



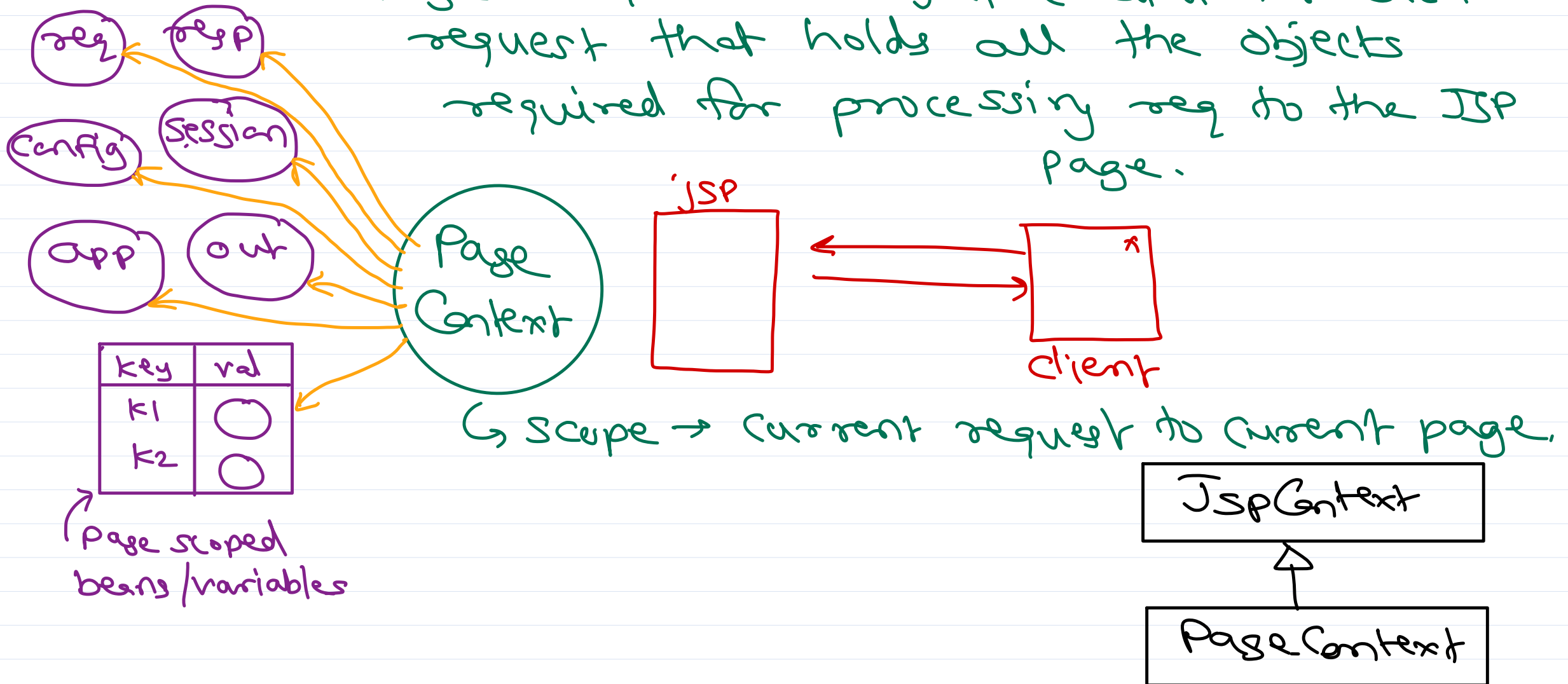
Advanced Java

Trainer: Nilesh Ghule



PageContext

PageContext is an object created for each request that holds all the objects required for processing req to the JSP Page.



Aspect Oriented Programming

Cross-cutting concerns: additional functionality

① logging ② security ③ tx mgmt

④ performance measure ⑤ ...

