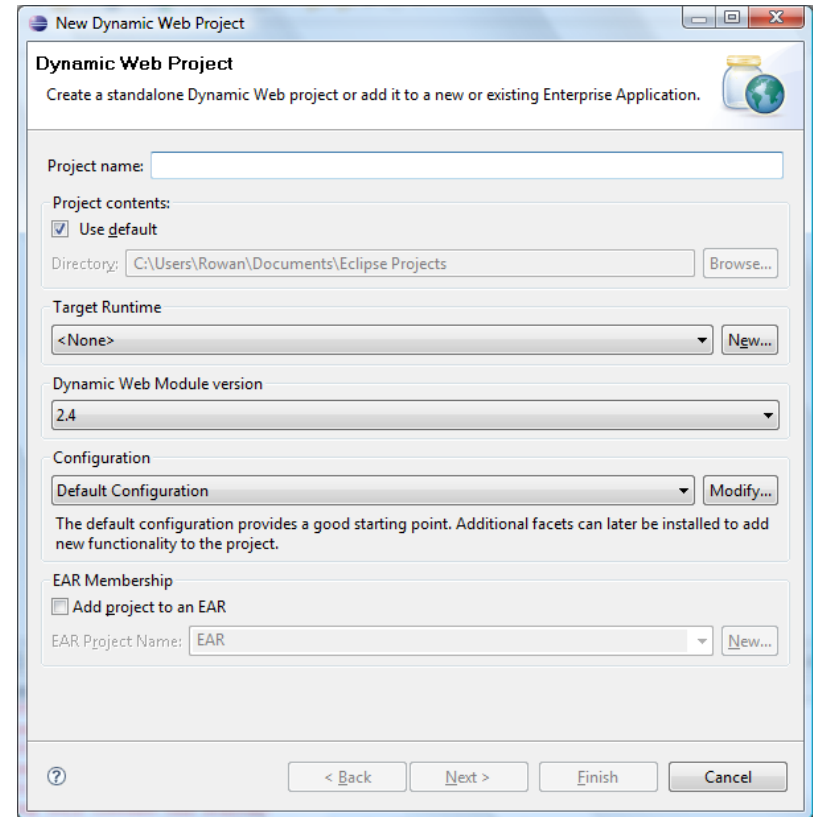# Web Applications in Eclipse
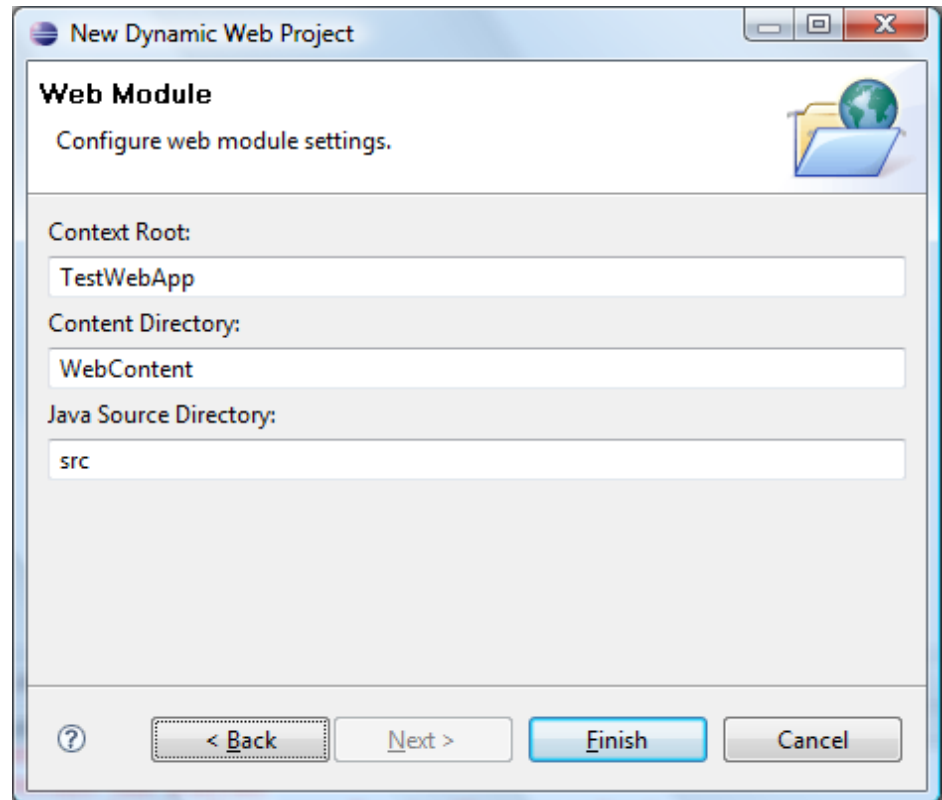
Dynamic Web Project Wizard

