

Domain Driven Design & Nuxt

Using Nuxt Modules to structure large Nuxt Apps

Nuxt Nation 2021

Lightning Talk by Anton Reindl

September 15th 2021

About Me



Anton Reindl

Software Developer & Architect



areindl



Mindfuel

A Datapreneurship Studio.





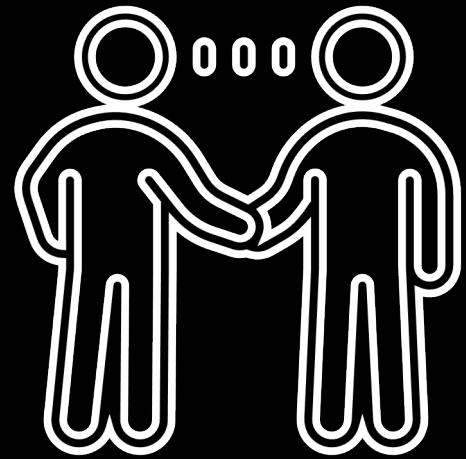
Slides & Demo



[areindl/nuxt-structure-with-modules](https://github.com/areindl/nuxt-structure-with-modules)



The Problem: Structure Large Apps and Sites



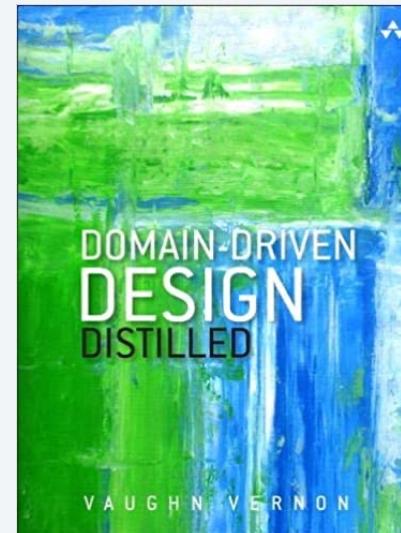
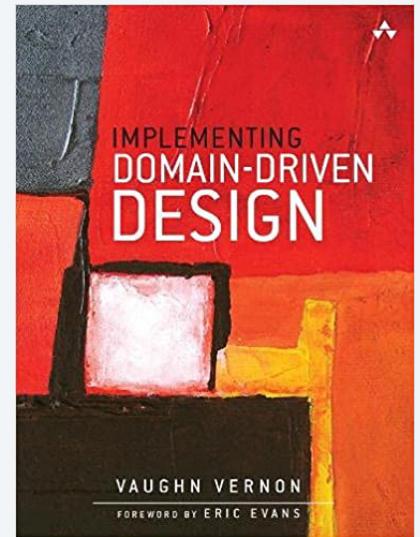
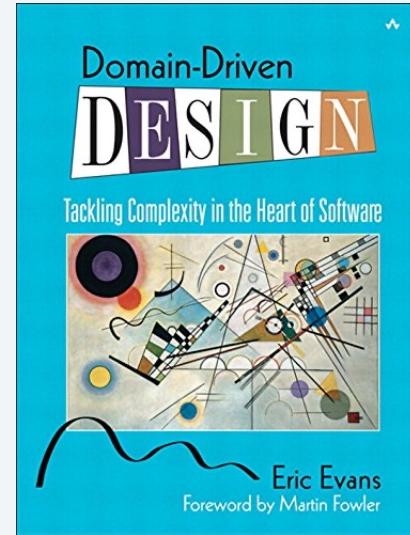
Domain-Driven Design

Recommended Readings

Initially introduced and made popular by programmer Eric Evans in his 2004 book

The screenshot shows a dark-themed web page from 'Vue School'. At the top, there's a navigation bar with links for 'Tutorials', 'Video Courses', and 'Vue.js Workshops'. Below the header, the main content area has a title 'Domain-Driven Design in Nuxt Apps' in bold white text. Underneath the title, it says 'Part 1 of 3 in our Modular Vue.js Applications series.' and 'Written by Filip Rakowski'. The main body of the post discusses the author's experimentation with Domain-Driven design in Vue apps, mentioning Vue Storefront and Vue Storefront Next. It highlights how utilizing this approach can lead to significant improvements in maintenance and complexity. At the bottom of the post, there are social sharing buttons for 'Tweet' and 'Facebook'.

