TFV2020 VueJS Notes

I’m calling this “notes” as I should have started it ten hours ago...

This will hopefully become a slideshow at some point!

Vue.js in Tiki

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**Welcome**

- Apologies in advance, this is a slideshow without any animated gifs...

Except this one

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**What is Vue.js and why should it be in Tiki?**

- What is a **JavaScript Framework**?
  - jQuery (and MooTools etc) are JavaScript libraries, a framework does more than that, and generally provides a framework to create a whole application. We have had Zend Framework in Tiki for many years but only use a few parts of it.

- And which one would be best for Tiki (as discussed at [TikiFestMacau2019](#))
  - **Angular**
    - Led by Google, was the first one, very mature but not really applicable to bolt on to an existing project
  - **React**
    - Arrived later and is maintained by Facebook
    - Has some limits I forget what now...
  - **Vue.js**
    - [https://en.wikipedia.org/wiki/Vue.js](https://en.wikipedia.org/wiki/Vue.js)
    - Open Source & independent
    - Created by [Evan You](#)
    - Better suited to being added on to an existing project such as Tiki

So we picked Vue!

- Two videos worth watching for a proper introduction:
  - Why Vue.js video on [https://vuejs.org/](https://vuejs.org/) summarises the above
  - Origins of Vue [https://youtu.be/OrxmtDw4pVI](https://youtu.be/OrxmtDw4pVI) *(as Guill emailed a while back, thanks)*

**Vue.js Components**

- There are lots of ready-made components - see [Awesome Vue](#) etc
- `ui-predicate` seemed just right for Tracker Rules?
How to add it to Tiki?

- My JavaScript was (at least) 10 years out of date
  - So lots of learning of new things in JS i had been doing with jQuery for ages, such as `forEach` and arrow functions
- node.js / npm compiled/built JavaScript
  - Have to admit I've not got on well with that
- Tiki needs static files
  - A possible solution in single file components?
- Todo list demo [here](#) was encouraging

Fragile (kludge?) Solution for Tracker Rules

- So the plan was to generate static “single file component” style js files in temp/public
  - I started with a wiki plugin of course [wikiplugin_vue.php](#)
  - Which is a wrapper for a smarty object [block.vue.php](#)
  - Then a library [vuejslib.php](#) for all the machinery...
  - Which in turn allows you to write and then deploy Vue Components such as [TrackerRules.vue](#)
- It seems to work, so that might have to do? ?
  - I just feel I cheated somehow...

Where Next

- Duration field in 22.x
  - Victor and Andon created a gorgeous [duration picker](#) and mini-chronograph app
- So What's Next For Vue.js in Tiki?

Project Fluffy?

- (A.K.A. Gadgets)
  - This is the long standing idea to merge our plugins (which don't plug in) and modules (which aren't modules) and to have a common inherited Object Oriented system to manage them
  - Vue.js is surely perfect for the job, right?

Any Questions?

Can do some demos (hopefully)

Thanks all, you can get me at jonny@tiki.org or via [https://tiki.org/jonnybradley](https://tiki.org/jonnybradley)

(hey, someone broke my picture! 😢)