

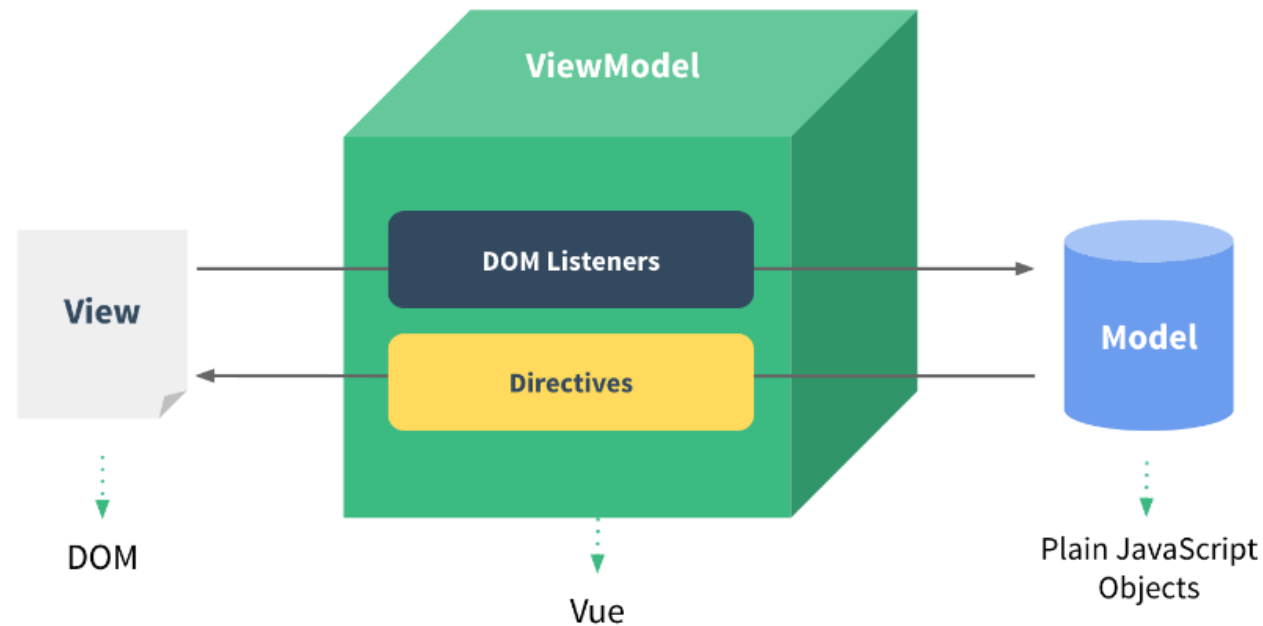
Vue.js

Presentation

Rashid Waheed

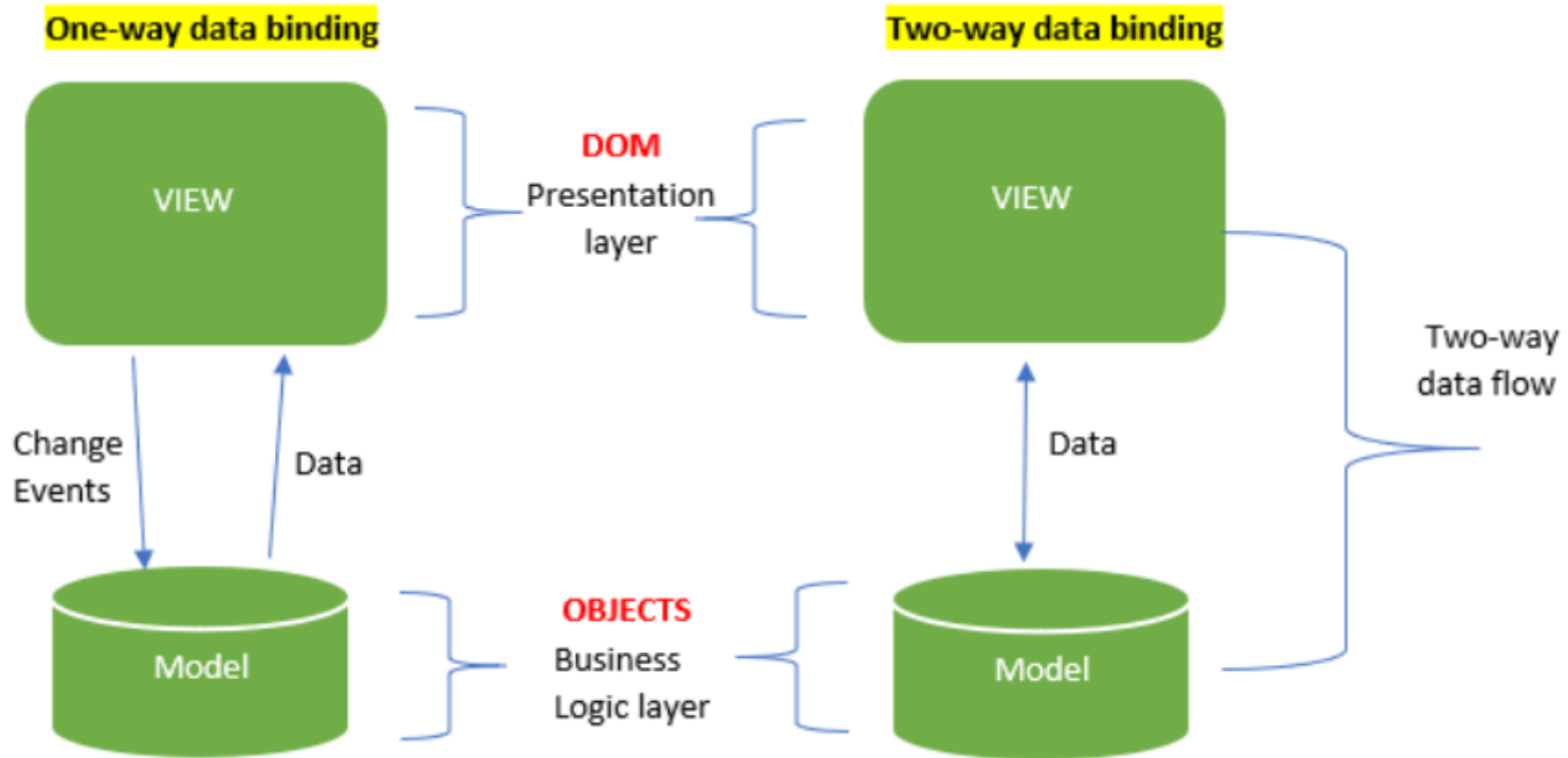


Vue is a Javascript framework, that was released in 2014 and developed by Evan You. The framework is used to build single page applications using templates and components. Vue.js is associated with the MVVM (Model-View-ViewModel) architecture pattern.



