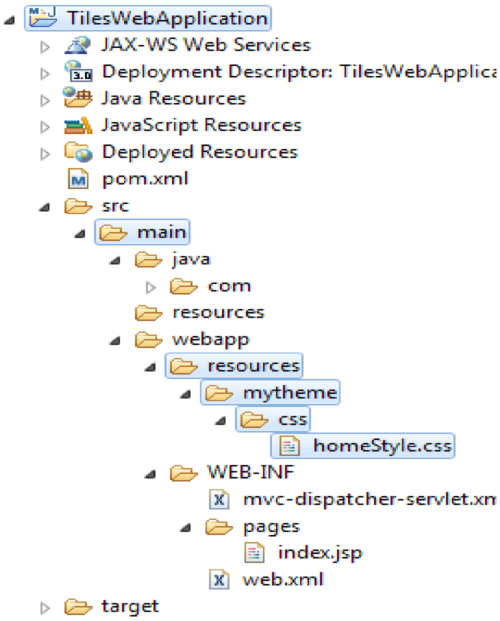
Spring – Maven – How to link css/js files   Date: 27June2014

Consider project as “**TilesWebApplication**”.

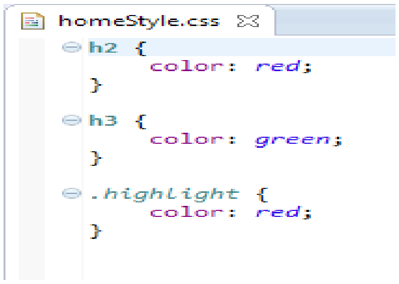


```
TilesWebApplication
  JAX-WS Web Services
  Deployment Descriptor: TilesWebApplica
  Java Resources
  JavaScript Resources
  Deployed Resources
  pom.xml
  src
    main
      java
        com
      resources
      webapp
        resources
          mytheme
            css
              homeStyle.css
        WEB-INF
          mvc-dispatcher-servlet.xn
          pages
            index.jsp
          web.xml
  target
```

Step – 1:

Create a resource folder under webapp and then create a folder mytheme which will hold both the css and js directories (here I am doing only for CSS)

I have created a **homeStyle.css** which will have some css properties.



homeStyle.css

```
h2 {
        color: red;
}

h3 {
        color: green;
}

.highlight {
        color: red;
}
```

Step – 2:

But we are using spring so we need to say to spring framework where to look for the resources?
So we need to mention the resource fodler detail,

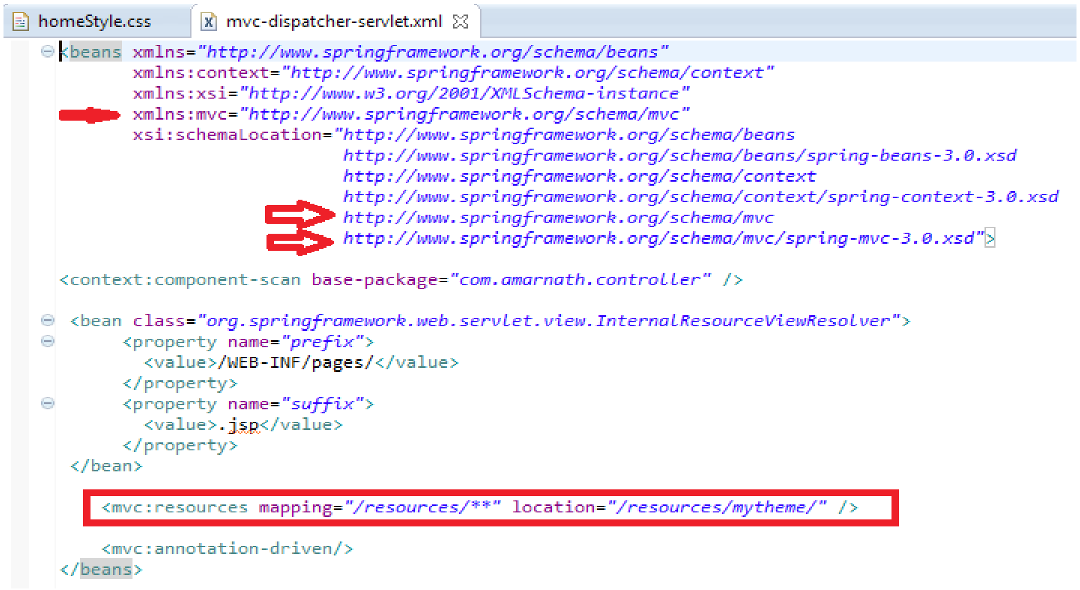
“`<mvc:resources mapping="/resources/**" location="/resources/mytheme/" />` “

Which means when ever we call “/resource/” it will be replaced with “/resource/mytheme/”.
Also here for **mvc:resources** tag we need to include the following beans, (see below image)

```
xmlns:mvc="http://www.springframework.org/schema/mvc"
and
```

