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- eg: jSESSIONID = .....DBEFH

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```
eg: <form method = "get" action = "'" + response.encodeURL( './second' )
```

&lt;/form&gt;

```
./second?JSESSIONID = .....
```

Framework support SessionTracking Mechanism through "URL-ReWriting" only.

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- Not used in realtime as it increases the lines of code.

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As per Servlet specification, we have 4 different ways of mapping the URLPattern

- a. Exact match URL Pattern => eg: /test

- b. Longest Path URL Pattern => eg: `/controller/servlet/*`

- c. URL Pattern by extension => eg: \*.do

- d. Default URL Pattern => eg: /

1. /test (valid)

2. `/test/*/test(invalid)`

3. /test/test/\*(valid)

- ```
4. *.test(valid)
```

- ```
5. /(valid)
```

6. /test/test/\*.do (valid)

Patterns for Servlet

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```
/                => FourthServlet
/test            => FirstServlet
/test/test/*    => SecondServlet
*.do            => ThirdServlet
```

```
http://localhost:9999/URLPatternTypesApp/test/test/navindReddy.do => SS
http://localhost:9999/URLPatternTypesApp/test/test/navinReddy      => SS
http://localhost:9999/URLPatternTypesApp/                          => DS
http://localhost:9999/URLPatternTypesApp/navinReddy.do             => TS
http://localhost:9999/URLPatternTypesApp/test/hyder                =>
DS
```

Note: When none of the Servlet is getting mapped, then default Servlet will get a chance once again.

Webcontainer will always gives preference in the following order

- Exact match UrlPattern
- Longest Path prefix UrlPattern
- UrlPattern by Extension
- Default UrlPattern

In realtime projects which type of url pattern is preferred?

URLPattern by extension is preferred(\*.do).

In SpringMVC for inbuilt servlet called "DispatcherServlet(FC)", we configure it through "URL-pattern by extension".

Configuring welcome pages

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It is highly recommended to configure the welcome-page/landingpage for our webapplication.

Advantage

1. It increases the easyness of the use of the webapplication for the end user.

Configuration can be done in XML only for html files, jsp files

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```
<web-app>
  <welcome-file-list>
    <welcome-file>home.jsp</welcome-file>
    <welcome-file>welcome.jsp</welcome-file>
    <welcome-file>index.jsp</welcome-file>
  </welcome-file-list>
</web-app>
```

Note:

1. The order of searching a landingpage would be from top to bottom
2. In any webapplication index.html acts as a default welcome file, if index.html is not available then index.jsp acts a default welcome file.

eg:

http://localhost:9999/FirstApp/ =====> search for index.html/index.jsp and load as the response to the client.

As per JEE specification, when we are configuring jsp pages inside <welcome-file>, we need to just specify the file name not

with "/".

eg: <welcome-file>index.jsp</welcome-file>(valid)  
<welcome-file>/index.jsp</welcome-file>(error)