

# How to pick a software library

"Picking your team is 90 percent of the battle" — [Stewart R. Levine](#)

Tiki is the [FLOSS Web Application with the most built in features](#) and to do so in a sustainable way, it uses over 100 software libraries and [avoids duplication](#). This permits more and better functionality, while limiting the [complexity](#) and the quantity of work (technical debt). Please see [Composer](#).

Given that

- Tiki avoids duplication to avoid <http://pluginproblems.com/>
- We'll limit our potential if we don't pick the best option
- It's possible but painful to change later
- Picking and maintaining dependencies is a critical skill because [https://www.reddit.com/r/programming/comments/1z09jq/why\\_your\\_software\\_project\\_will\\_slowly\\_die\\_without/](https://www.reddit.com/r/programming/comments/1z09jq/why_your_software_project_will_slowly_die_without/)

it is very important to take the necessary time to analyze and decide on the right component to integrate.

## General steps

1. Scope the need in a wiki page on dev.tiki.org
2. Add some options with some pros and cons
3. Inform the [Dev Mailing List](#) of this process and invite anyone interested to participate
4. Complete a thorough analysis
  - This can include a proof of concept with one or more of the options
  - Make sure to identify which ones already work well with exiting code in Tiki, or [WikiSuite](#)
5. Inform the [Dev Mailing List](#) of the options
6. A community discussion ensues and a strategy is picked
7. Implement the solution
8. Be proud that the process was thorough and gave us the best possible chance of a smooth future for this functionality! 😊

## Some examples

### Past

- Around Tiki11: \* Bootstrap vs Foundation vs staying with Tiki way
- Back around Tiki 2.0: [CKEditor](#) vs TinyMCE
- [Slideshow framework stats comparison](#)
- [Datavis Convergence](#)

### Future

- [Embed](#)
- [Signature](#)

- A Screencasting / screen capture / video editor
- Font picker?
- Emoji picker?

## Related links

- <https://wikisuite.org/Component-criteria>