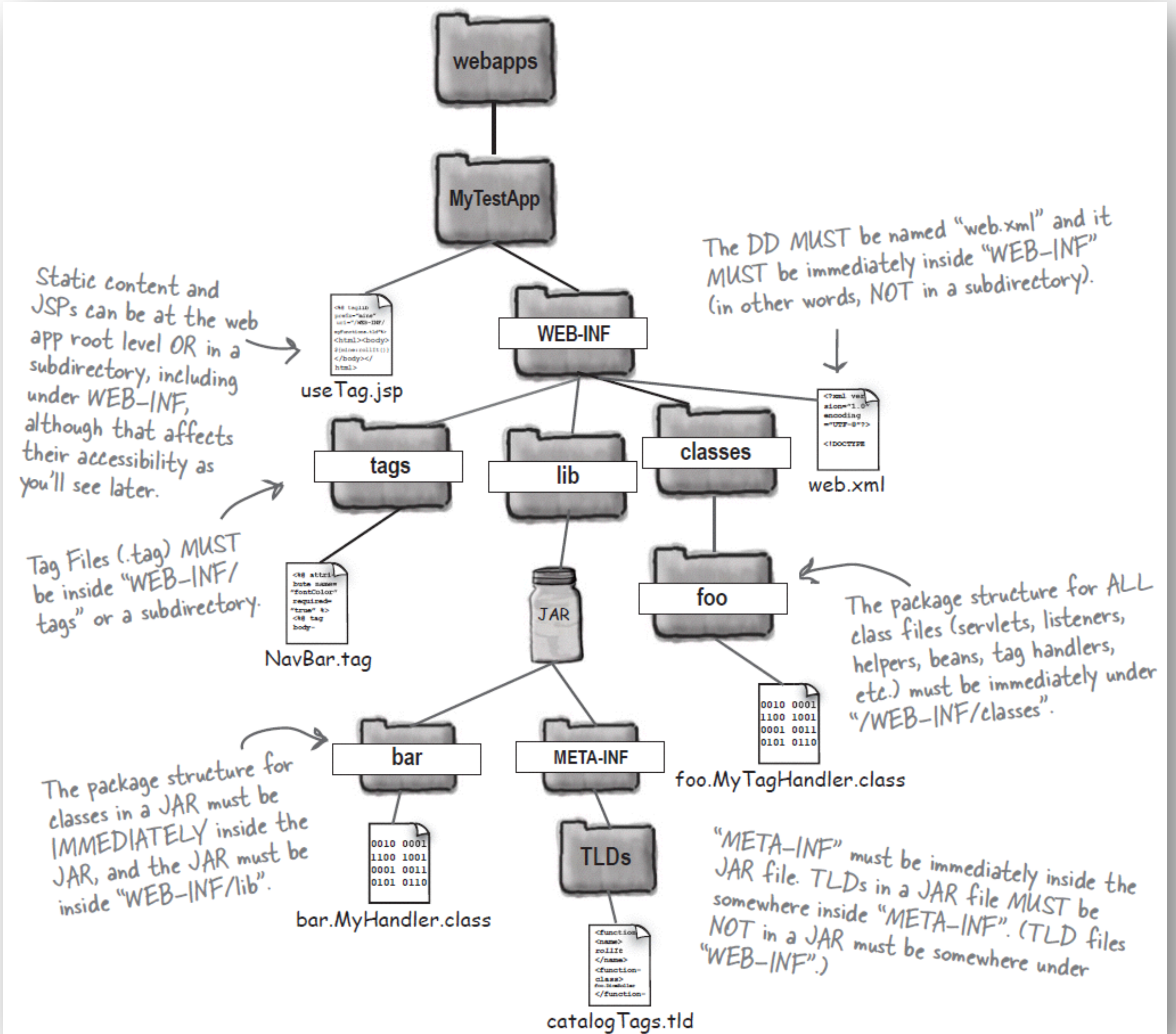


Chapter 11

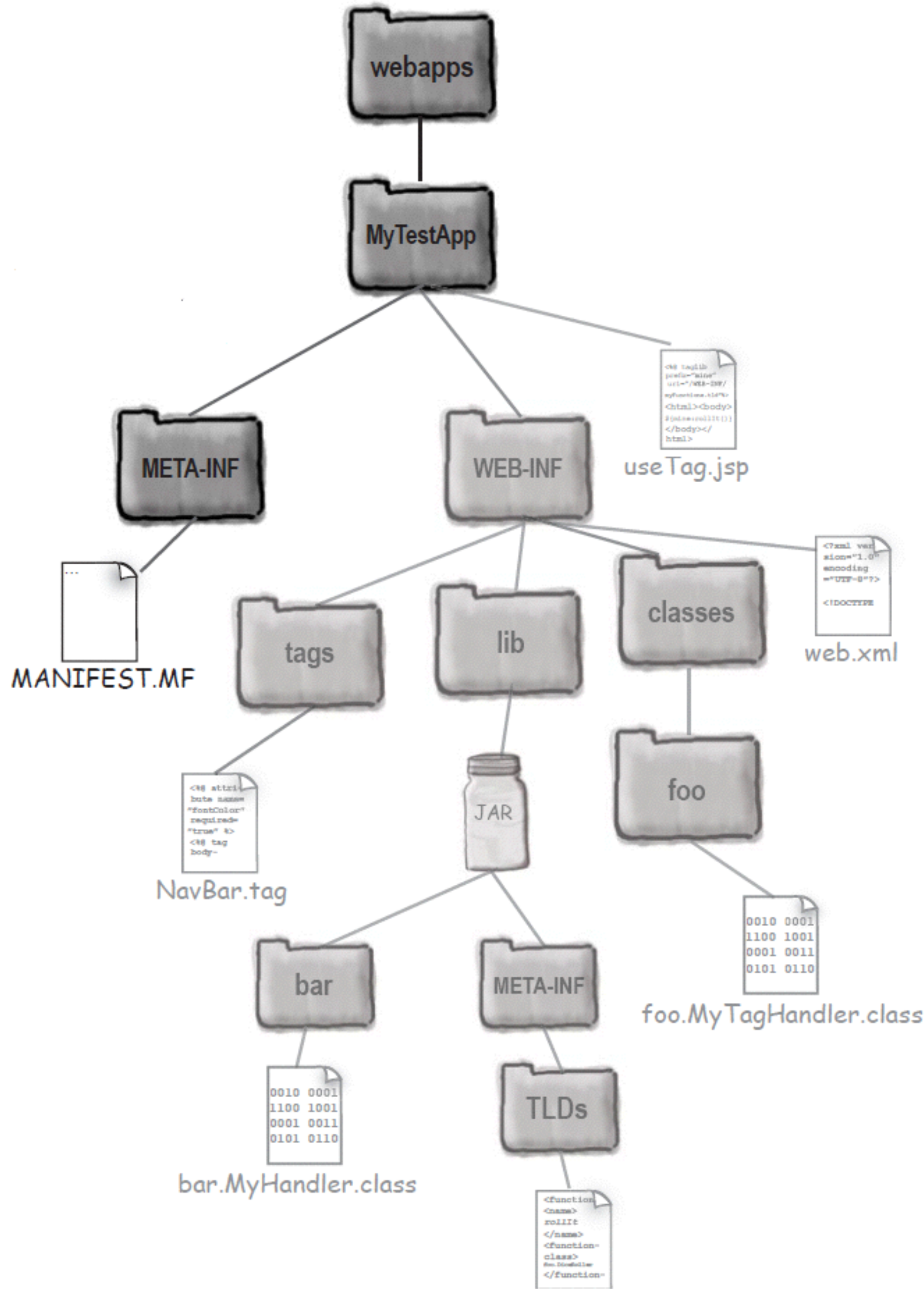
Deploying your web app

Deployment

- Where do YOU put things in the web app?
 - Where will the CONTAINER look for things in the web app?
 - How does the CLIENT request things in the web app?
- Where do you put
 - static resources?
 - JSP pages?
 - Servlet class files?
 - JavaBean class files?
 - Listener class files?
 - Tag Files?
 - Tag handler classes?
 - TLDs?
 - JAR files?
 - The web.xml DD?
 - ...?