Blog Post by Filip Rakowski



A (very) short introduction to DDD



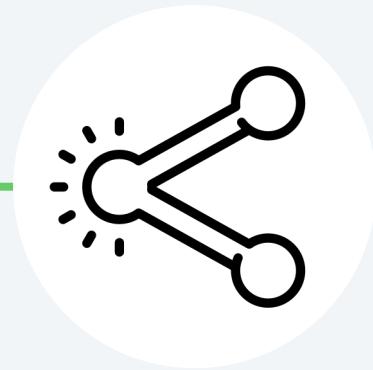
Domain Focus

- ✓ Goal: an approach to building software with a focus on the domain
- ✓ This requires a deep, shared understanding of the business („*Ubiquitous Language*“)



Toolset

- ✓ DDD assists in building software that solves a problem
- ✓ Independent of implementation
- ✓ Distinguishes different steps (e.g. strategic vs tactical design)

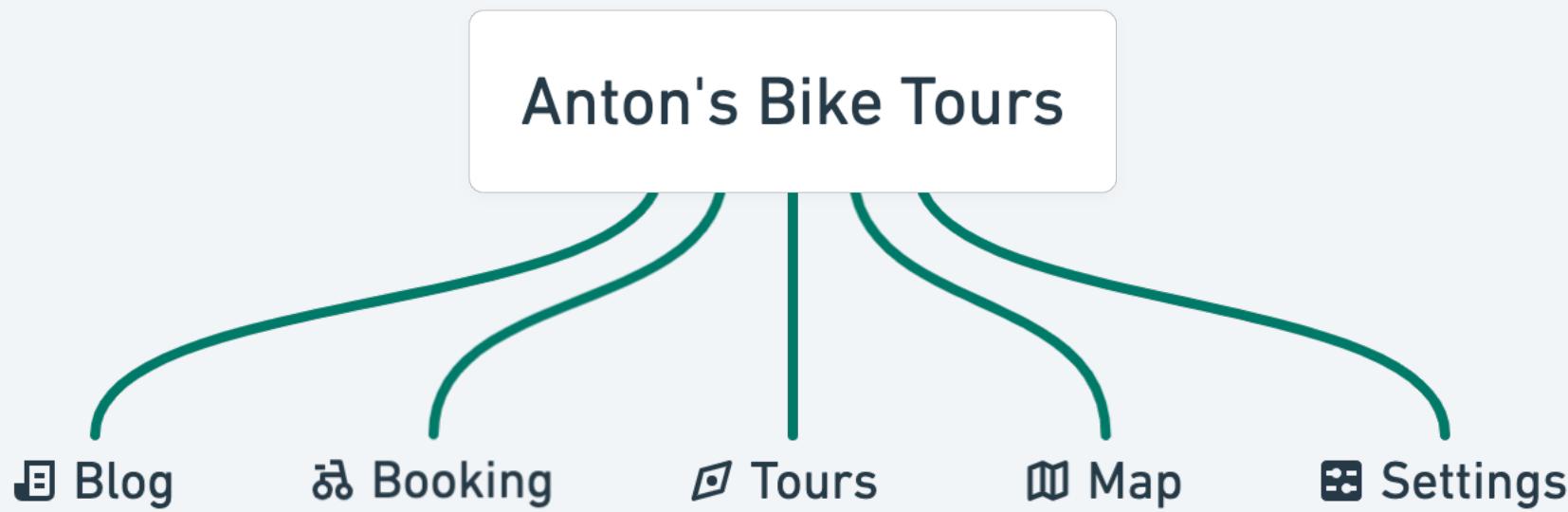


Bounded Contexts

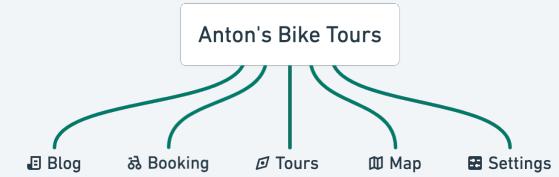
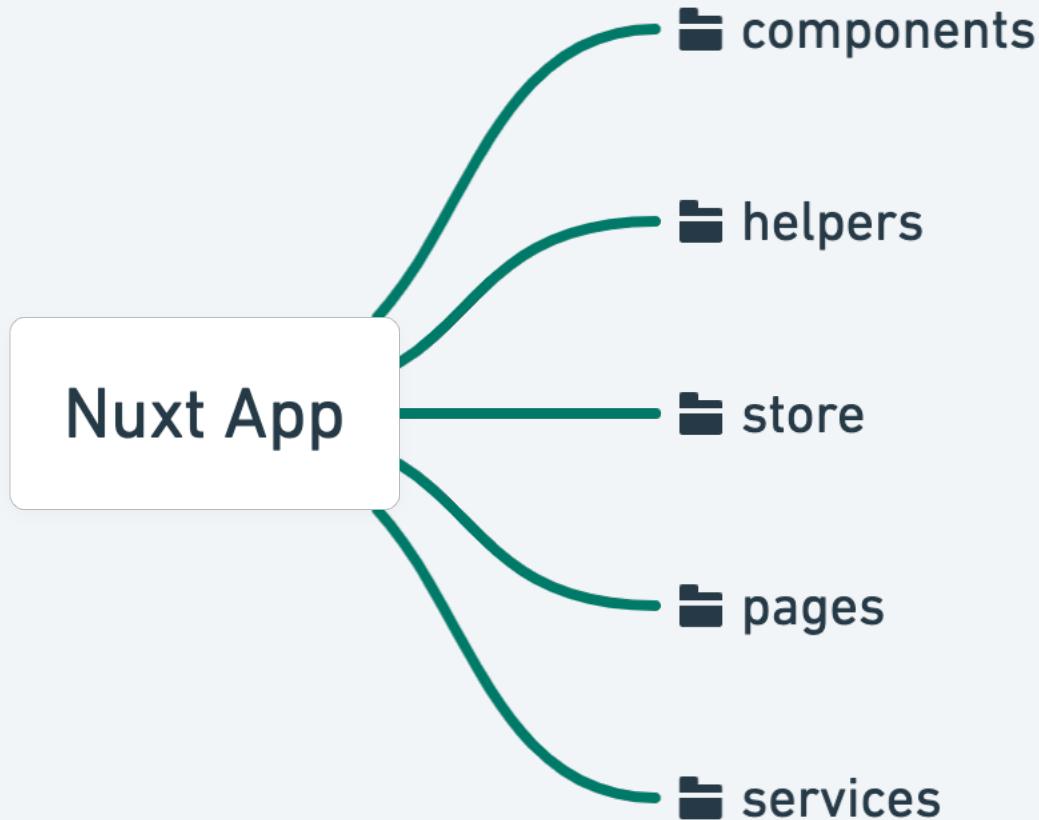
- ✓ Central pattern in Domain-Driven Design
- ✓ Large software cannot be build as a single unified model - it almost always consists of logically connected subparts
- ✓ Bounded Contexts can be modules – but they don't have to



