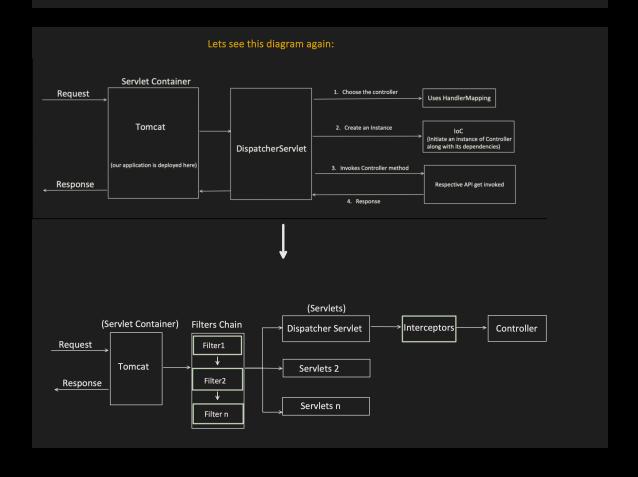
Filter:

It intercept the HTTP Request and Response, before they reach to the servlet.

Interceptor:

Its specific to Spring framework, and intercept HTTP Request and Response, before they reach to the Controller.



What is servlet:

Servlet is nothing but a Java class, which accepts the incoming request, process it and returns the response.

We can create multiple servlets like:

Servlet 1: can be configured to handle REST APIs

Servlet 2 : can be configured to handle SOAP APIs etc....

Similarly like this, "DispatcherServlet" is kind of servlet provided by spring, and by default its configured to handle all APIs "/*".

Filter:

Is used when we want to intercept HTTP Request and Response and add logic agnostic of the underlying servlets.

We can have many filters and have ordering between them too.

Interceptors:

Is used when we want to intercept HTTP request and response and add logic specific to a particular servlet

We can have many Interceptors and have ordering between them too.

Multiple Interceptors and its Ordering:

In previous video, we already saw, how to add 1 interceptor.

How "preHandle", "postHandle" and "afterCompletion" comes into the picture.

Now here, will show how to add more than 1.

Also, if "preHandle" returns false, next interceptor and controller will not get invoked itself.

```
How to Add Filters:

input journs sworts *,
i
```

If both Interceptor and Filter used together, Output will look like this.

```
2024-09-02T17:32:25.643+05:30 INFO 7373 --- [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet
2024-09-02T17:32:25.644+05:30 INFO 7373 --- [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet
MyFilter1 inside
MyFilter2 inside
inside pre handle Method - MyCustomInterceptor1
inside pre handle Method - MyCustomInterceptor2
hitting db to get the userdata
inside post handle method- MyCustomInterceptor2
inside post handle method- MyCustomInterceptor1
inside after completion method - MyCustomInterceptor1
inside after completion method- MyCustomInterceptor1
MyFilter2 completed
MyFilter1 completed
```