AOP: Implementation of cross-cutting concerns without modifying main business logic

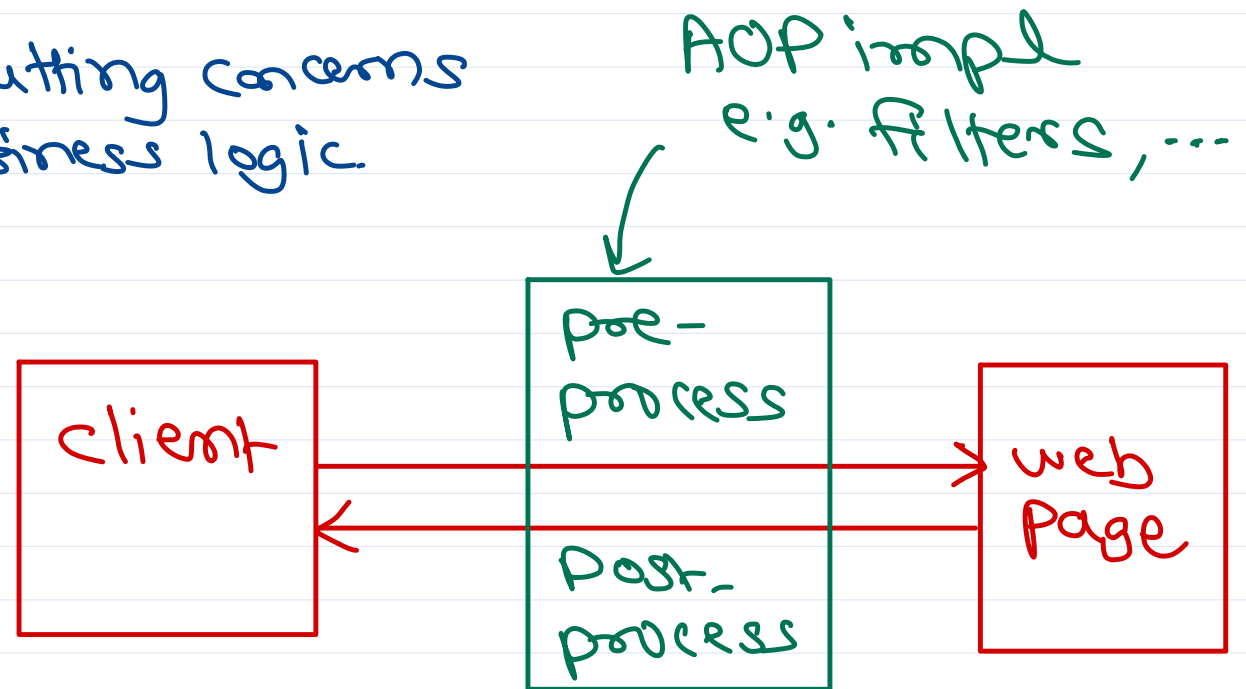
e.g. Python: decorators, ...

Express: middleware.

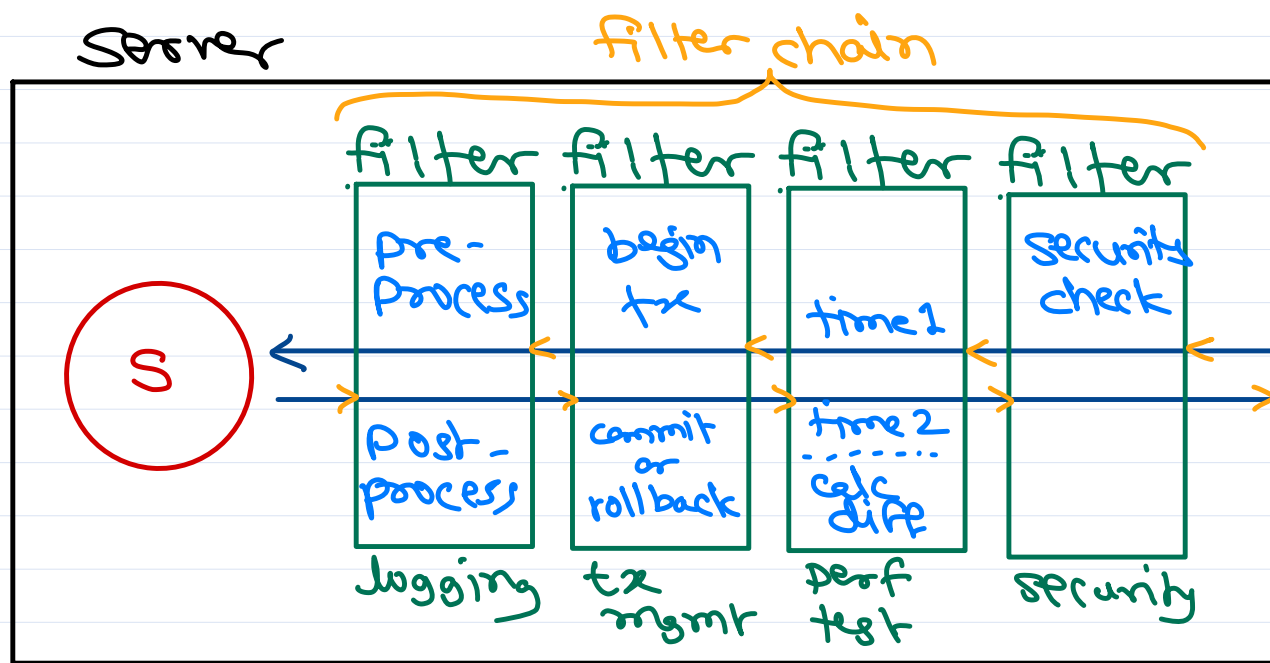
Core Java: Java proxy.

