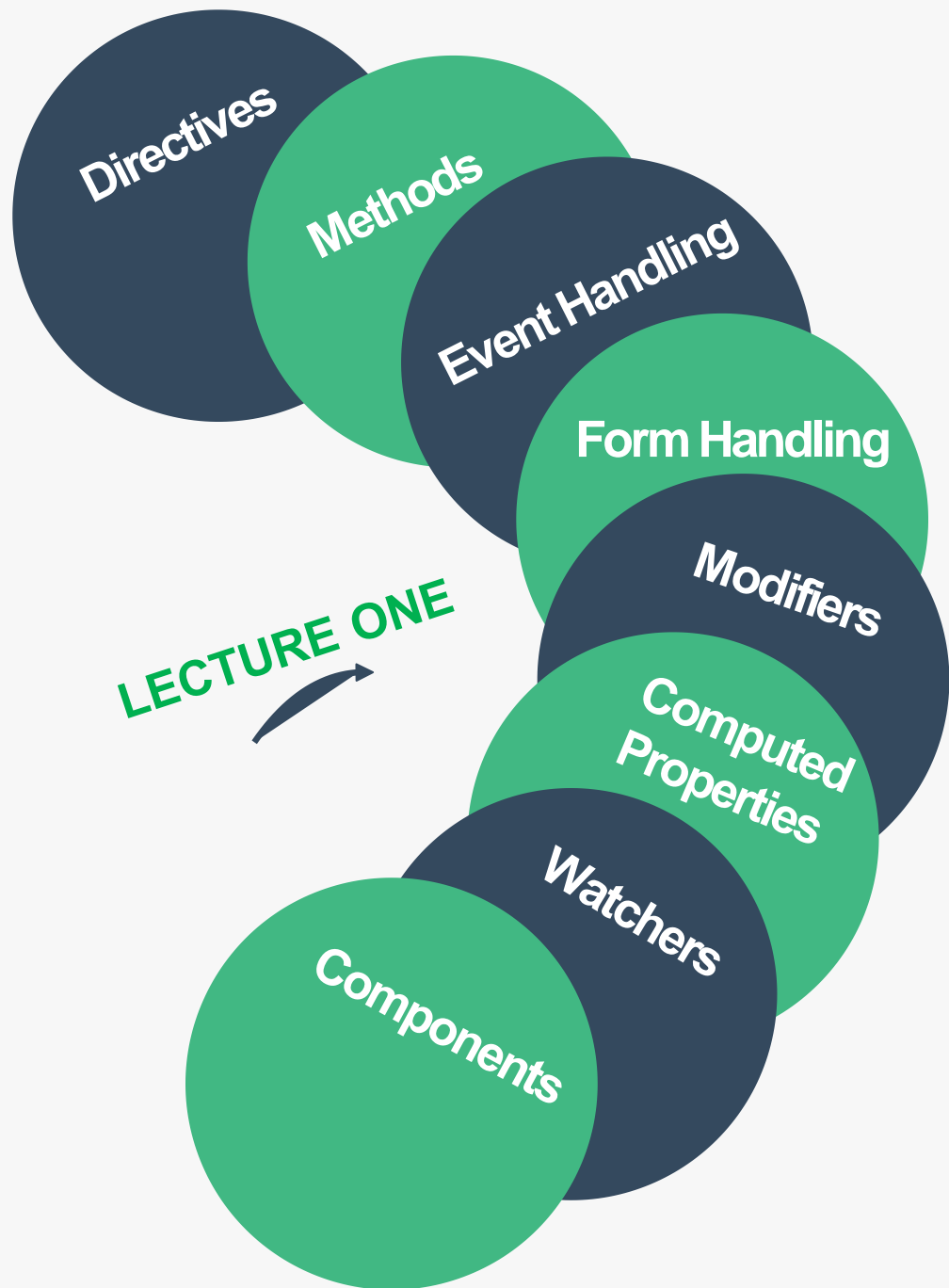


# VUEJS



Eng / Ryhab Farouq



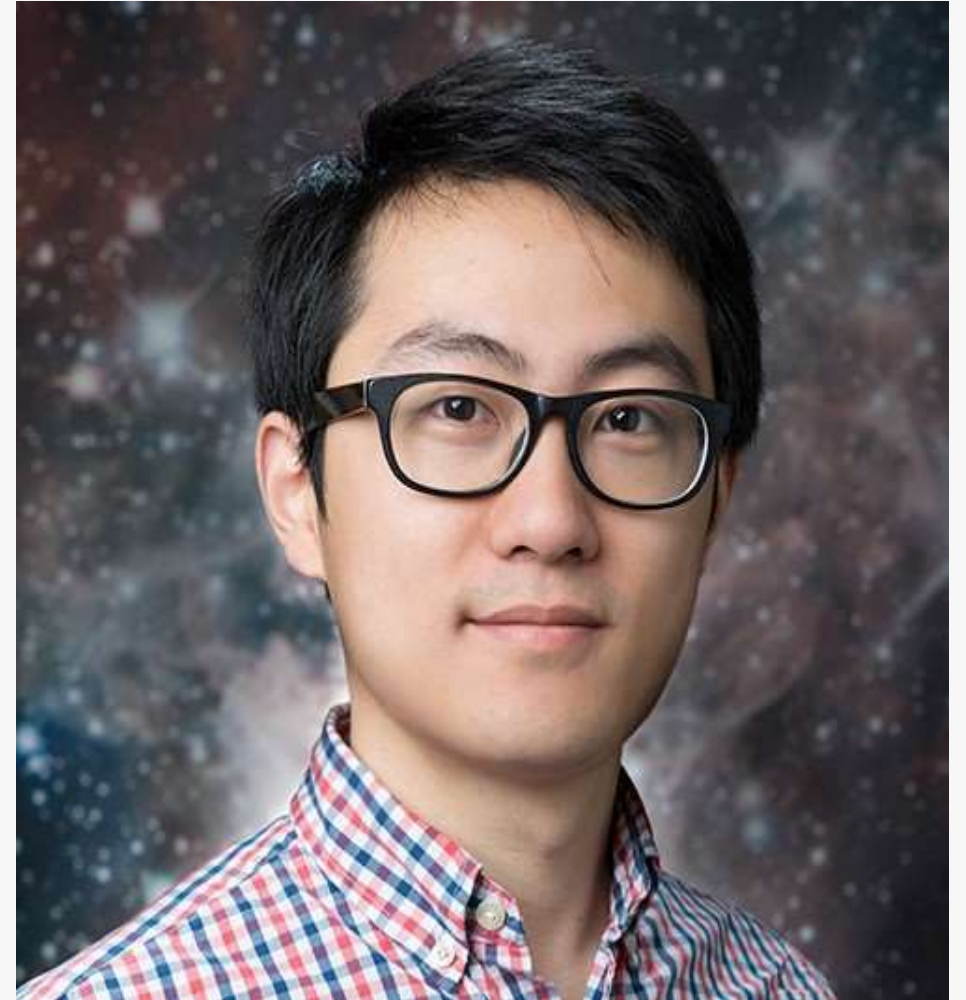


# FRONTEND FRAMEWORKS AND LIBRARIES



