

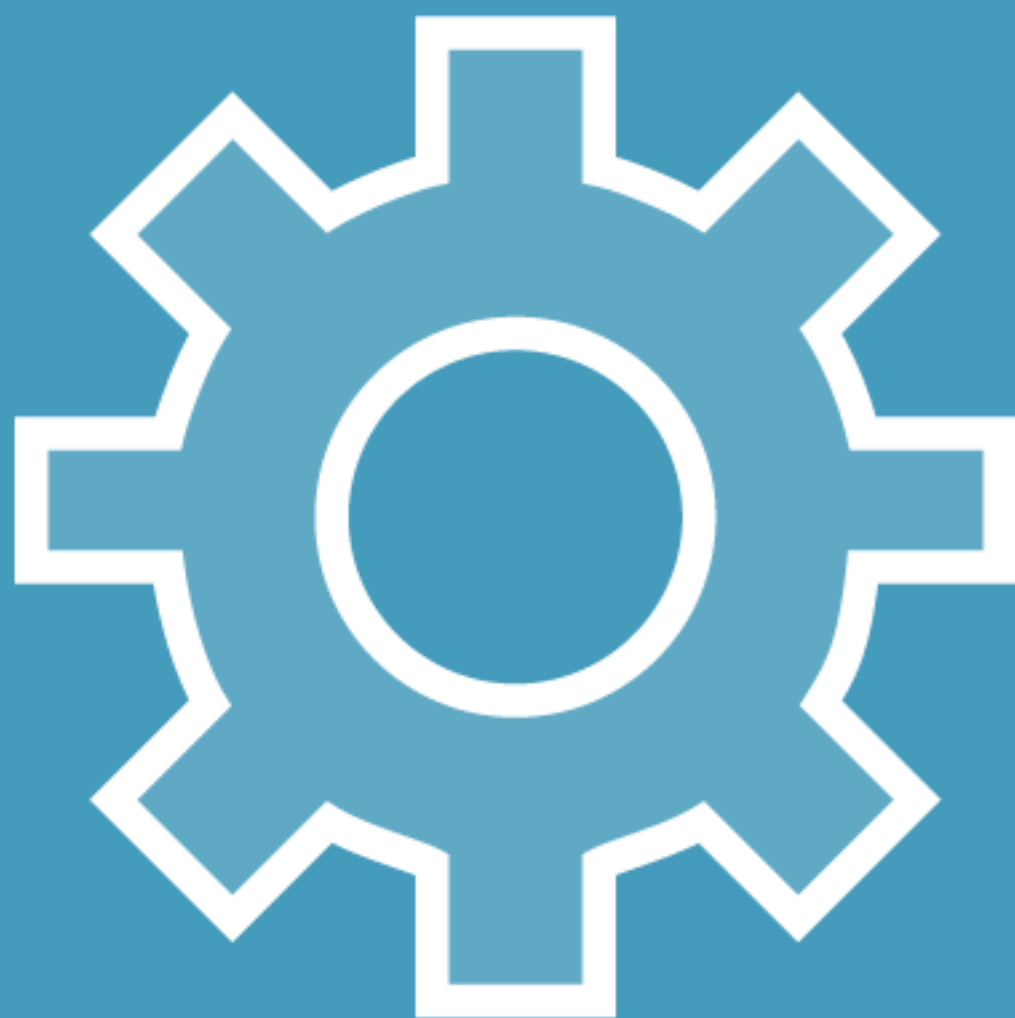
Understanding the Structure of Spring MVC Applications



