

# **Domain Driven Design & Nuxt**

## **Using Nuxt Modules to structure large Nuxt Apps**

Nuxt Nation 2021

Lightning Talk by Anton Reindl

September 15<sup>th</sup> 2021

# About Me



**Anton Reindl**

Software Developer & Architect



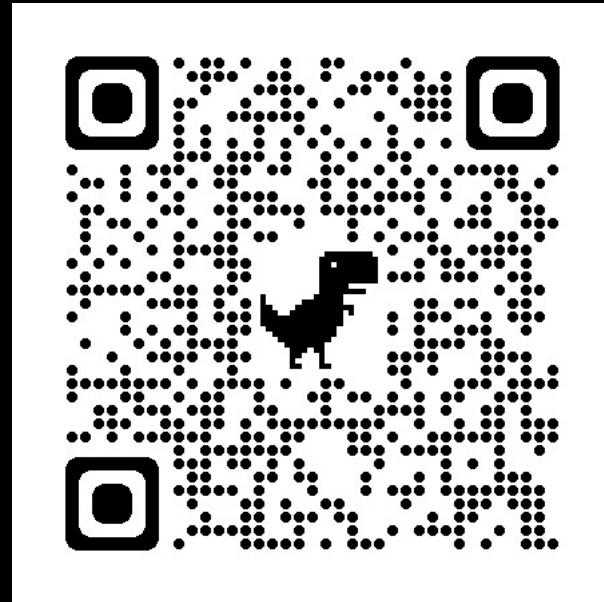
areindl



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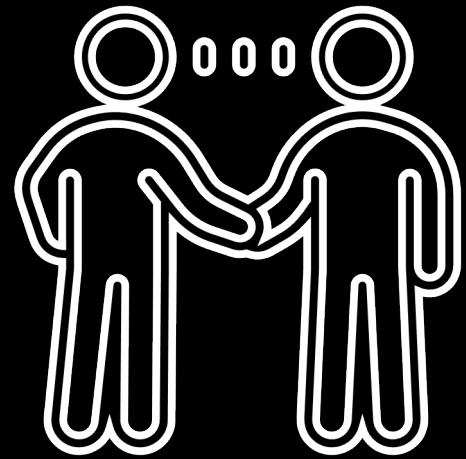
## Slides & Demo



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



## The Problem: Structure Large Apps and Sites



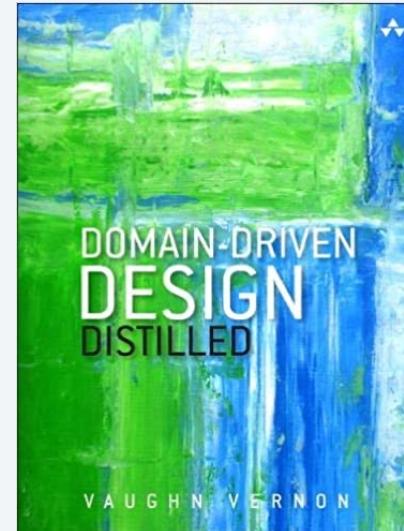
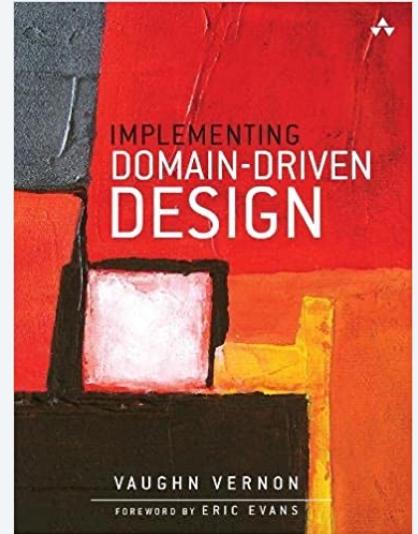
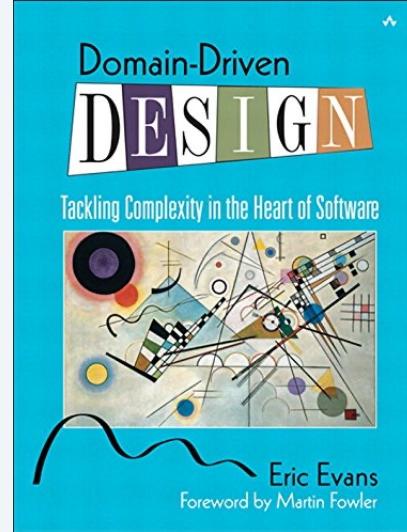
**Domain-Driven Design**