# HISTORY OF VUEJS

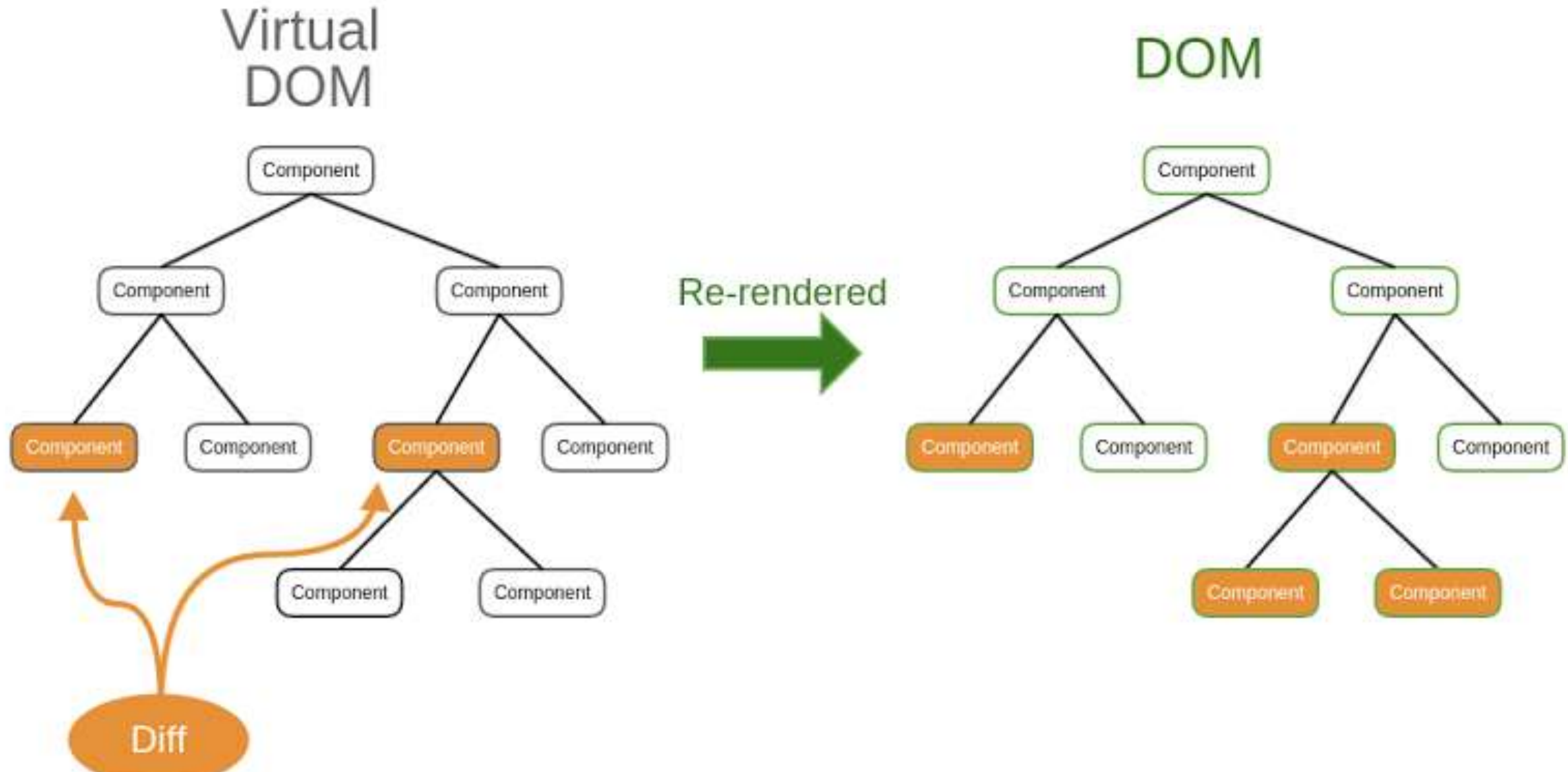
VueJs was created by Evan You. He worked at Google with AngularJS projects. He extracts the part that we really liked in AngularJs and builds something really lightweight. The first source code was released in July 2013 and VueJs was released in February 2014.