Java EE: filters

Spring MVC: interceptors, filters



Filters



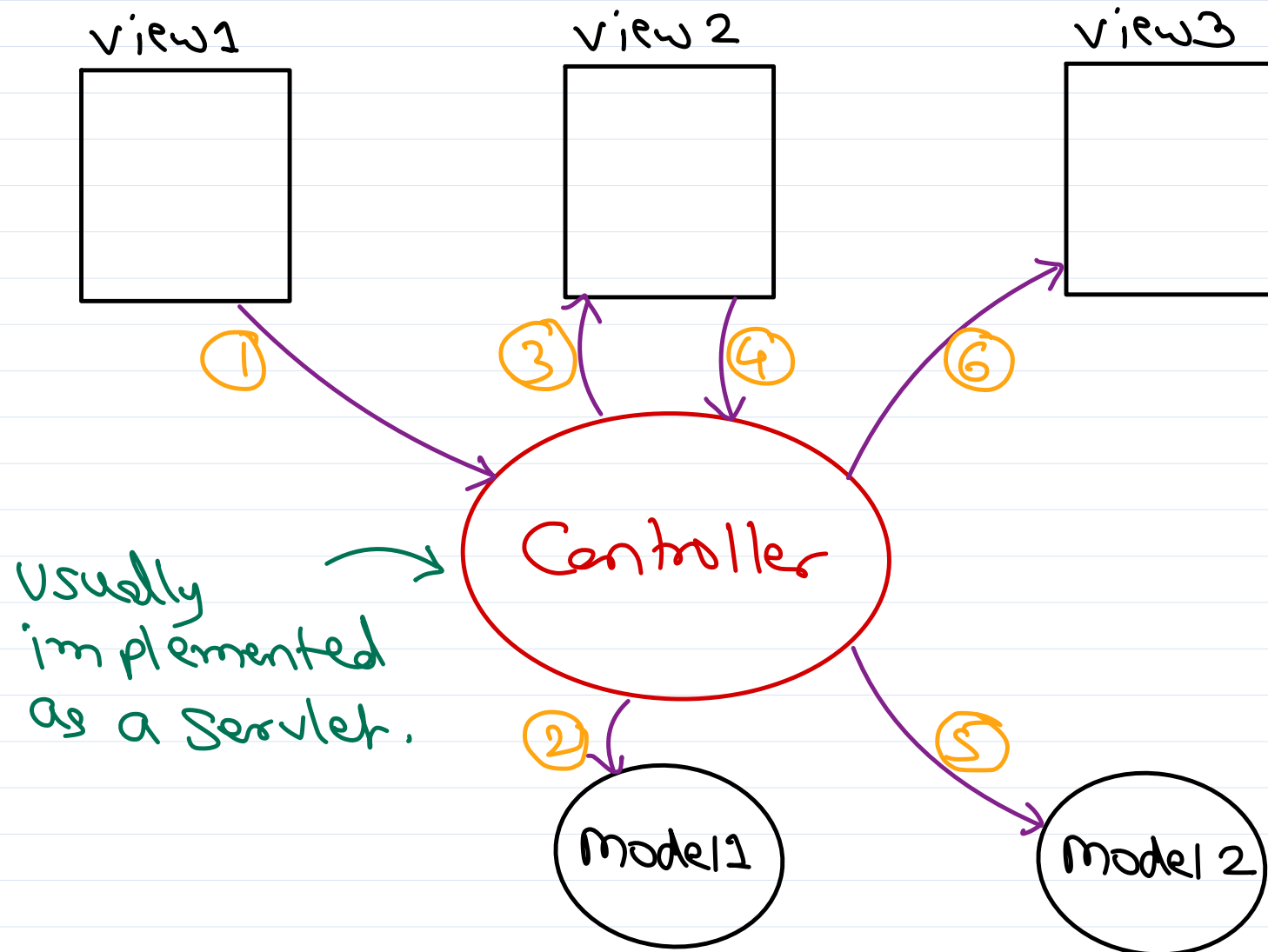
additional functionalities can be added in web appln without modifying core servlet/jsp pages using filters.