# 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



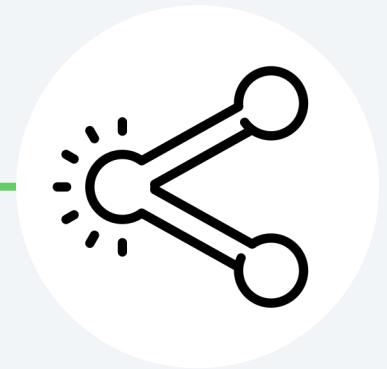
## Domain Focus

- ✓ 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)

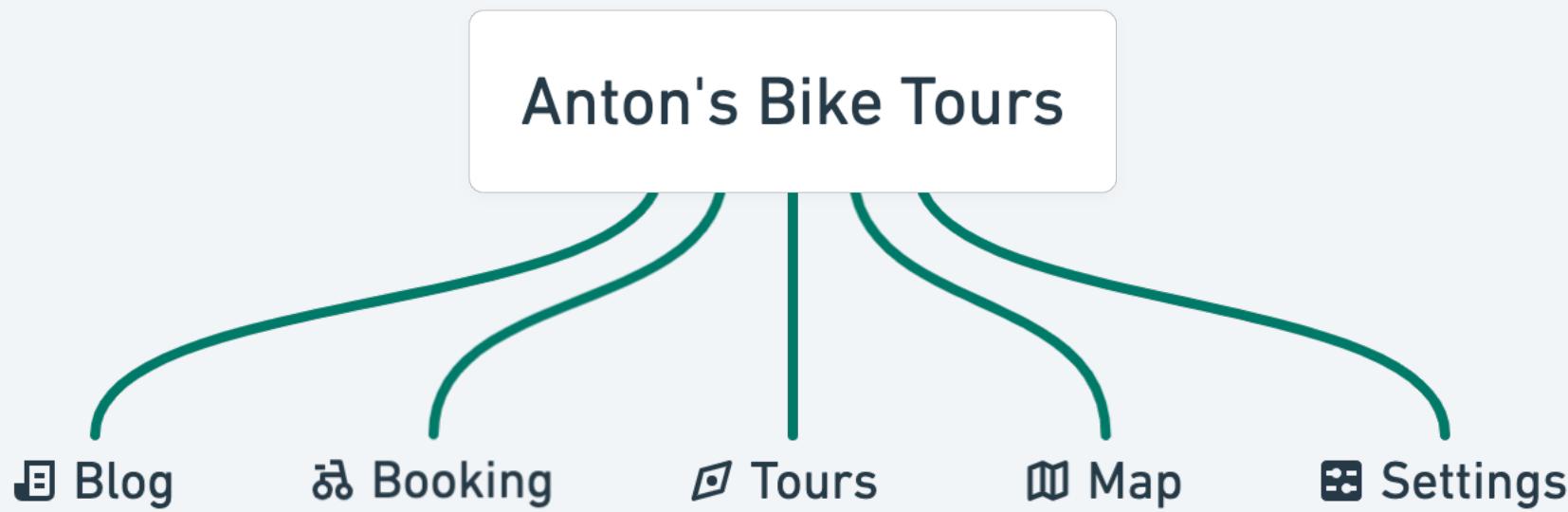


## Bounded Contexts

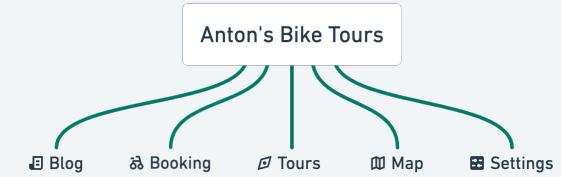
