

```
<web-app>

    <filter>
        <filter-name>FilterA</filter-name>
        <filter-class>TestFilter</filter-class>
    </filter>
    <filter>
        <filter-name>FilterB</filter-name>
        <filter-class>TestFilter</filter-class>
    </filter>
    <filter>
        <filter-name>FilterC</filter-name>
        <filter-class>TestFilter</filter-class>
    </filter>
    <filter>
        <filter-name>FilterD</filter-name>
        <filter-class>TestFilter</filter-class>
    </filter>
    <filter>
        <filter-name>FilterE</filter-name>
        <filter-class>TestFilter</filter-class>
    </filter>

    <!-- associate FilterA and FilterB to RedServlet -->
    <filter-mapping>
        <filter-name>FilterA</filter-name>
        <servlet-name>RedServlet</servlet-name>
    </filter-mapping>
    <filter-mapping>
        <filter-name>FilterB</filter-name>
        <servlet-name>RedServlet</servlet-name>
    </filter-mapping>

    <!-- associate FilterC to a request matching /red/* -->
    <filter-mapping>
        <filter-name>FilterC</filter-name>
        <url-pattern>/red/*</url-pattern>
    </filter-mapping>

    <!-- associate FilterD to a request matching /red/red/* -->
    <filter-mapping>
        <filter-name>FilterD</filter-name>
        <url-pattern>/red/red/*</url-pattern>
    </filter-mapping>

    <!-- associate FilterE to a request matching *.red -->
    <filter-mapping>
        <filter-name>FilterE</filter-name>
        <url-pattern>*.red</url-pattern>
    </filter-mapping>

    <servlet>
```

```

<servlet-name>RedServlet</servlet-name>
<servlet-class>RedServlet</servlet-class>
</servlet>

<servlet-mapping>
    <servlet-name>RedServlet</servlet-name>
    <url-pattern>/red/red/red/*</url-pattern>
</servlet-mapping>
<servlet-mapping>
    <servlet-name>RedServlet</servlet-name>
    <url-pattern>*.red</url-pattern>
</servlet-mapping>

<web-app>

```

In web.xml, we have associated

- 1 FilterA and FilterB with RedServlet using the servlet name in the filter mapping elements
- 2 FilterC to a request whose URI matches /red/*
- 3 FilterD to a request whose URI matches /red/red/*
- 4 FilterE to a request whose URI matches *.red

We have also configured RedServlet to service requests having the URI pattern of /red/red/red/* and *.red.

Table shows the order of filter invocations for various request URIs. We have not shown the base URIs for any of the request URIs in the table, since it is the same for all: <http://localhost:8080/chapter07/>.

Order of filter invocation in filter chaining

Request URI	Filter Invocation Order
aaa.red	
red/aaa.red	
red/red/aaa.red	
red/red/red/ aaa.red	
red/red/red/aaa	

Order of filter invocation in filter chaining (*continued*)

Request URI	Filter Invocation Order
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red/red/aaa

red/aaa

red/red/red/
aaa.doc
aaa.doc