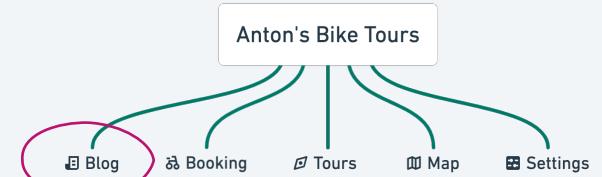
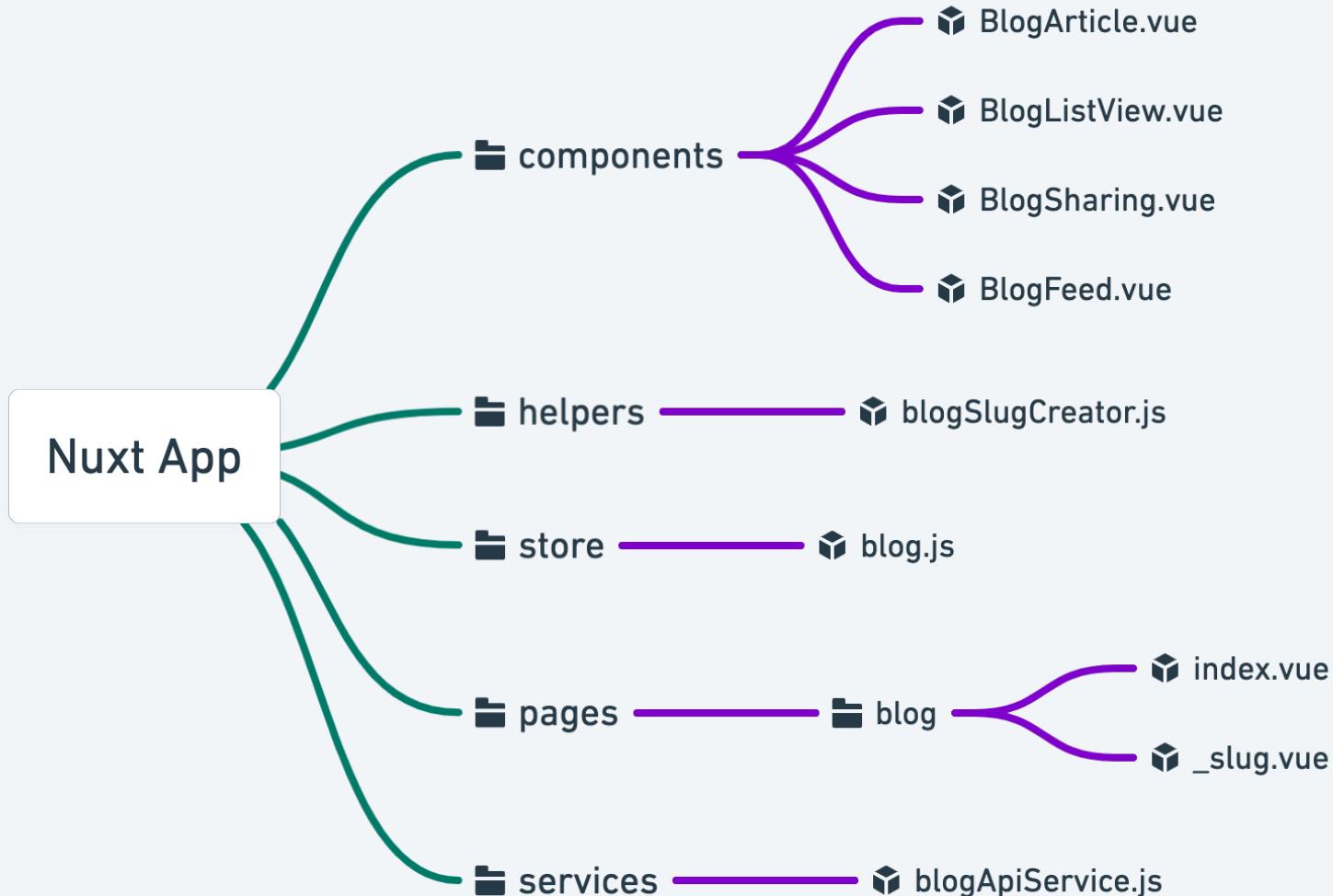
Ok! So let's build a Web-App!