In **schema location bean,**

```
http://www.springframework.org/schema/mvc
http://www.springframework.org/schema/mvc/spring-mvc-3.0.xsd
```



```
<beans xmlns="http://www.springframework.org/schema/beans"
       xmlns:context="http://www.springframework.org/schema/context"
       xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
       xmlns:mvc="http://www.springframework.org/schema/mvc"
       xsi:schemaLocation="http://www.springframework.org/schema/beans
                           http://www.springframework.org/schema/beans/spring-beans-3.0.xsd
                           http://www.springframework.org/schema/context
                           http://www.springframework.org/schema/context/spring-context-3.0.xsd
                           http://www.springframework.org/schema/mvc
                           http://www.springframework.org/schema/mvc/spring-mvc-3.0.xsd">

<context:component-scan base-package="com.amarnath.controller" />

 <bean class="org.springframework.web.servlet.view.InternalResourceViewResolver">
      <property name="prefix">
        <value>/WEB-INF/pages/</value>
      </property>
      <property name="suffix">
        <value>.jsp</value>
      </property>
 </bean>

    <mvc:resources mapping="/resources/**" location="/resources/mytheme/" />

    <mvc:annotation-driven/>
</beans>
```

Requested URL = example.com/**resources**/css/default.css
Spring Converted to this = example.com/**resources/mytheme/**css/default.css

Step – 3:

Finally include the css in the jsp page for which you will need **jstl** to be included in your dependencies.

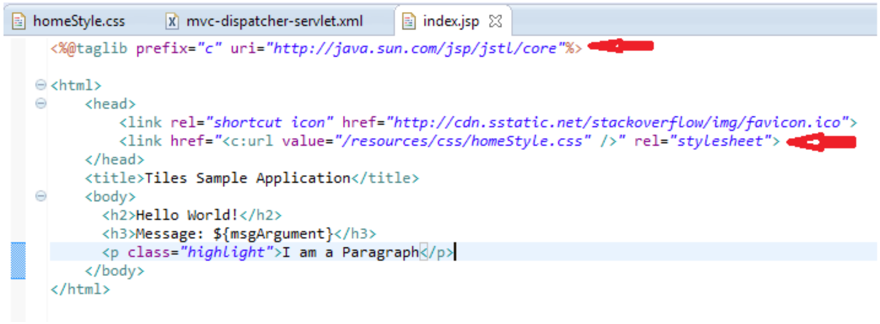
Include the below dependency in pom.xml dependencies.

```
        <dependency>
                <groupId>javax.servlet</groupId>
                <artifactId>jstl</artifactId>
                <version>1.2</version>
        </dependency>
```

And also use jstl tags to map the css and js files using **c:url** tag.

Jstl tag: `<%@taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core"%>`

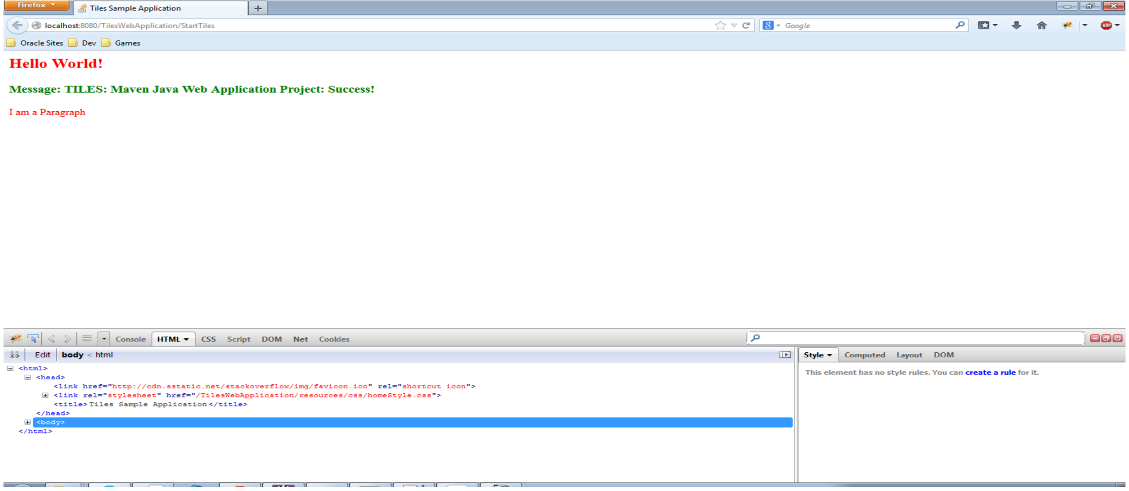
```
Jstl tag: <link href="<c:url value="/resources/css/homeStyle.css" />"
rel="stylesheet">
```



```
<%@taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core"%>

<html>
    <head>
        <link rel="shortcut icon" href="http://cdn.sstatic.net/stackoverflow/img/favicon.ico">
        <link href="<c:url value="/resources/css/homeStyle.css" />" rel="stylesheet">
    </head>
    <title>Tiles Sample Application</title>
    <body>
      <h2>Hello World!</h2>
      <h3>Message: ${msgArgument}</h3>
      <p class="highlight">I am a Paragraph</p>
    </body>
</html>
```

Finally Output:



Hello World!

Message: TILES: Maven Java Web Application Project: Success!

I am a Paragraph

```
<html>
  <head>
    <link href="http://cdn.sstatic.net/stackoverflow/img/favicon.ico" rel="shortcut icon">
    <link rel="stylesheet" href="/TilesWebApplication/resources/css/homeStyle.css">
    <title>Tiles Sample Application</title>
  </head>
  <body>
</html>
```

This element has no style rules. You can create a rule for it.