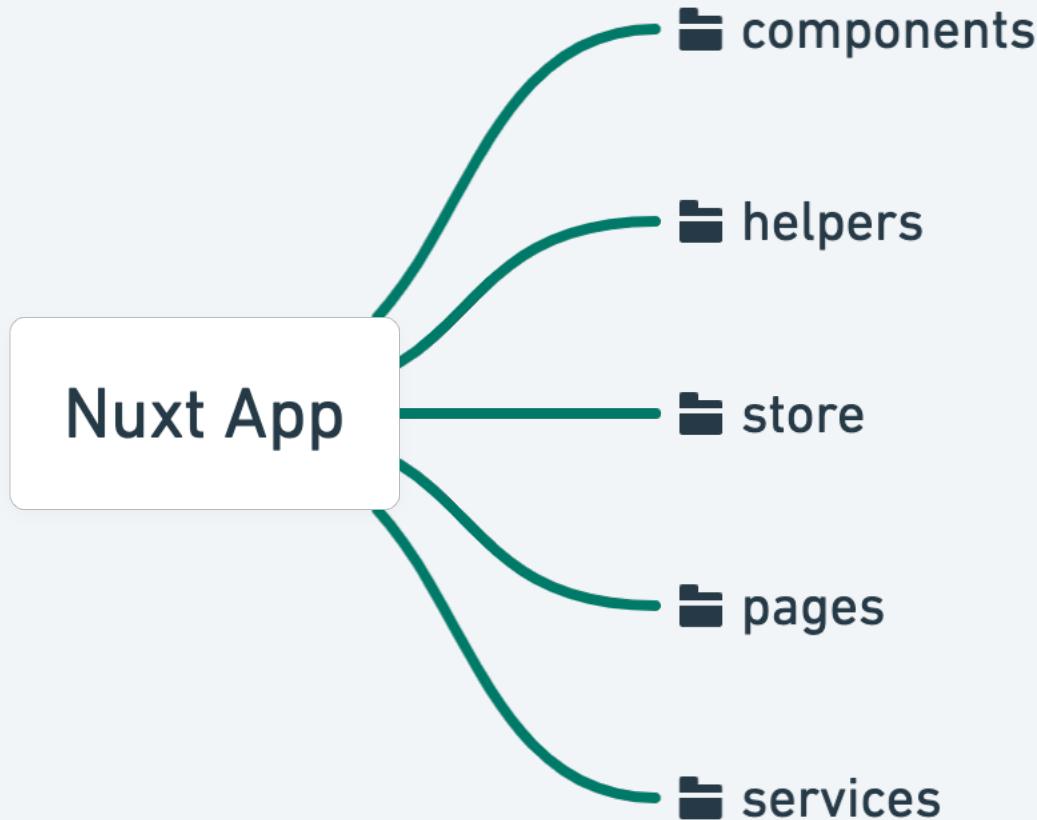
- ✓ Central pattern in Domain-Driven Design
- ✓ Large software cannot be build as a single unified model - it almost always consists of logically connected subparts
- ✓ Bounded Contexts can be modules – but they don't have to