Deploy via a WAR

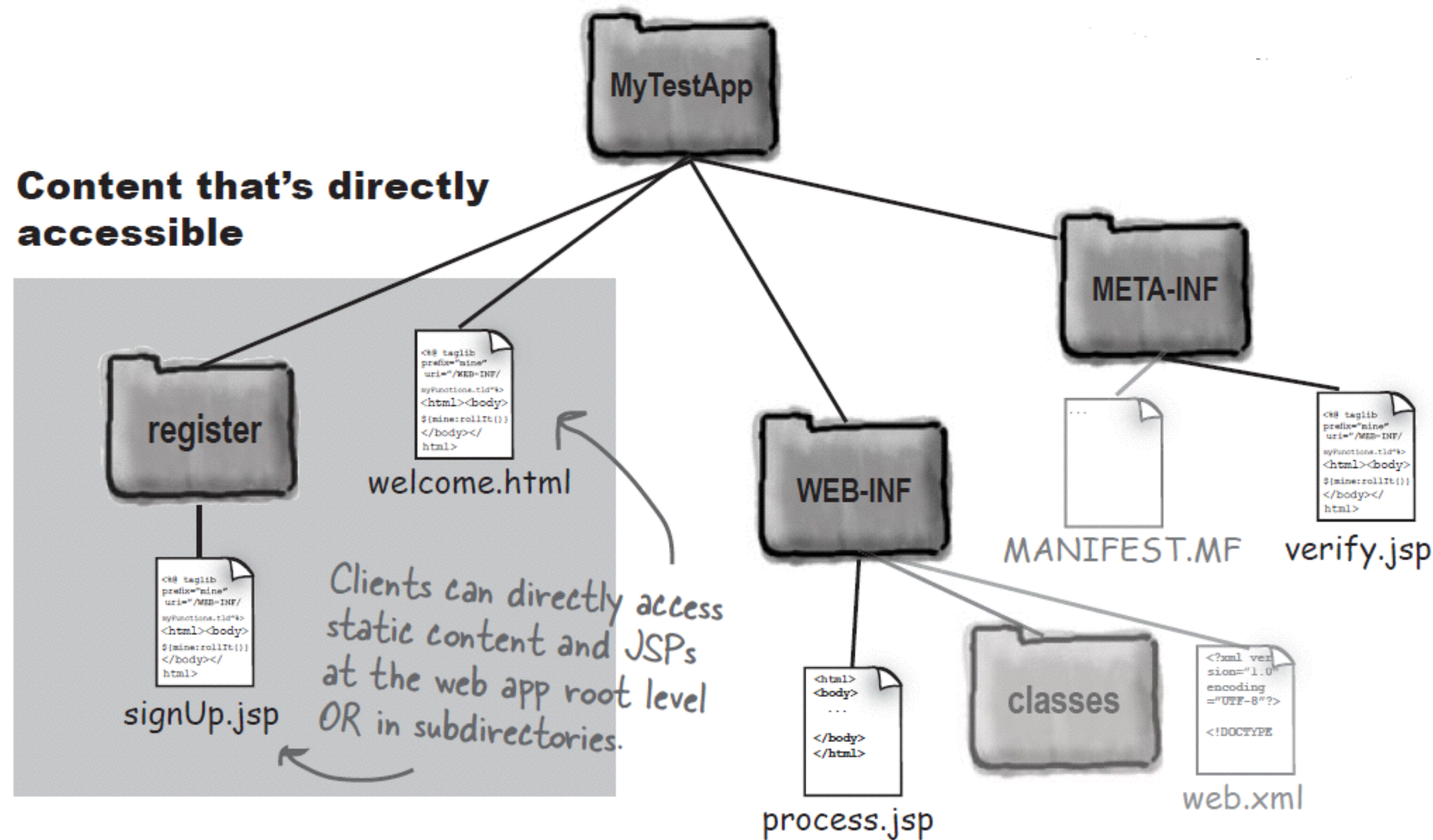


Valid request

`http://www.wickedlysmart.com/MyTestApp/register/signUp.jsp`

Invalid request (produces "404 Not Found" error)