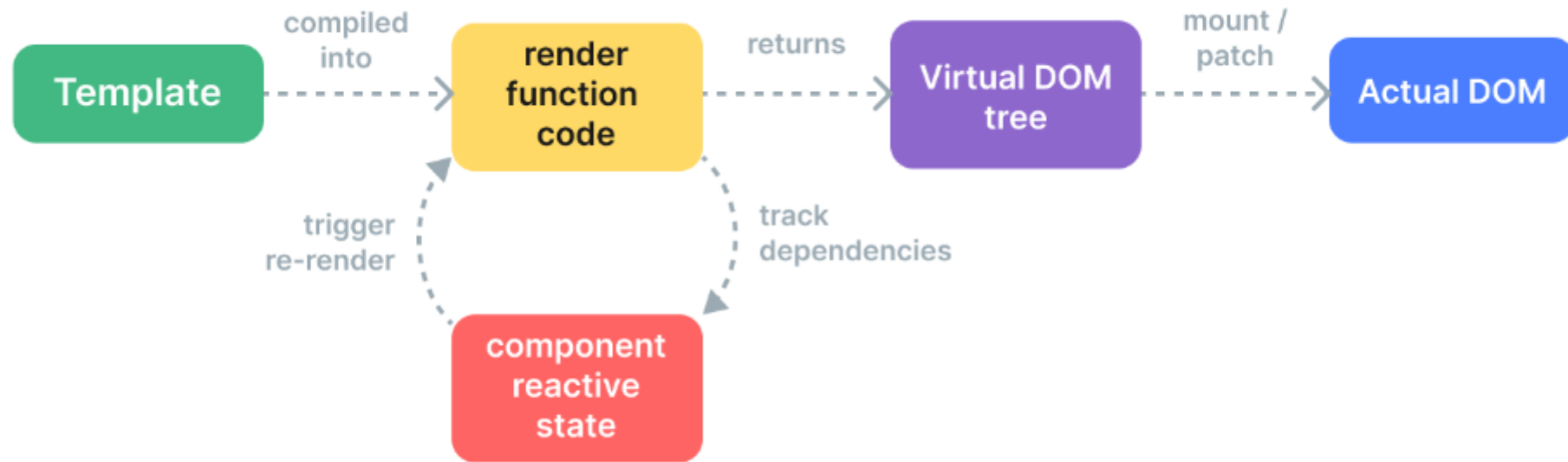
MVVM image from Vue.js website

Illustration depicting the two way data binding of Vue.js framework



Difference between one-way data binding and two way data binding from (Chauvelinmariedelcasse 2023).