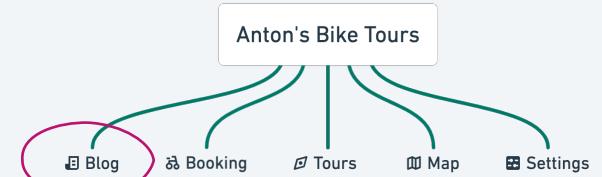
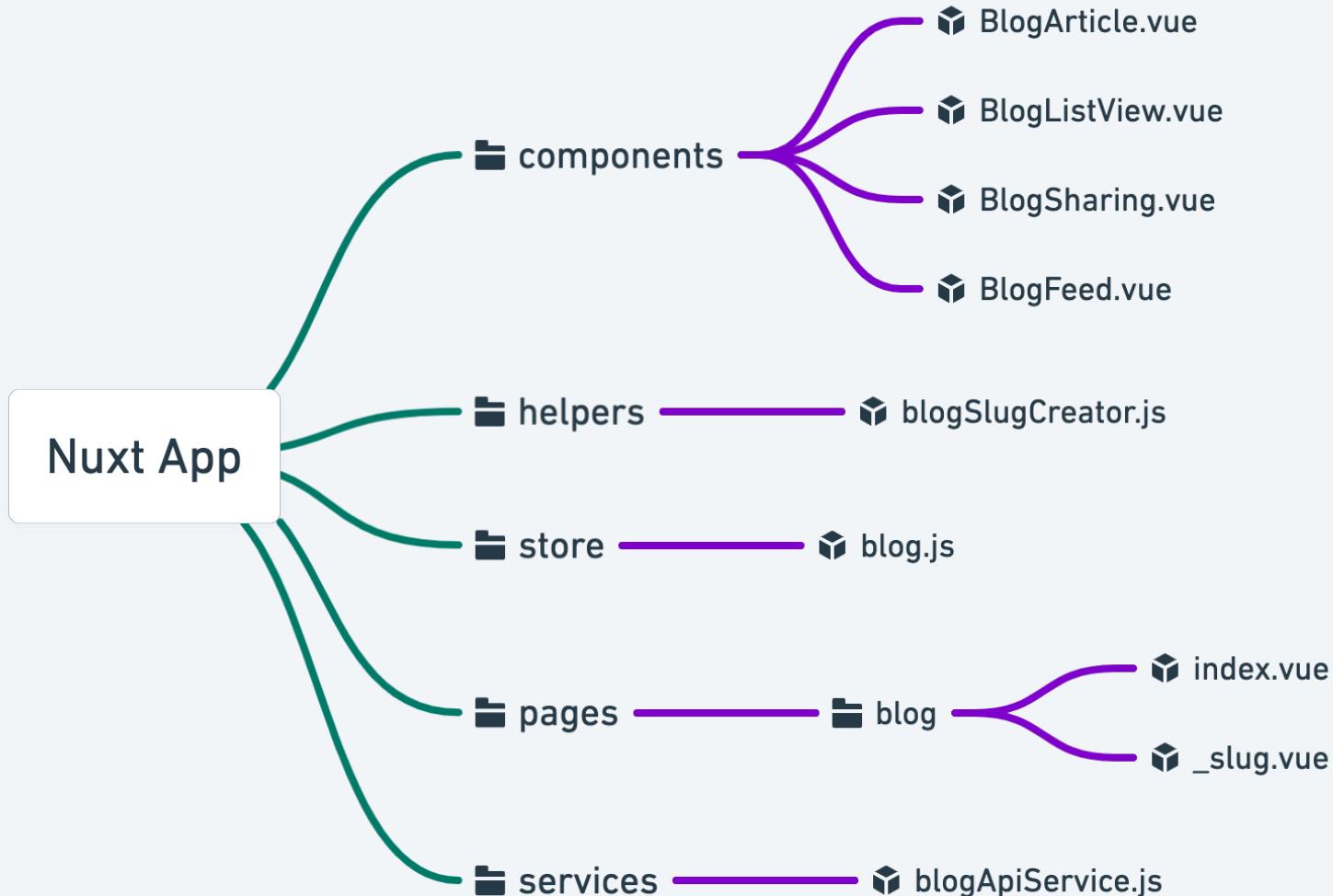
# Ok! So let's build a Web-App!



