Card: factors to consider

Ausgangslage:
Wir werden verschiedene Frameworks ausprobieren und auswerten.
Welche Faktoren dabei eine Rolle spielen finden wir hier!

Viel Spass!

Zeitbedarf: 6 Lektionen

Hilfsmittel:
Methode/Sozialform: GA
Lernziele:

✓   Verschiedene Frameworks analysieren

Links:
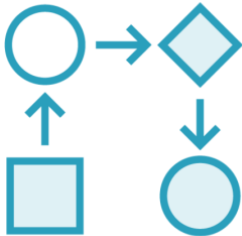
Inhaltsverzeichnis

1 Choosing a Framework

Categories of Criteria:
- Ecosystem
- Performance
- Business Models and Pricing
- Scalability

Frameworks we'll discuss:
- create-react-app
- Next.js
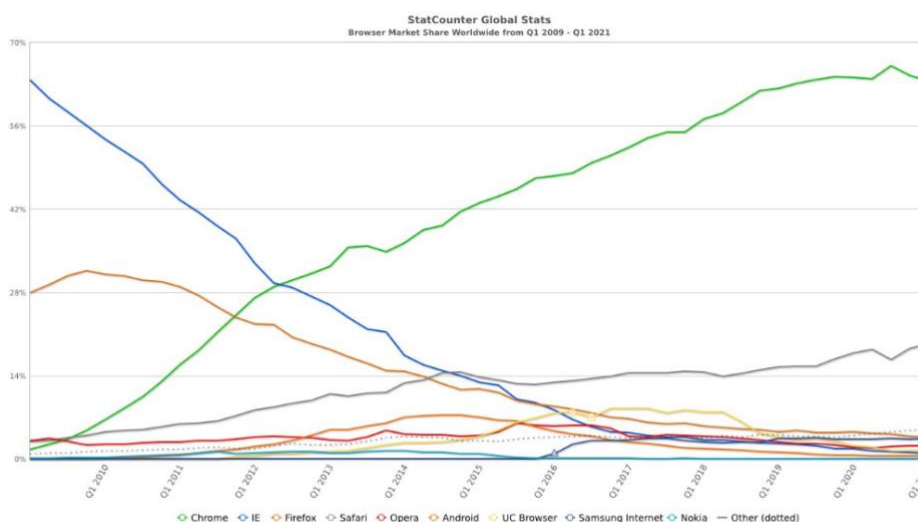- Gatsby
- Blitz
- Redwood
- Remix
- Astro

1.1 Criteria 1: Ecosystem

Ecosystem:
- Infrastructure and wide usage are essential to foster growth and support for a framework
- Existing software on your machine, CLI tools, PATH requirements, and other Infrastructure is part of a framework's Ecosystem
- How long a framework has been available and how popular it is are important factors to consider
- Great documentation is essential to training a team (or yourself) to work with a framework
- Bug fix frequency and developer support will affect your ability to continue to use a framework
- It's important to consider how easily you can migrate to a new framework if necessary

1.2 No One stays on Top forever

StatCounter Global Stats
Browser Market Share Worldwide from Q1 2009 - Q1 2021

1.3 Criteria 2: Performance

Performance:

- Some frameworks support server-side rendering, which can be great for client-side performance
- We'll be running a "Hello World" app for each framework to test through Google's Lighthouse system
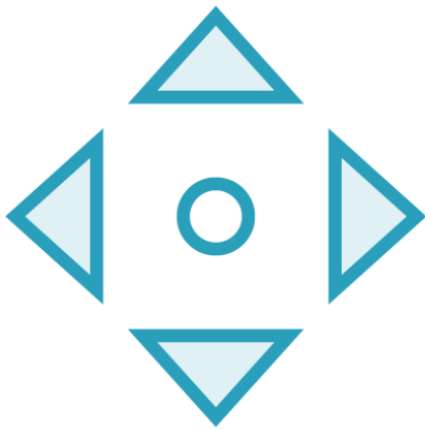- Abstraction layers may also impact performance

1.4 Criteria 3: Business Models and Pricing

Business Models and Pricing:

- There are several costs associated with each framework that should be considered
- Infrastructure costs may differ depending on if a framework is serverless or not
- Licensing costs may vary, from one-time fees to subscription models
- Free and Open-Source software is free to use, but may lack some of the advantages of a paid framework

1.5   Criteria 4: Scalability

Scalability:

- The deployment model of a framework may be more or less restrictive, impacting how much control you have over it
- Needing to set up servers manually or being able to use a Managed Service Provider with a framework can affect how your app grows

1.6   Summary

Takeaways:

- We'll be analyzing frameworks with 4 kinds of criteria: Ecosystem, Performance, Business Models and Pricing, and Scalability

Next Up:

- Basic framework concepts
- Review of create-react-app

Notizen