Code structure

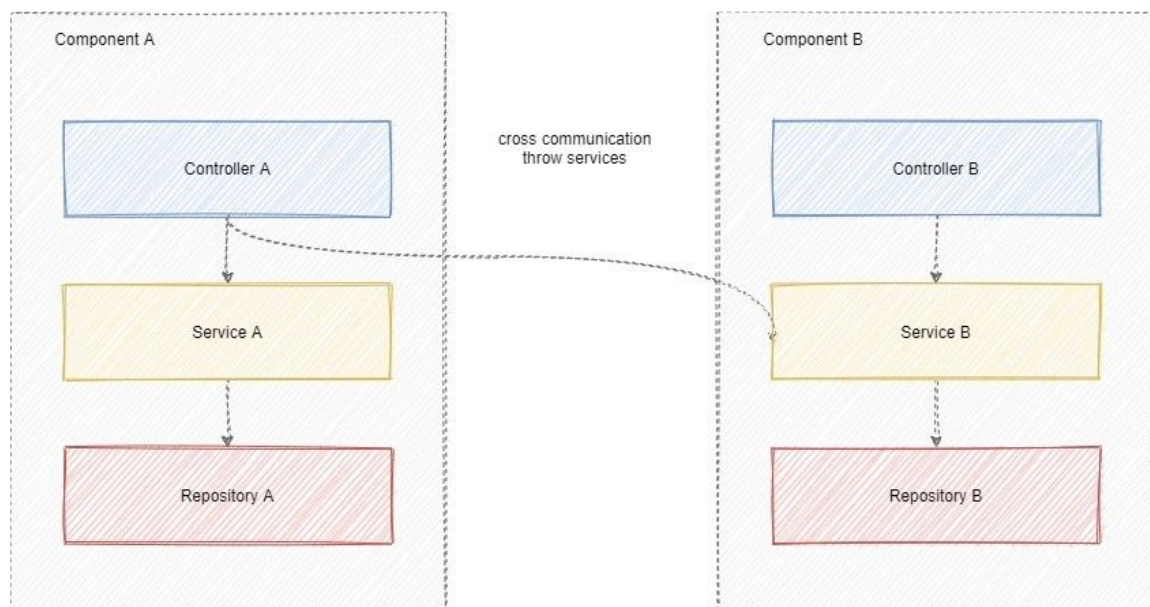## Architecture pattern

- our project follows a layered architecture pattern

Communication between layers

- the most proper way is that `controllers` should only call `services` to perform its flow, `services` should only call repositories in their boundary component.
- communication between components occurs in `controllers` only as `controllers` via other `component` services

> ✅ the proper way of communication between layers in component boundary and cross-component communication

> ❌ examples of wrong communication between layers and components

Component A

Controller A

Service A

Repository A

Component B

Controller B

Service B

Repository B

controllers cannot call
each other

services should not call
each other

repos should not call
each other

Component A

Controller A

Service A

Repository A

Component B

Controller B

Service B

Repository B

services should not call
other component repo
directly