`http://www.wickedlysmart.com/MyTestApp/WEB-INF/process.jsp`



Protecting via deployment

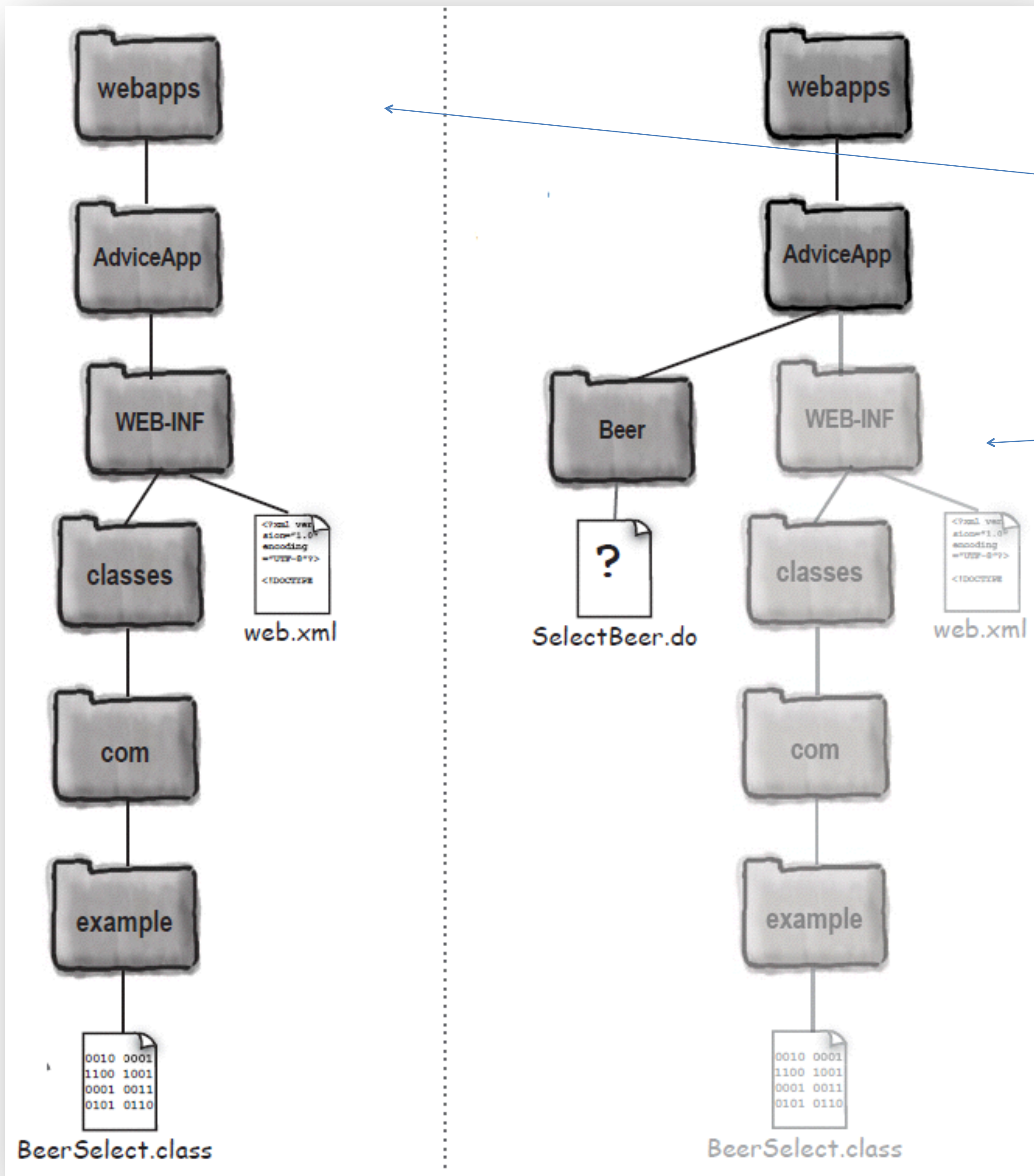
Accessing below WEB-INF & META-INF

```
<web-app xmlns="http://java.sun.com/xml/ns/j2ee"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://java.sun.com/xml/ns/j2ee/web-app_2_4.xsd"
  version="2.4">

  <servlet>
    <servlet-name>Beer</servlet-name>
    <servlet-class>com.example.BeerSelect</servlet-class>
  </servlet>

  <servlet-mapping>
    <servlet-name>Beer</servlet-name>
    <url-pattern>/Beer/SelectBeer.do</url-pattern>
  </servlet-mapping>

</web-app>
```