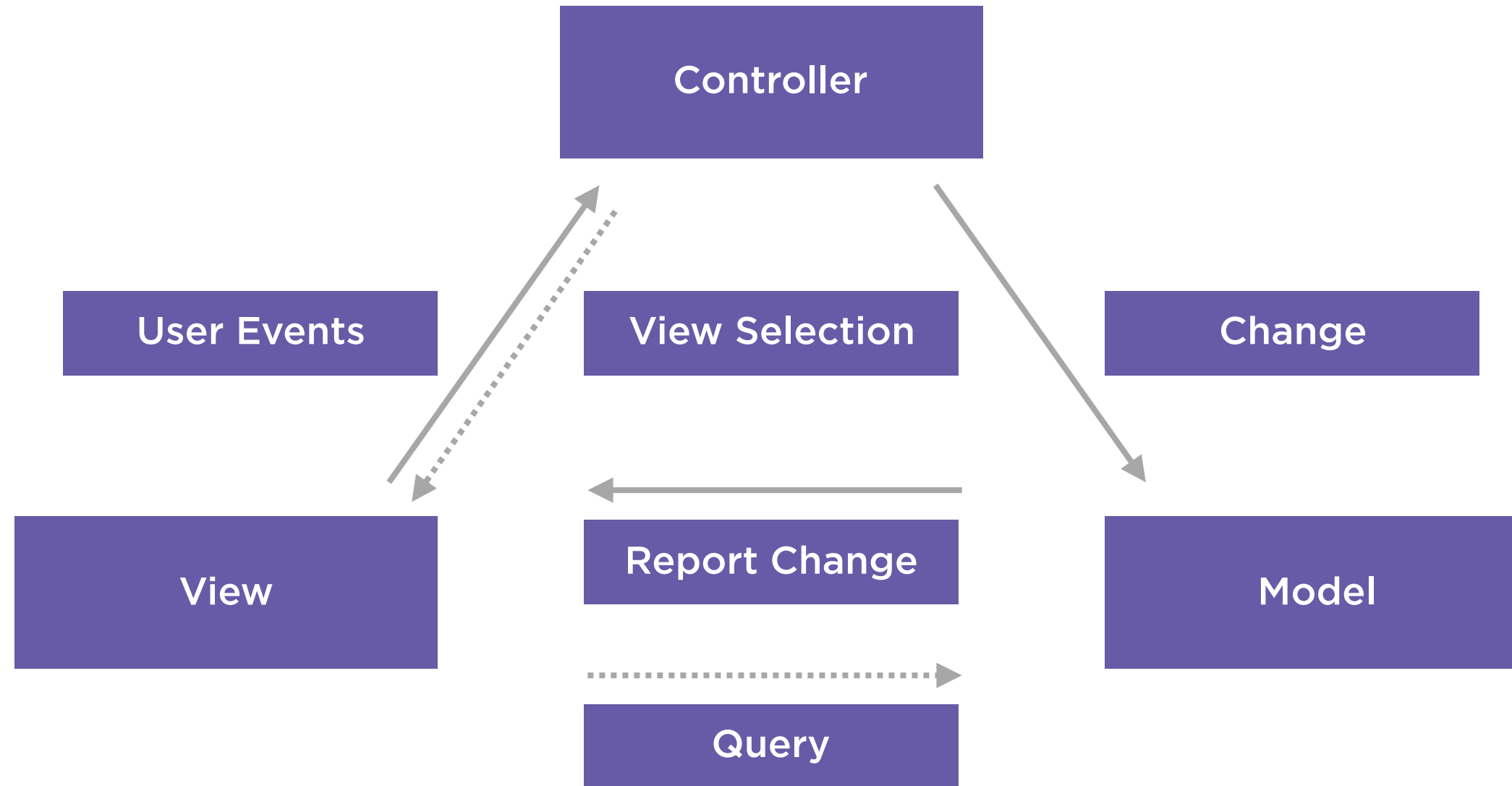
Bryan Hansen

DIRECTOR OF SOFTWARE DEVELOPMENT

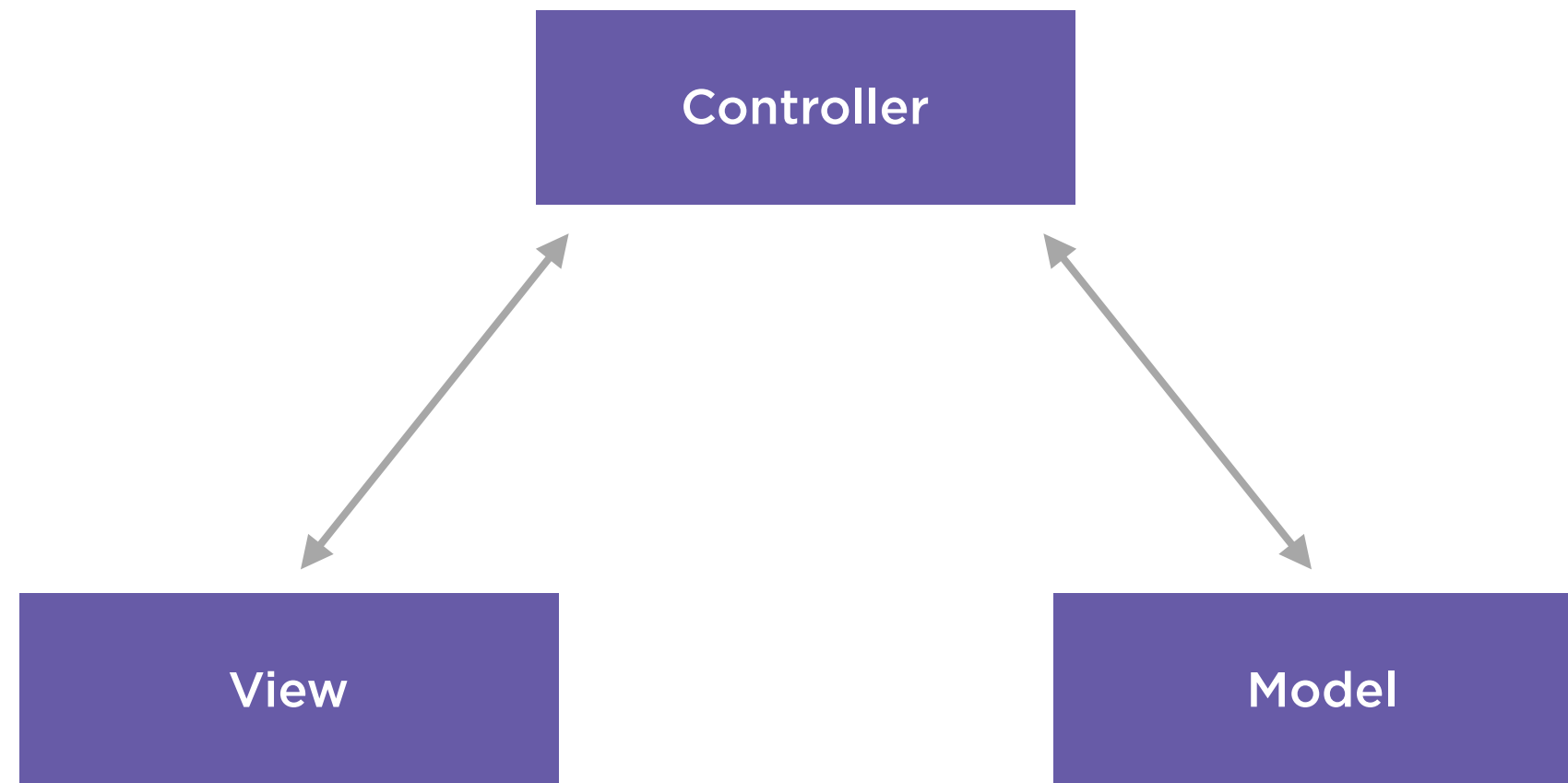
@bh5k



Model-View-Controller



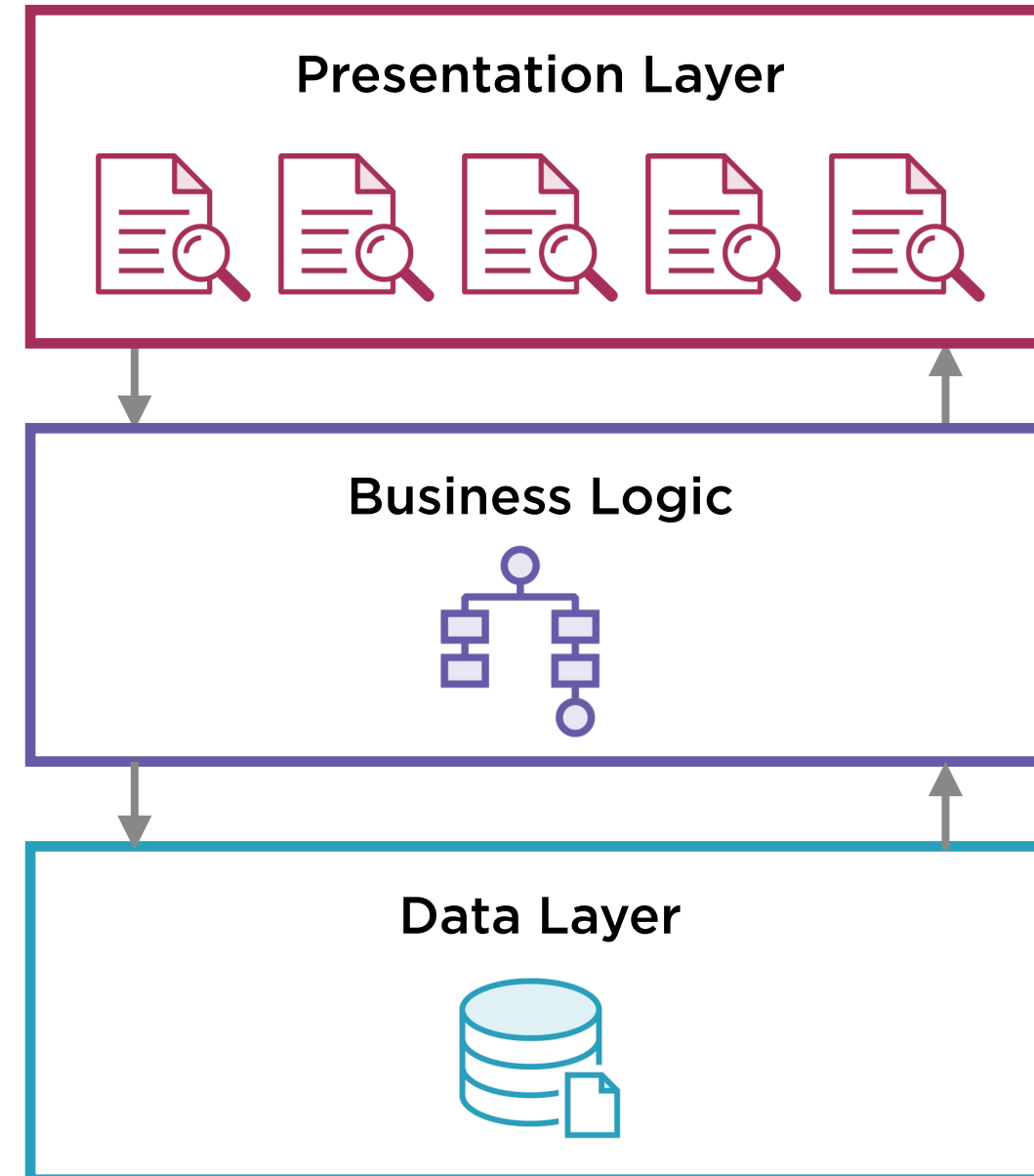
Model-View-Controller



Separation of concerns

