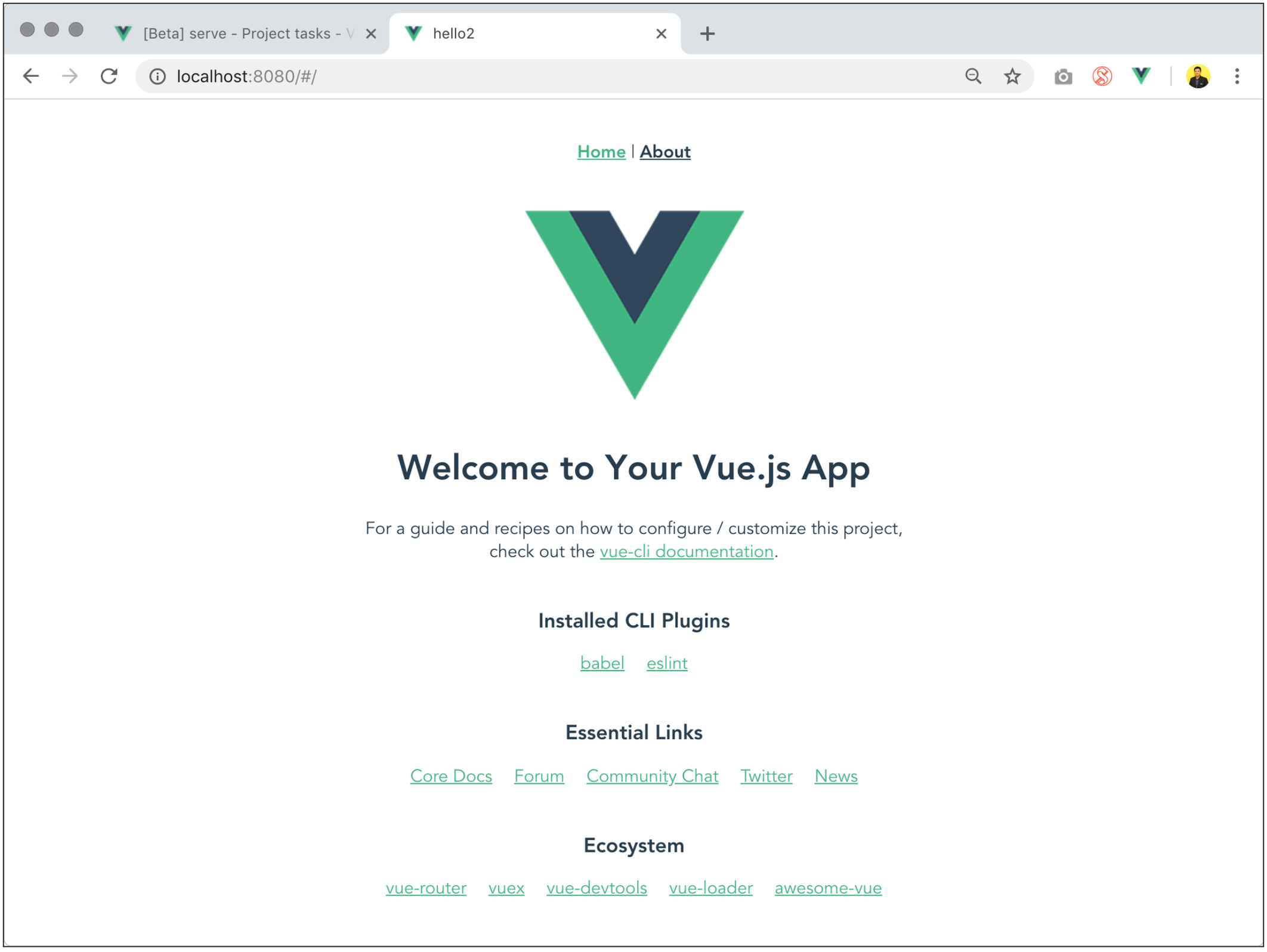
Chrome Extension



VUE UI


[Beta] serve - Project tasks - V
hello2
localhost:8000/tasks/%2FVolumes%2FData%2FVue%2Fhello2:serve
Project tasks
serve
Compiles and hot-reloads for development
vue-cli-service serve
serve
Running
Running
Stop task
Parameters
Output
Dashboard
Analyzer
build
Done
lint
Lints and fixes files
inspect
Inspect the resolved webpa...
Output
App running at:
- Local: http://localhost:8080/
- Network: http://172.17.35.63:8080/
Note that the development build is not optimized.
To create a production build, run npm run build.
Logs
Get started with the following commands:
11/27/2018, 11:16:50 AM
$ cd hello2
$ npm run serve
INFO Task /Volumes/Data/Vue/hello2:build started
11/27/2018, 11:20:53 AM
DONE Task /Volumes/Data/Vue/hello2:build completed
11/27/2018, 11:21:47 AM
INFO Task /Volumes/Data/Vue/hello2:serve started
11/27/2018, 11:29:14 AM
/Volumes/Data/Vue/hello2
INFO Task /Volumes/Data/Vue/hello2:serve started
11/27/2018, 11:29:14 AM

VUE UI


[Beta] serve - Project tasks - V
hello2
localhost:8080/#/
Home | About
Welcome to Your Vue.js App
For a guide and recipes on how to configure / customize this project,
check out the vue-cli documentation.
Installed CLI Plugins
babel eslint
Essential Links
Core Docs Forum Community Chat Twitter News
Ecosystem
vue-router vuex vue-devtools vue-loader awesome-vue

https://vuejs-tips.github.io/cheatsheet/

VUE RESOURCE

- https://vuejs.org
- https://www.youtube.com/watch...
- https://github.com/vuejs/awesome-vue