Actual
and virtual
directory
structure

Welcome files in the DD

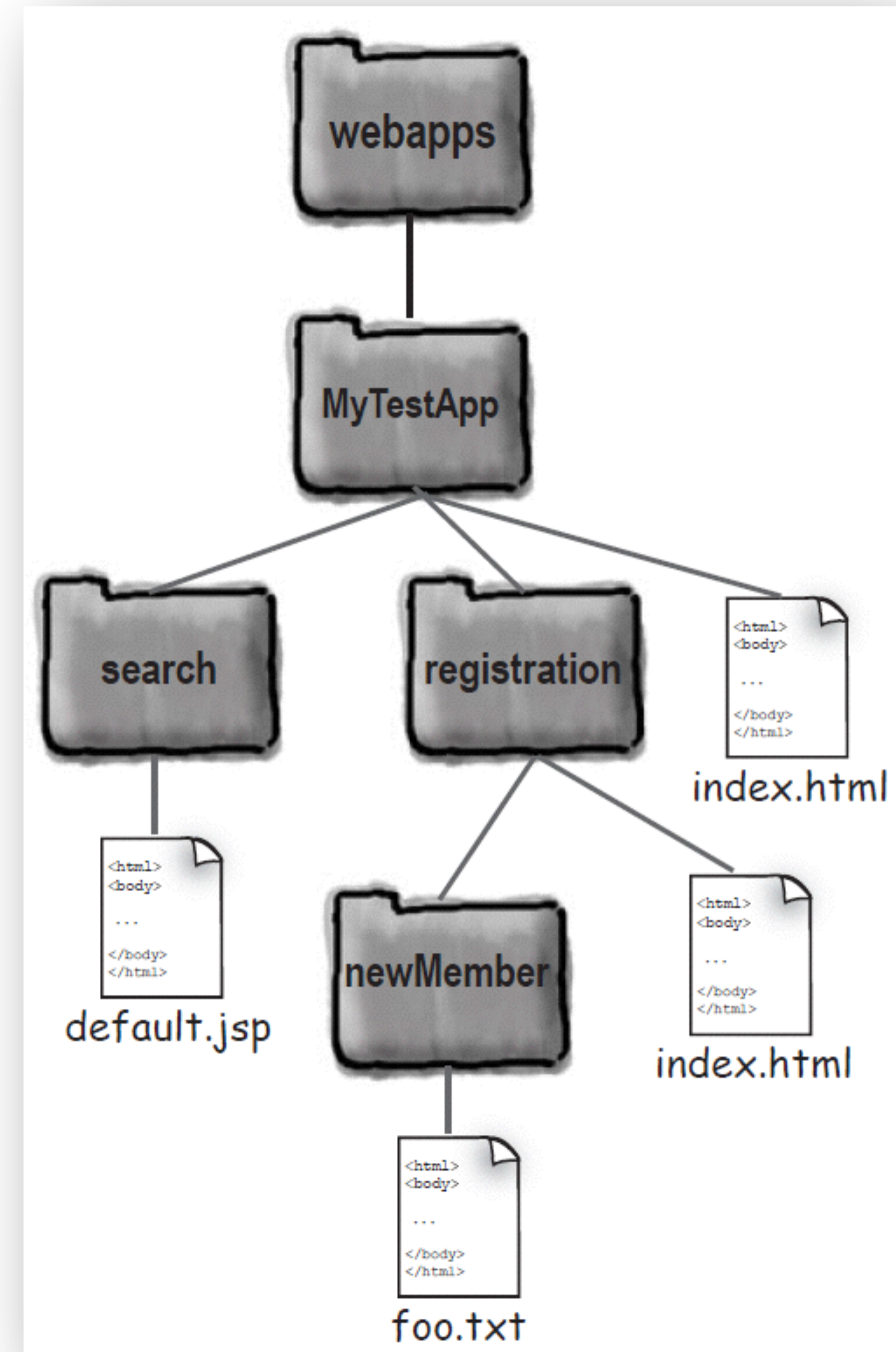
```
<web-app ...>
  <welcome-file-list>
    <welcome-file>index.html</welcome-file>
    <welcome-file>default.jsp</welcome-file>
  </welcome-file-list>
</web-app>
```

<http://localhost:8080/MyTestApp/>

<http://localhost:8080/MyTestApp/registration/>

<http://localhost:8080/MyTestApp/search/>

<http://localhost:8080/MyTestApp/registration/newMember/>



Error pages in the DD

```
<error-page>  
  <exception-type>java.lang.Throwable</exception-type>  
  <location>/errorPage.jsp</location>  
</error-page>
```

```
<error-page>  
  <exception-type>java.lang.ArithmeticException</exception-type>  
  <location>/arithmeticError.jsp</location>  
</error-page>
```

```
<error-page>  
  <error-code>404</error-code>  
  <location>/notFoundError.jsp</location>  
</error-page>
```