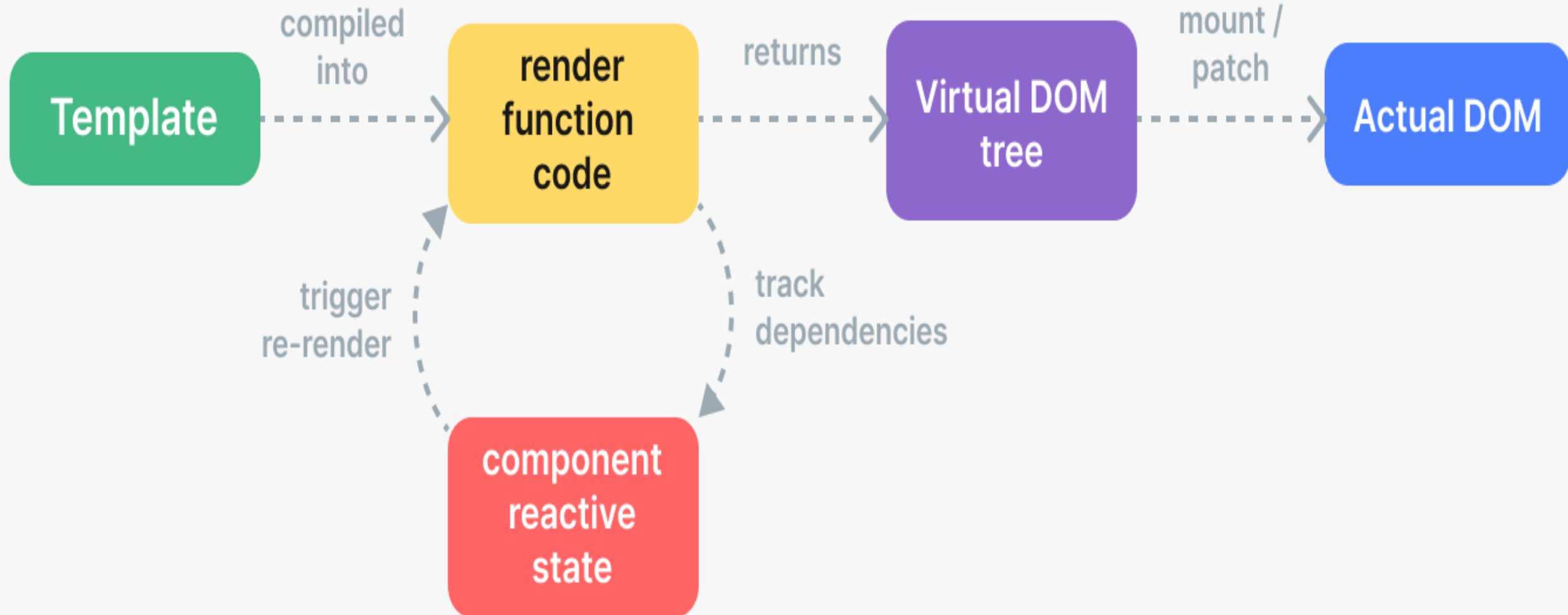
# WHY VUEJS ?

- Vue is approachable 🙌 Familiar with html , css and javascript
- Vue is versatile 🙌 Create powerful single page applications
- Vue is performance 🙌 Measures just 20KB minified and gzipped at runtime

# VUEJS AND VIRTUAL DOM



# RENDERING MECHANISM



# INSTALLATION

CDN



```
<script src=http://unpkg.com/vue@next></script>
```

NPM



```
npm install vue@next
```

CLI



```
npm install -g @vue/cli  
Vue create <project-name>
```



VITE



```
npm create vite@latest my-vue-app --template vue
```



# DIRECTIVES IN VUEJS

Special token in the markup that tells the library to do something to a DOM element .

- 👉 V-text
- 👉 V-html
- 👉 V-bind
- 👉 V-once
- 👉 V-pre
- 👉 V-if    V-else-if    V-else
- 👉 V-show
- 👉 V-for
- 👉 V-model

# MODIFIERS IN VUEJS

A suffix you can add to either the v-on directive or the v-model directive to add some functionality inline within the template .



.trim



.number



.lazy



.prevent

# METHODS VS COMPUTED PROPERTIES

Methods	Computed Properties
Functions that are meant to be called	Intended to compute existing data
Can have parameters passed in	Shouldn't have parameters passed in
Re-evaluated every time they're called	Cached based on their dependencies
Not meant to be a property	Should be used as a property

