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

By jonny Bradley
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Welcome

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

Except this one

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
    • https://en.wikipedia.org/wiki/Angular_(web_framework)
    • Led by Google, was the first one, very mature but not really applicable to bolt on to an existing project
  ◦ React
    • https://en.wikipedia.org/wiki/React_(web_framework)
    • Arrived later and is maintained by Facebook
    • Has some limits i forget what now...
  ◦ 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/ summarises the above
  ◦ Origins of Vue 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

- 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 `@tiki.org">jonny@tiki.org` or via https://tiki.org/jonnybradley
(hey, someone broke my picture! 😞)