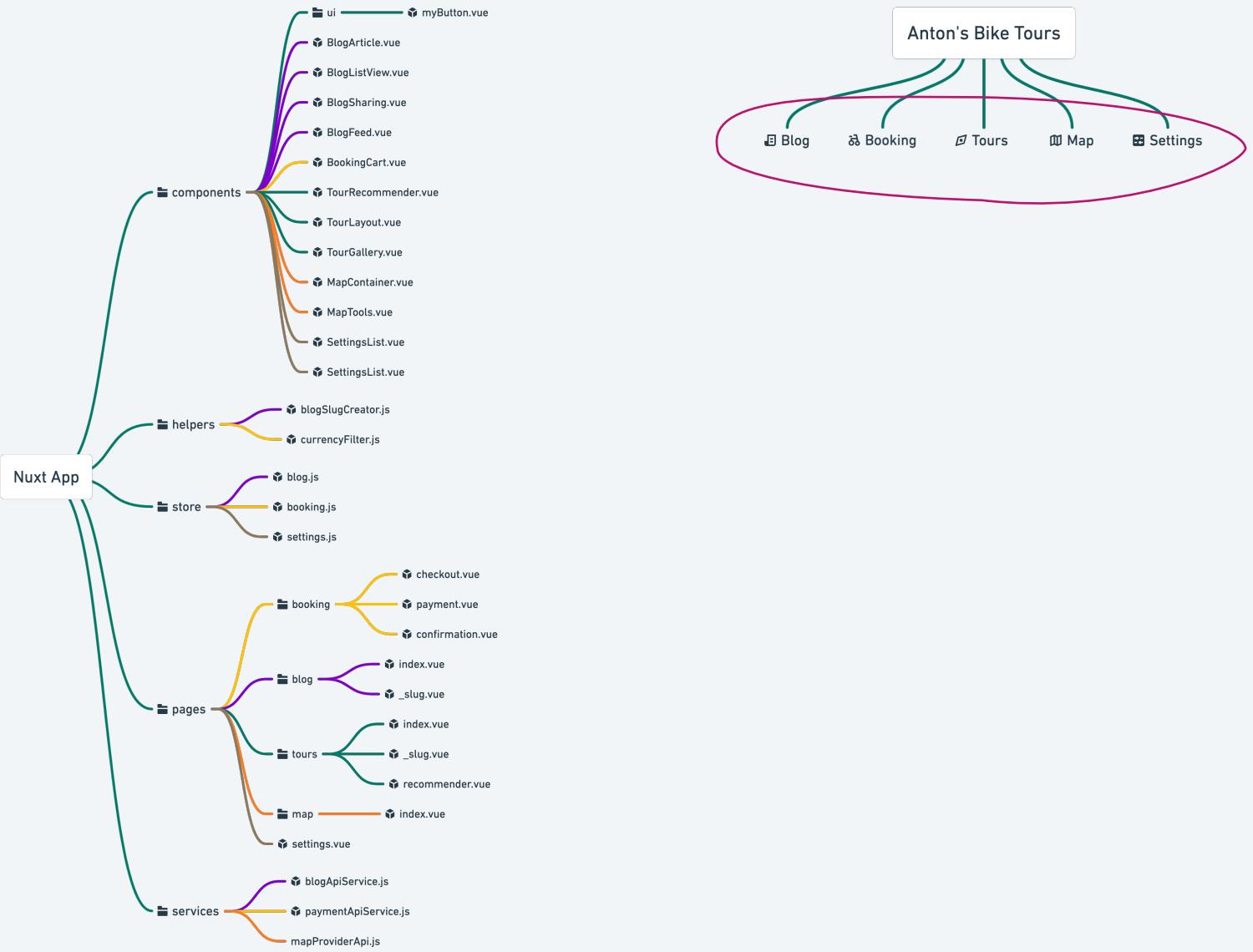
# Empty Nuxt Project Structure



