

# Design

Designing software well is hard.

ISE has collected a number of practices which we find help in the design process. This covers not only technical design of software, but also architecture design and non-functional requirements gathering for new projects.

## Goals

- Provide recommendations for how to design software for maintainability, ease of extension, adherence to best practices, and sustainability.
- Reference or define process or checklists to help ensure well-designed software.
- Collate and point to reference sources (guides, repos, articles) that can help shortcut the learning process.

- Maintainability
- Ease of Extension
- Best practices
- Sustainability

## Code Examples

- Folder Structure
  - [Folder Structure For Python Repository](#)
- Project Templates
  - Rust

- [Actix Web, Diesel ORM, Test Containers, Onion Architecture](#)
- Python
  - [Flask, SQLAlchemy ORM, Test Containers, Onion Architecture](#)

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