Servlet initialization in the DD

```
<servlet>  
  <servlet-name>KathyOne</servlet-name>  
  <servlet-class>foo.DeployTestOne</servlet-class>  
  <load-on-startup>1</load-on-startup>  
</servlet>
```

EJB-related DD tags

```
<ejb-local-ref>
```

```
  <ejb-ref-name>ejb/Customer</ejb-ref-name>
```

```
  <ejb-ref-type>Entity</ejb-ref-type>
```

```
  <local-home>com.wickedlysmart.CustomerHome</local-home>
```

```
  <local>com.wickedlysmart.Customer</local>
```

```
</ejb-local-ref>
```

```
<ejb-ref>
```

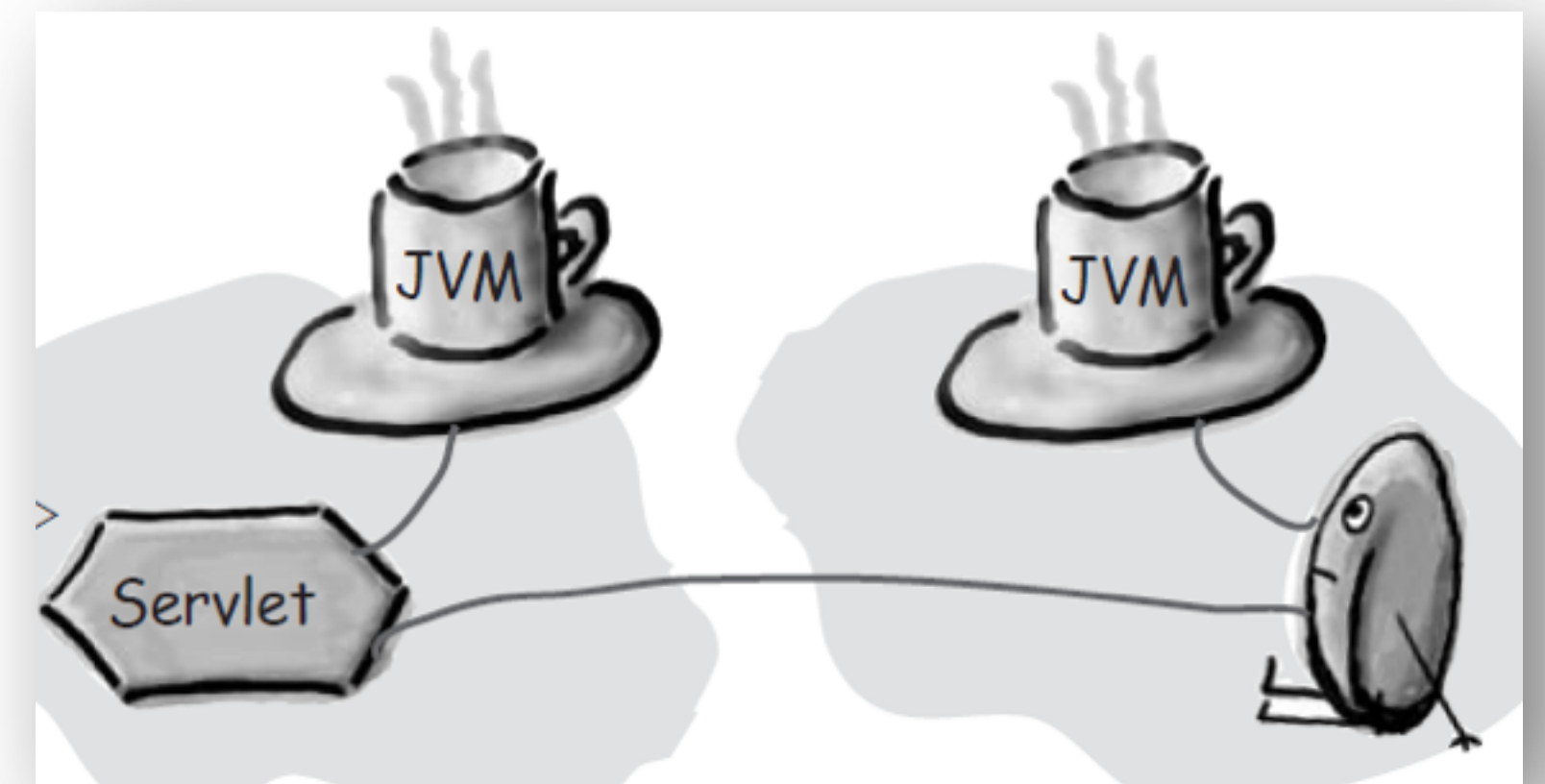
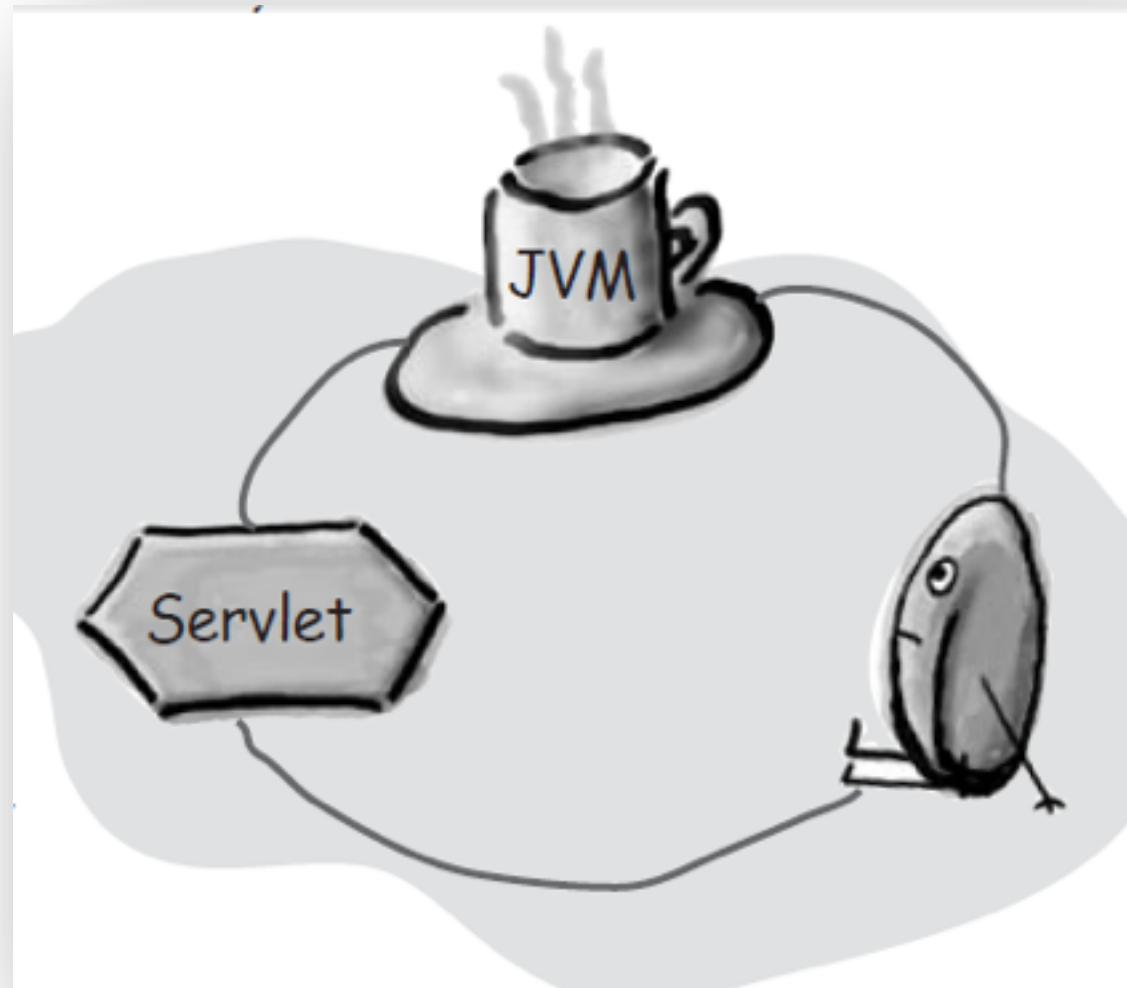
```
  <ejb-ref-name>ejb/LocalCustomer</ejb-ref-name>
```

```
  <ejb-ref-type>Entity</ejb-ref-type>
```

```
  <home>com.wickedlysmart.CustomerHome</home>
```

```
  <remote>com.wickedlysmart.Customer</remote>
```

```
</ejb-ref>
```



< mime-mapping > DD tag

```
<mime-mapping>  
  <extension>mpg</extension>  
  <mime-type>video/mpeg</mime-type>  
</mime-mapping>
```