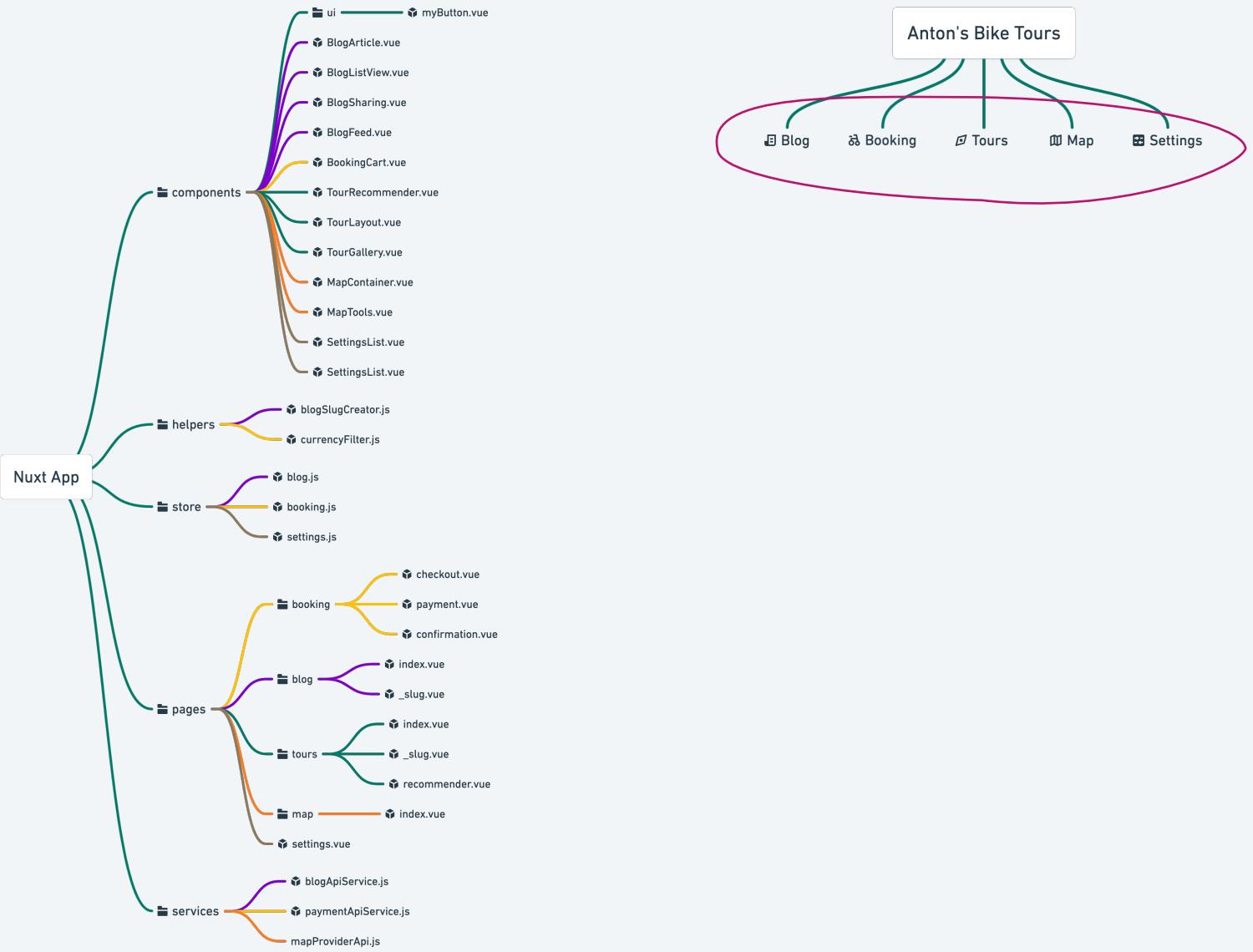
Empty Nuxt Project Structure



