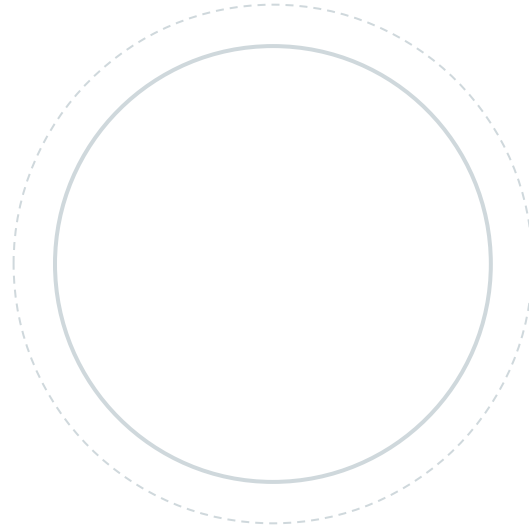


Legacy systems & Technical debt & Refactoring



Legacy system - How is this happening

Legacy system is a system where **technical expertise/knowledge was lost**

- Software with a **history** (~5+ years)
- A set of **major** releases
- **Long evolution** of source code
- **Extending** with new **features**
- **Reuse** inside new **domains**
- **Integration** with other systems

Legacy system is your **code** after one month **without unit-tests** and **documentation**

Refactoring

Increasing internal **software quality without changing** users' **behavior** (system interface)

- ◎ **Decrease** code **coupling**
- ◎ **Clarify** interfaces
- ◎ **Remove** God-objects
- ◎ **Rewrite** code using patterns
- ◎ **Improve** documentation
- ◎ e.t.c