# COMPUTED PROPERTIES VS WATCHERS



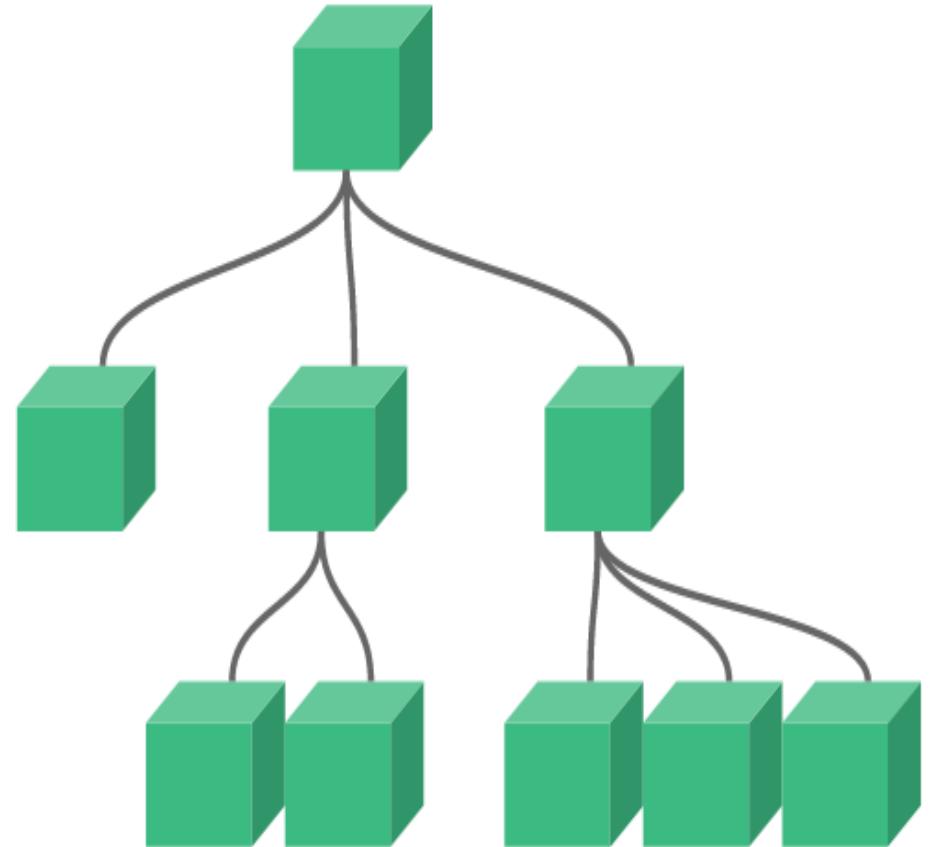
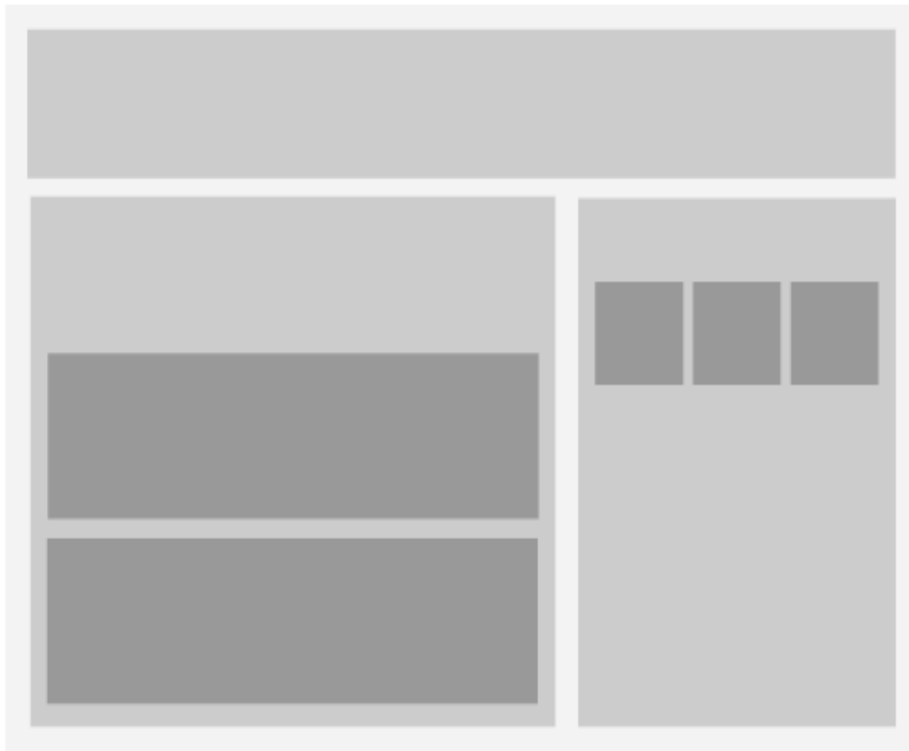
Use Computed Properties