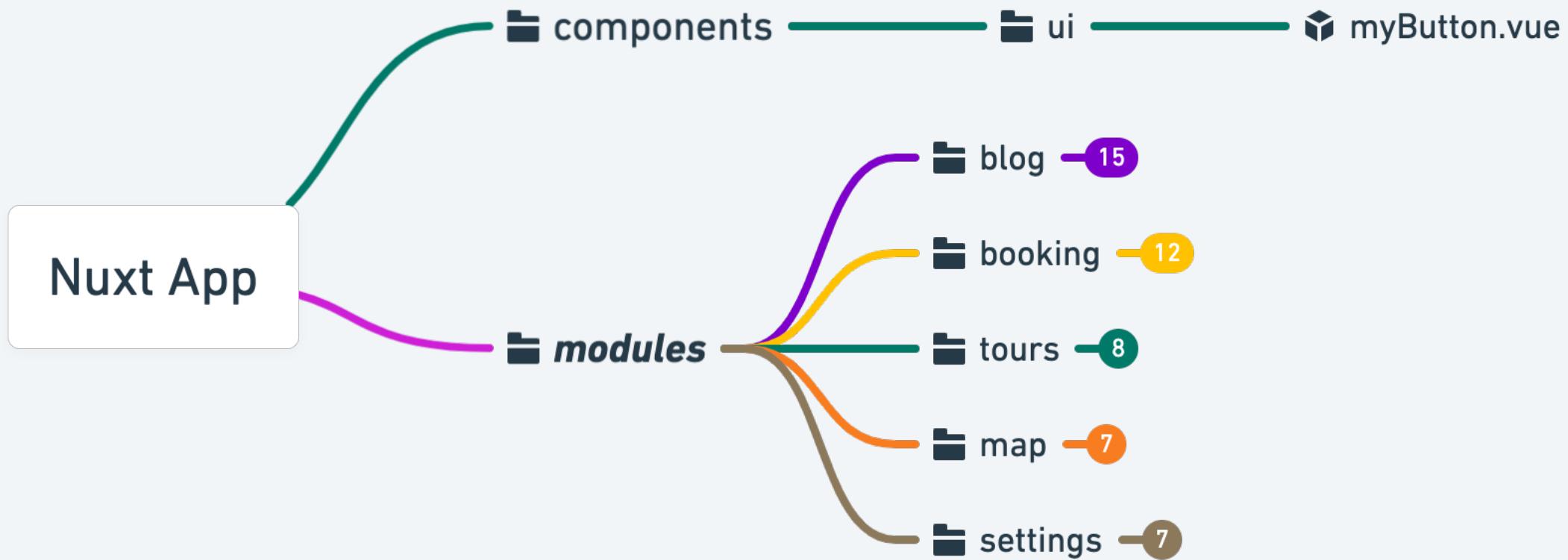
Adding the Blog Feature...