Reusable layers

Maintenance

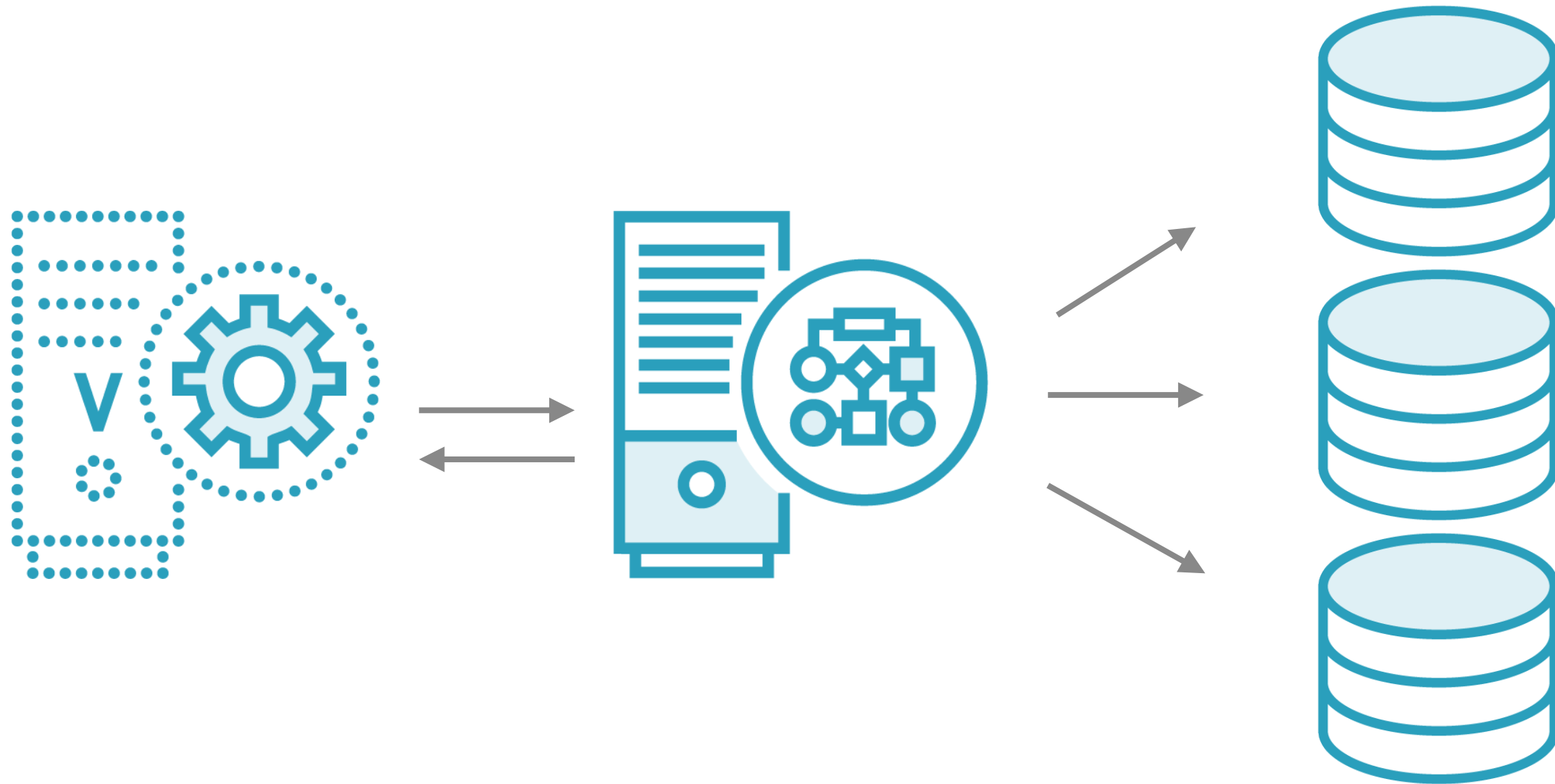


View (JSPs)

Controller (@Controller)

Data Model / Database
(Model Object)

Components





Controller

Handles request/response

No business logic

Coordinate with service and repository

Annotated with @Controller

Handles exceptions and view routing



Service

Annotated with @Service

Describes verbs/actions of system

Business logic belongs here

Ensures business object state

Transactional

Often same methods as repository



Repository

Annotated with @Repository

Nouns (data) of the system

Database interaction

One-to-one object mapping

Often one-to-one database table mapping

Summary

Software architecture

MVC

N-tier

Components

Controller

Service

Repository