👉 When you need to reduce the length of a variable

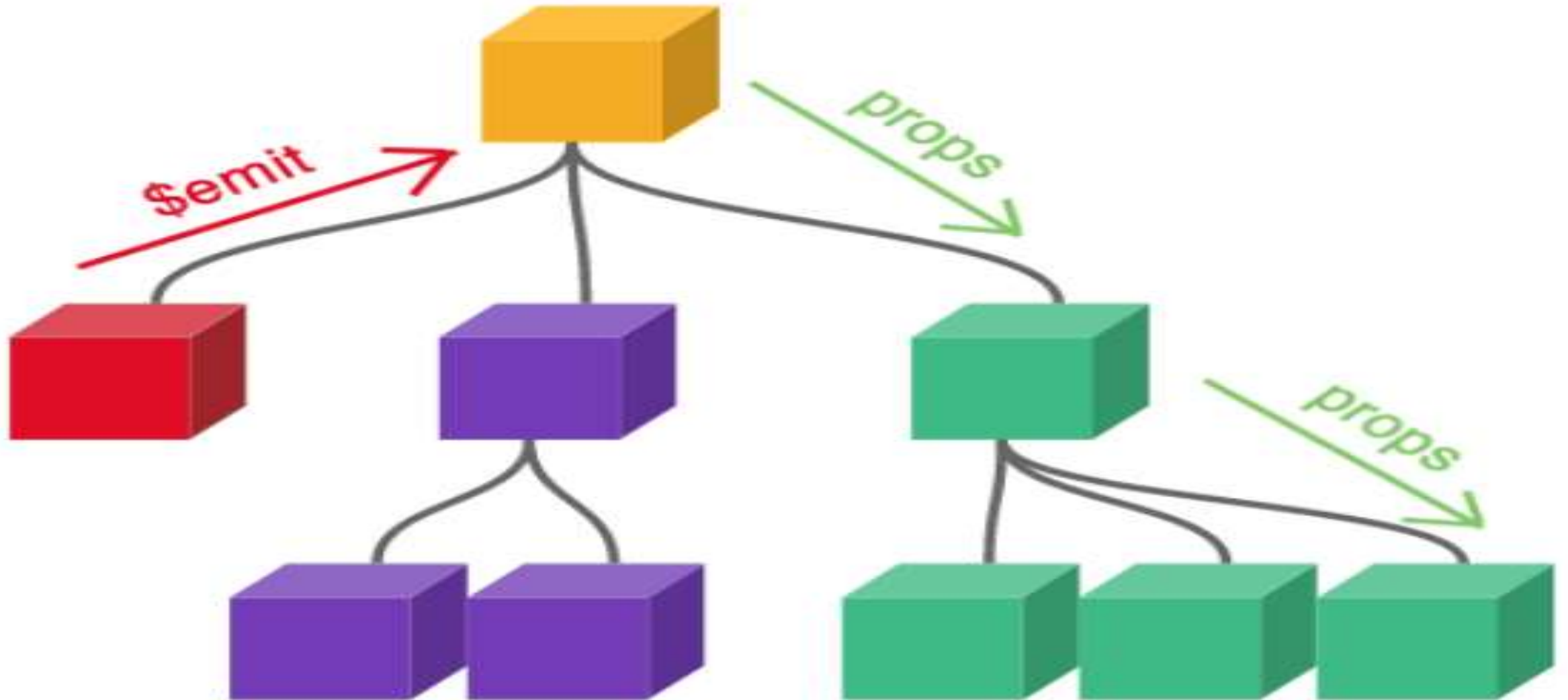
Use Watchers

👉 You have to check if a property has changed to a favorable value to know if you're ready to perform an action