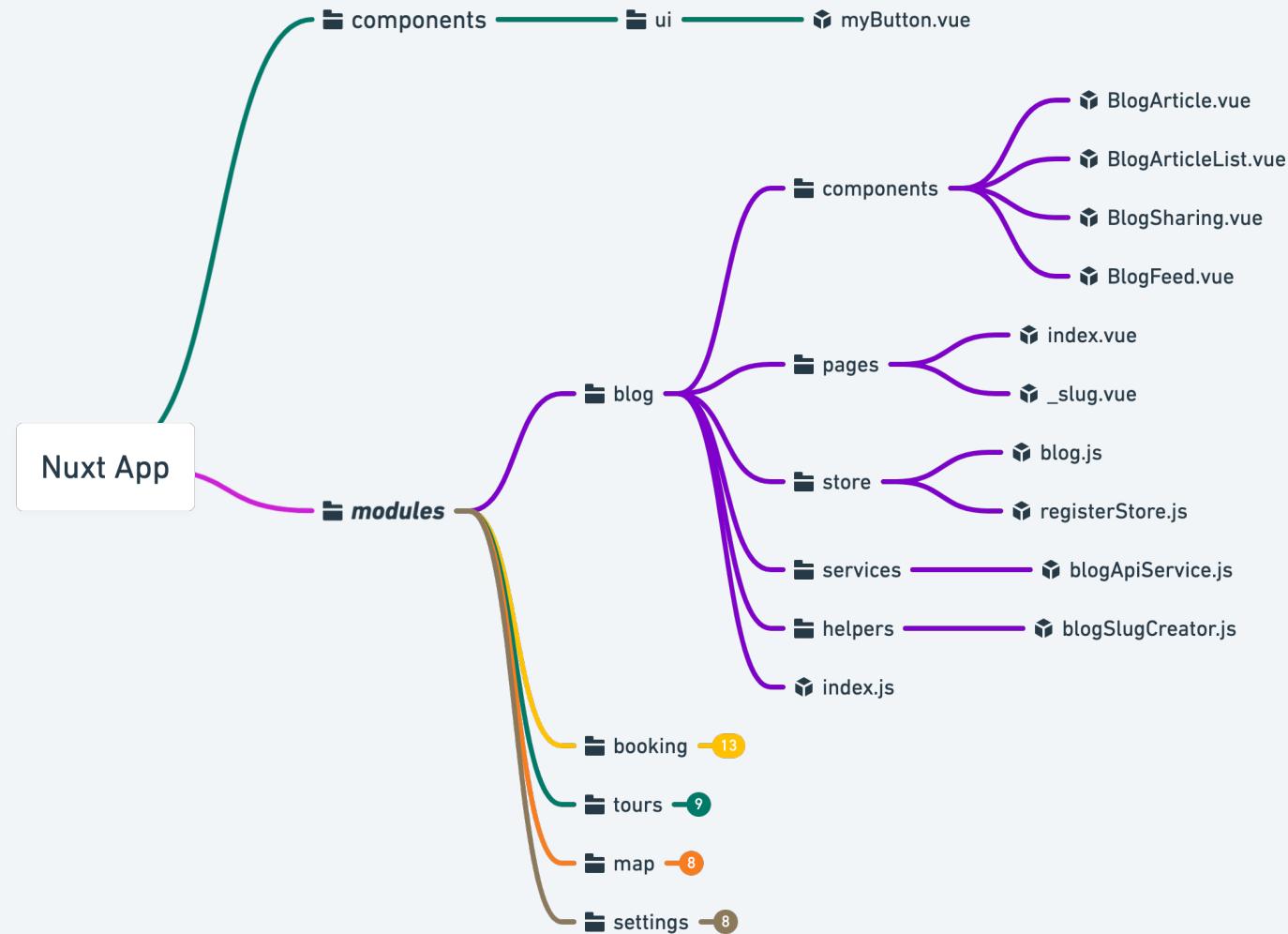
...and the rest

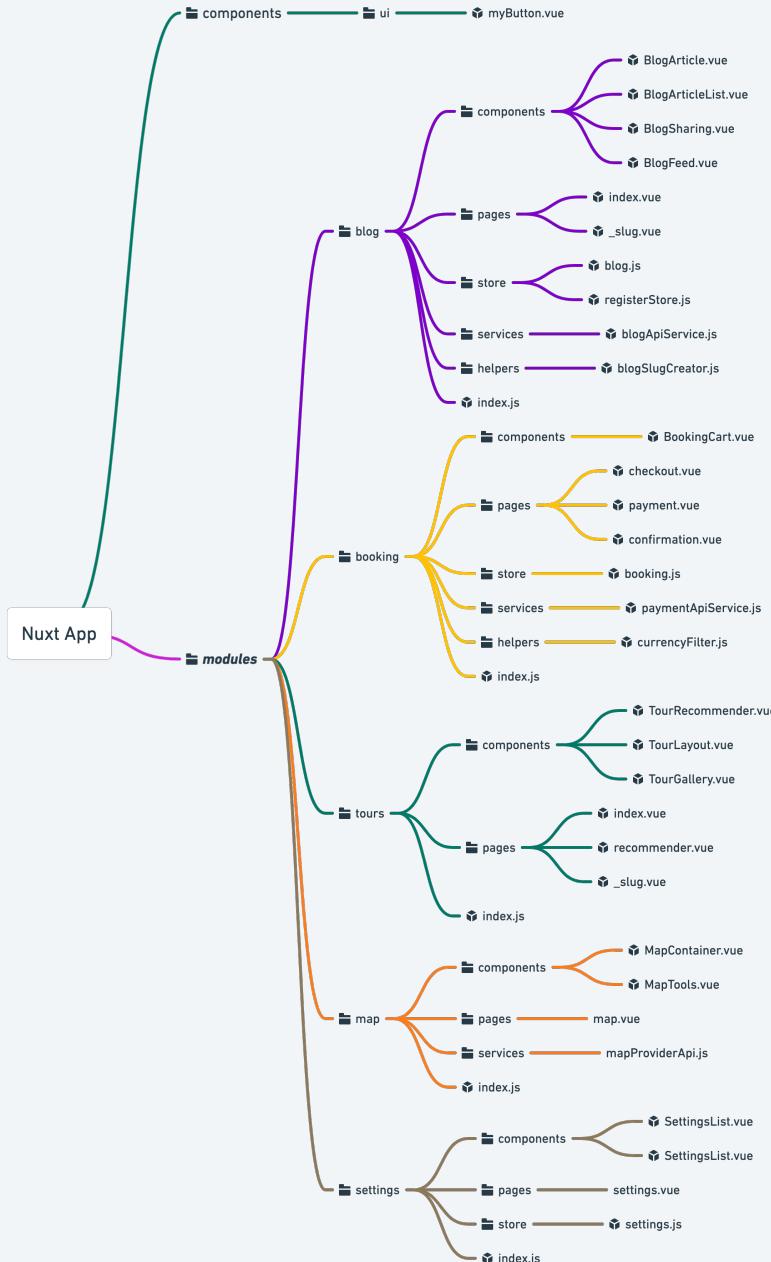


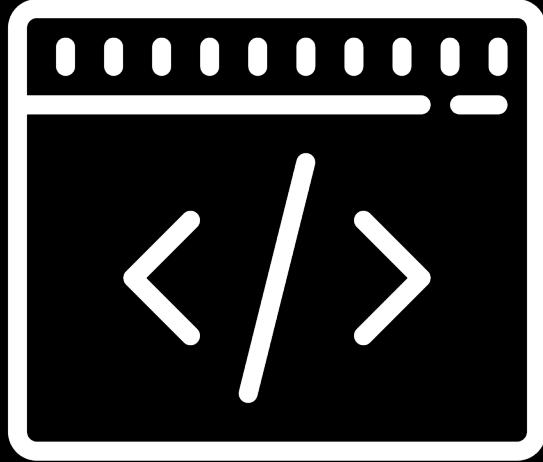
Building a modular structure



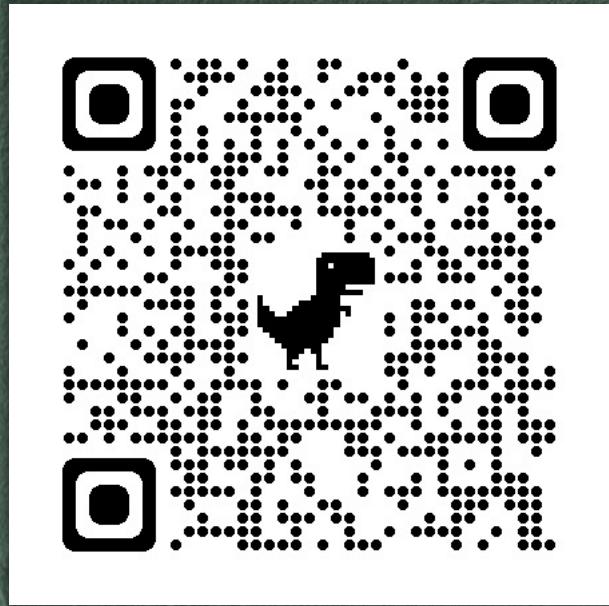
Building a modular structure







Live Demo



 anton@mindfuel.ai

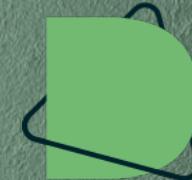
 areindl

 @afxreindl

Anton Reindl
Senior Developer & Architect

Thank
you!

MINDFUEL



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We hire
remote Devs!