The additional fns can be tx mgmt, logging, security, etc.

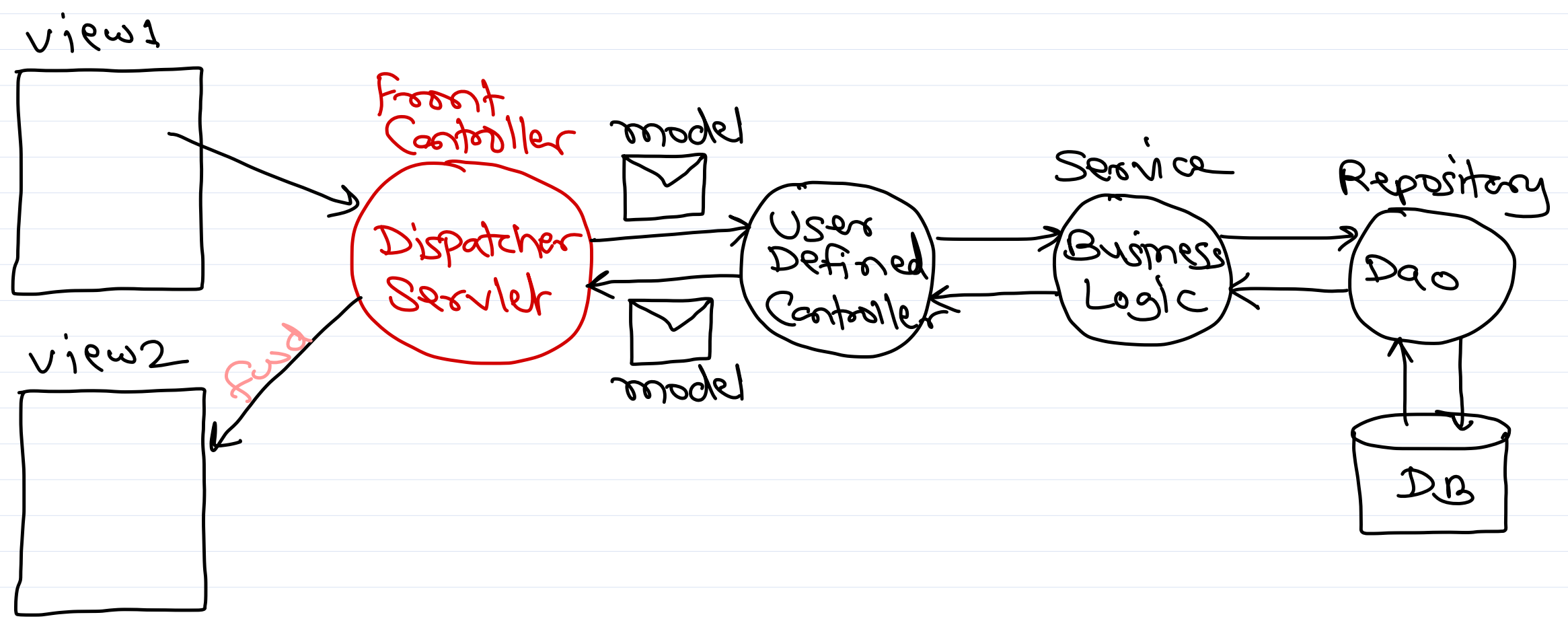
```
class MyFilter implements Filter {  
    public void init(Config) ... { ... }  
    public void destroy() { ... }  
    public void doFilter(req, resp, chain) ... {  
        // pre-processing  
        chain.doFilter(req, resp);  
        // post-processing  
    }  
}
```

Filter needs to be configured:
@WebFilter("/url") OR
web.xml →
<filter> and <filter-mapping>

Model View Controller



Spring MVC





Thank you!

Nilesh Ghule <nilesh@sunbeaminfo.com>

