

Software Architecture Options

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Requirements

Function Requirements

These are your use-cases. For example, for a e-commerce site, you may need to offer functionality like: search inventory, place order and review past orders.

Non-Functional Requirements

How should the system behave.

These are requirements like:

- usability
- reliability
- efficiency
- scalability
- maintainability

Restrictions

Restrictions limit your options.

Restrictions include:

- compliance
- costs
- standards
- time to market

Priorities

We need to prioritize functional and non-functional requirements based on restrictions.

For example: may not prioritize portability if we control where the solution is to be deployed.

Implementation

Key Concepts

- Start with one thing at a time.
- Keep it simple. (KISS)
- Don't over engineer. You ain't gonna need it. (YAGNI)

Software Architecture Patterns

See O'Reillys - [Software Architecture Patterns](#)

References

Reference	URL
Software Architecture Patterns	https://github.com/gg-daddy/ebooks/blob/master/software-architecture-patterns.pdf