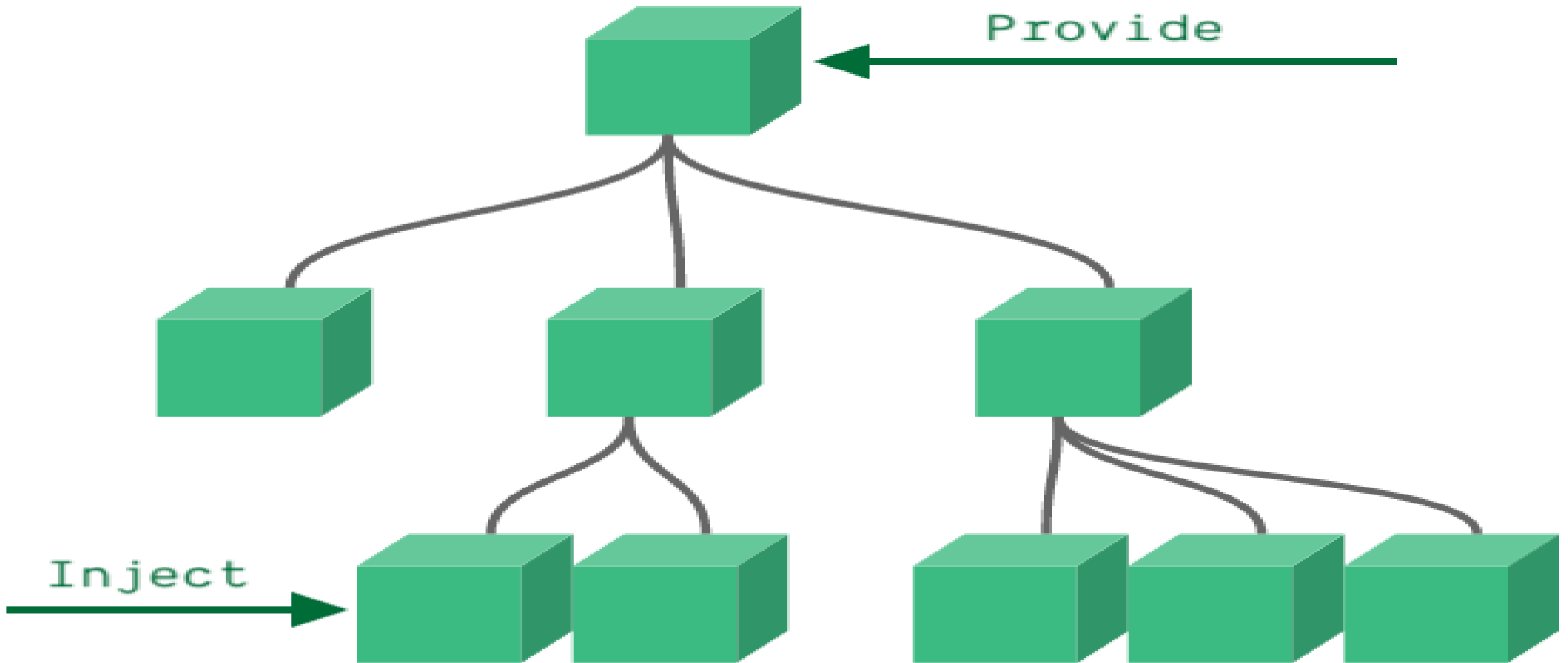
# COMPONENTS IN VUEJS



# PASSING DATA FROM PARENT TO DIRECT CHILD



# PASSING DATA FROM PARENT TO INDIRECT CHILD




# TASK

- Create a form to take data of users and admins in parent component
- Display the data from child components related to whether the role is user or admin
- Emit delete event from child components to parent to delete user or admin
- **Bonus** 🖱️ enable user to change the theme color



# REPORT

- Immediate and deep in watchers
- Component instances in vuejs
- Event Modifiers  stop , self , capture , passive

# EXTENSIONS

- Vue VSCode Snippets ‘sarah.drasner’
- Vetur