Representation of Virtual DOM in Vue.js framework



Virtual DOM illustration from Vue.js website

Reactivity in Vue.js framework

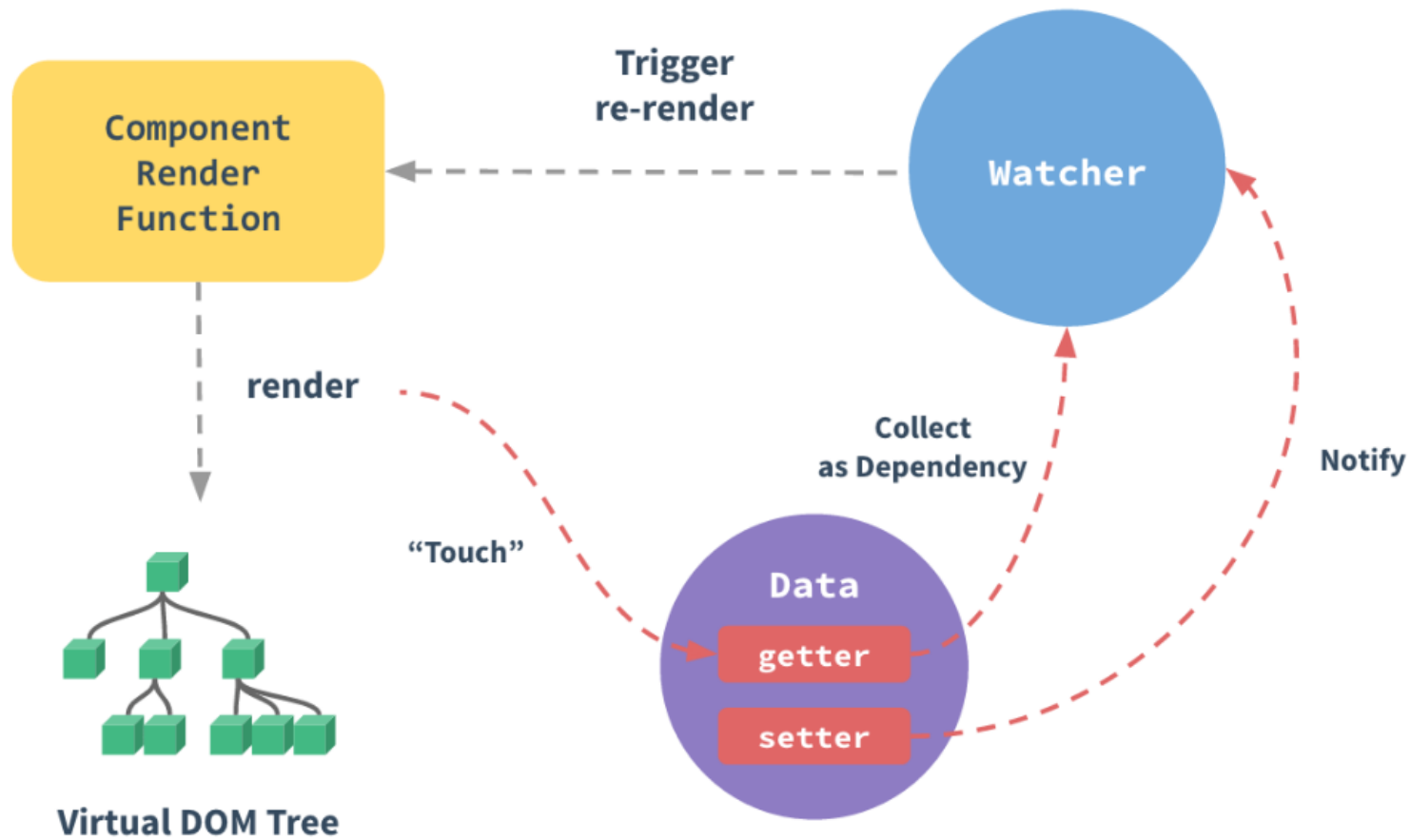
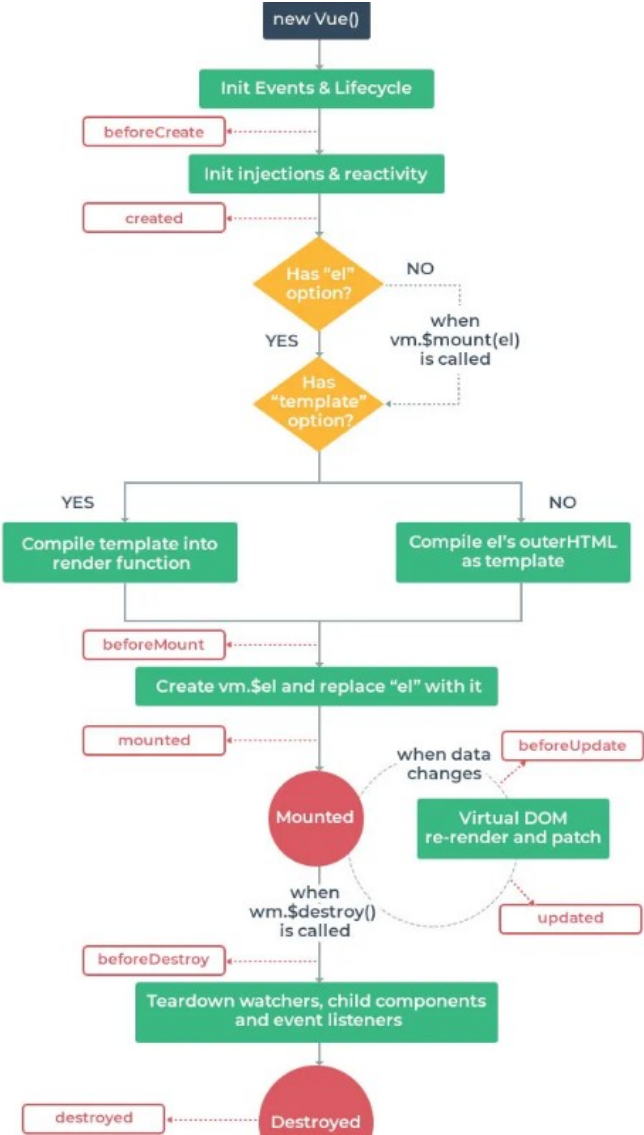


illustration of Reactivity in Vue from Vue.js website

Vue.js lifecycle Hooks illustration form (Joshi 2020)



Vue.js vs React

“I think, in terms of all the frameworks out there, Vue is probably the most similar to [React](#), but on a broader sense, among all the frameworks, the term that I coined myself is a progressive framework. The idea is that Vue is made up of this core which is just data binding and components, similar to React. It solves a very focused, limited set of problems. Compared to React, Vue puts a bit more focus on approachability. Making sure people who know basics such as: HTML, JavaScript, and CSS can pick it up as fast as possible.” as quoted by Evan You in (Cromwell 2017)



Evan You
@youyuxi

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For those looking for a mention of Vite: it's hidden inside the expanded details under "Can I use React without a Framework?"

It seems the React team really don't want you to use React without a framework anymore.

References

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