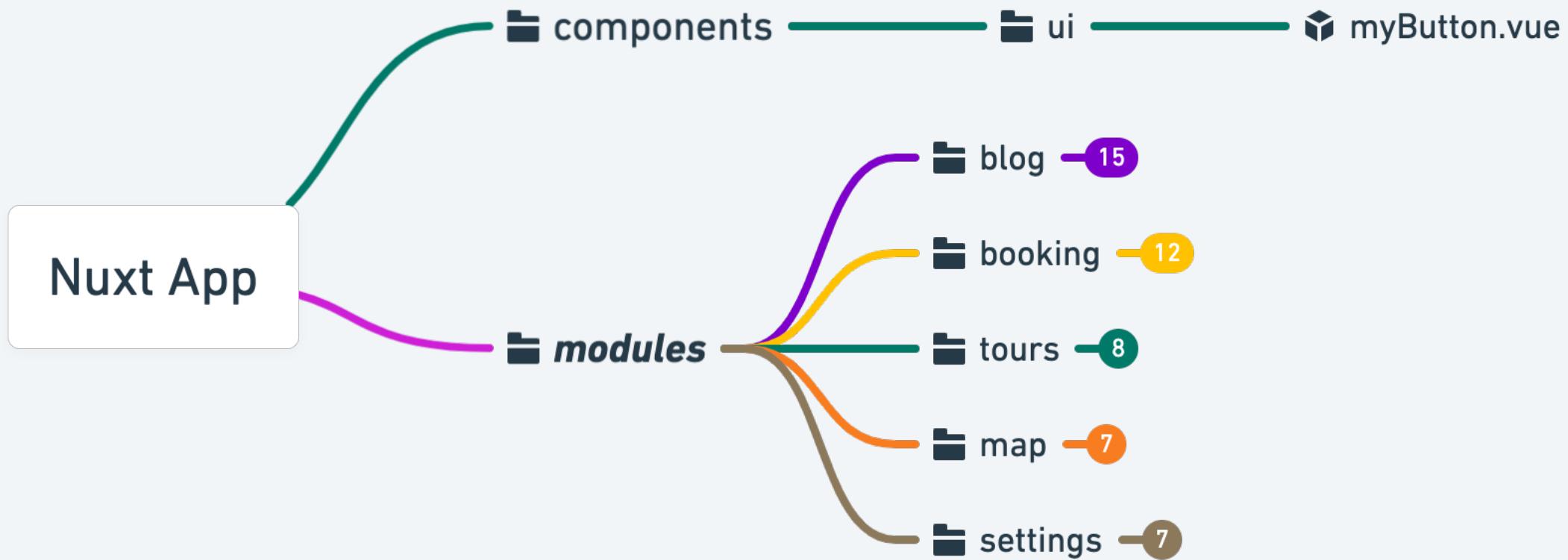
# Adding the Blog Feature...



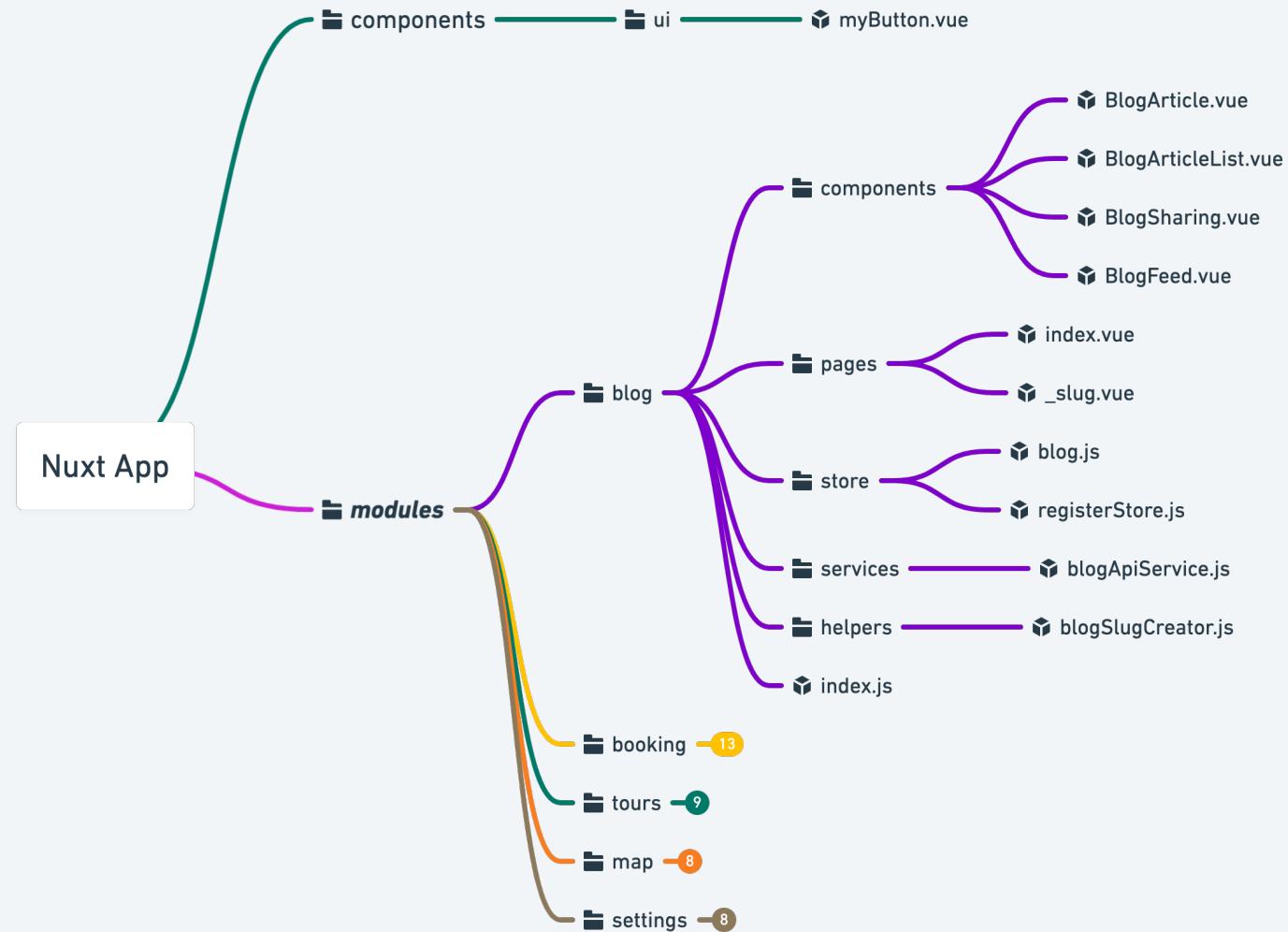
# ...and the rest

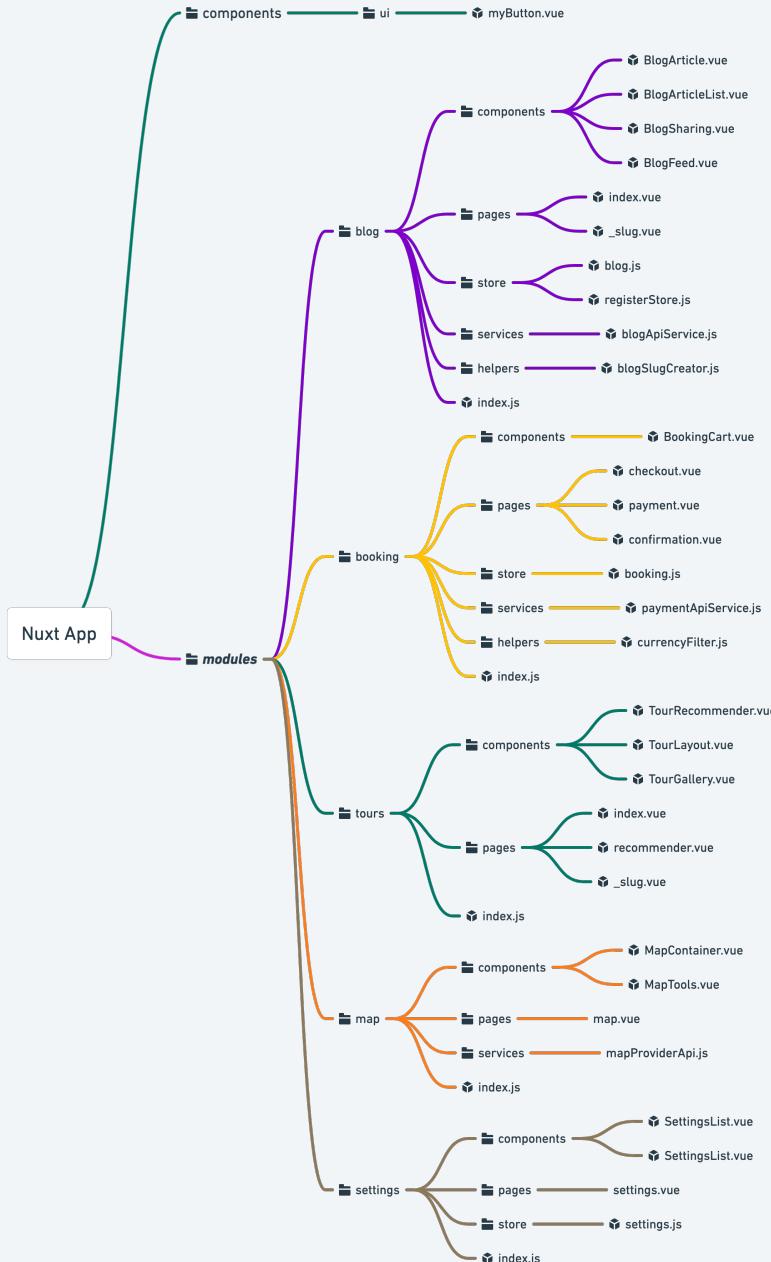


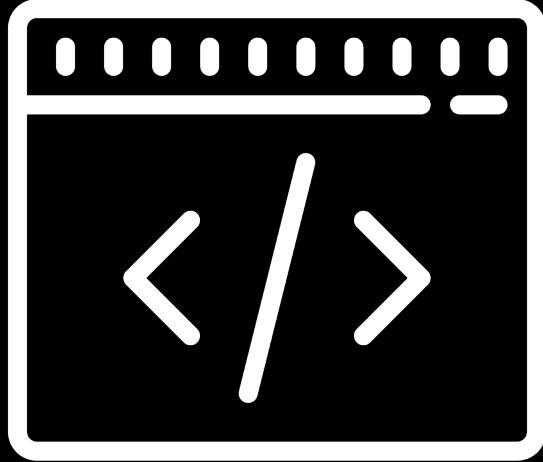
# Building a modular structure



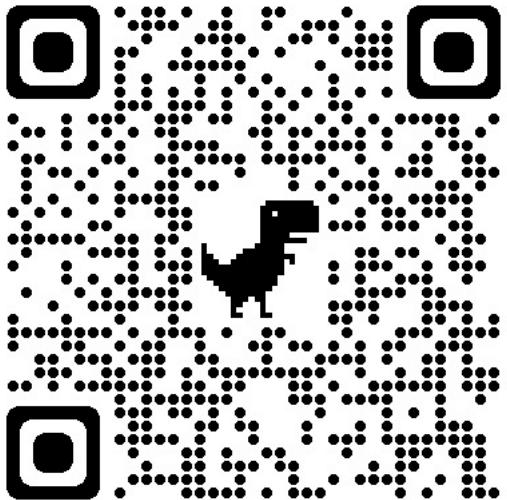
# Building a modular structure







**Live Demo**



areindl



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## Anton Reindl

Senior Developer & Architect

# Thank you!

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We hire  
remote Devs!