▸ This wizard will create a web app in Eclipse, which can be automatically deployed to a server
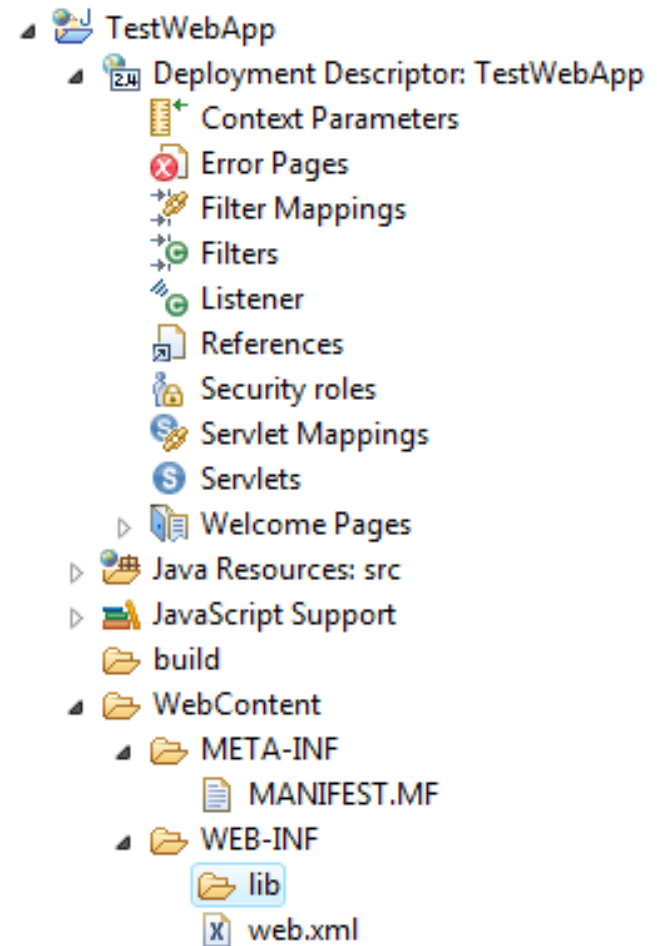
Dynamic Web Project Wizard

The context root is the base url for the web app on the server, e.g. localhost:8080/TestWebApp

EHSDI

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Dynamic Web Project Wizard

▸ The wizard automatically creates a suitable folder structure and a deployment descriptor

Servlet Wizard: Page 1

▸ Here we can specify the name and package of the servlet class

Servlet Wizard: Page 2

▸ Here we can specify the URL mapping for the servlet

Servlet Wizard: Page 3

▸ Here we can add stubs for the commonly used servlet methods, namely:

◦ `doGet`

◦ `doPost`

◦ `init`

◦ `destroy`

◦ `service`

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The Servlet API
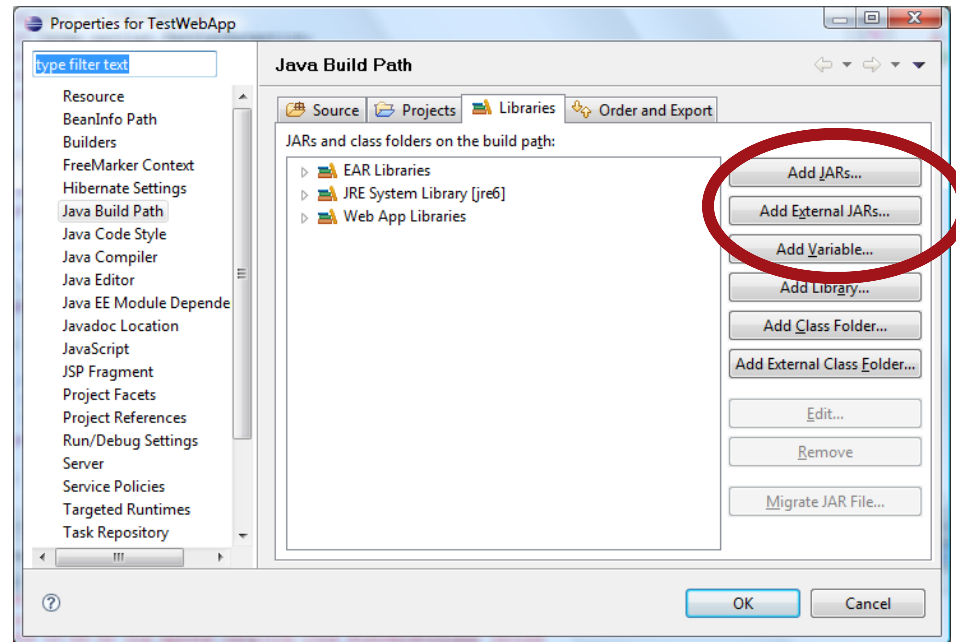
- The Java Servlet API uses the `javax.servlet.*` namespace
- It is not part of the standard Java JDK, so has to be added as an external JAR
- It is added to the *build path* as follows…
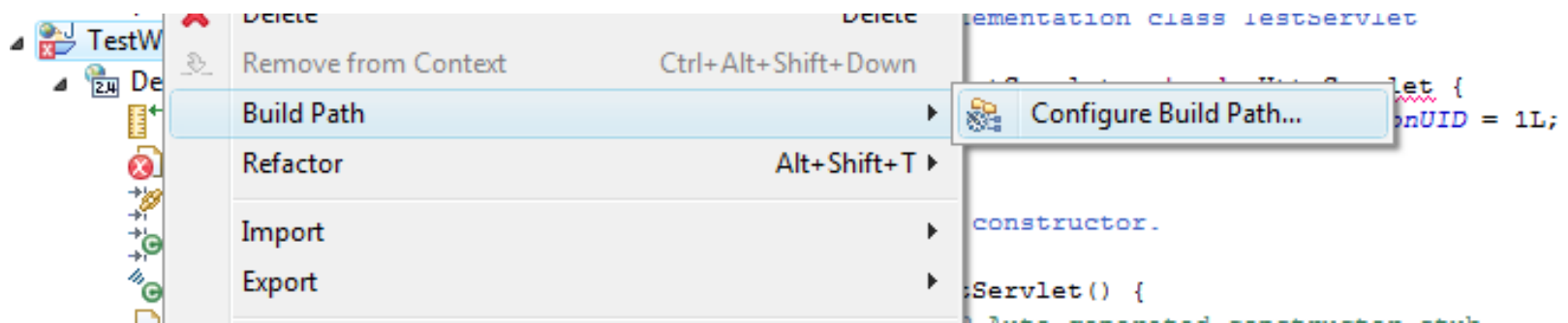
The Servlet API

▸ The servlet API JAR is vendor specific,

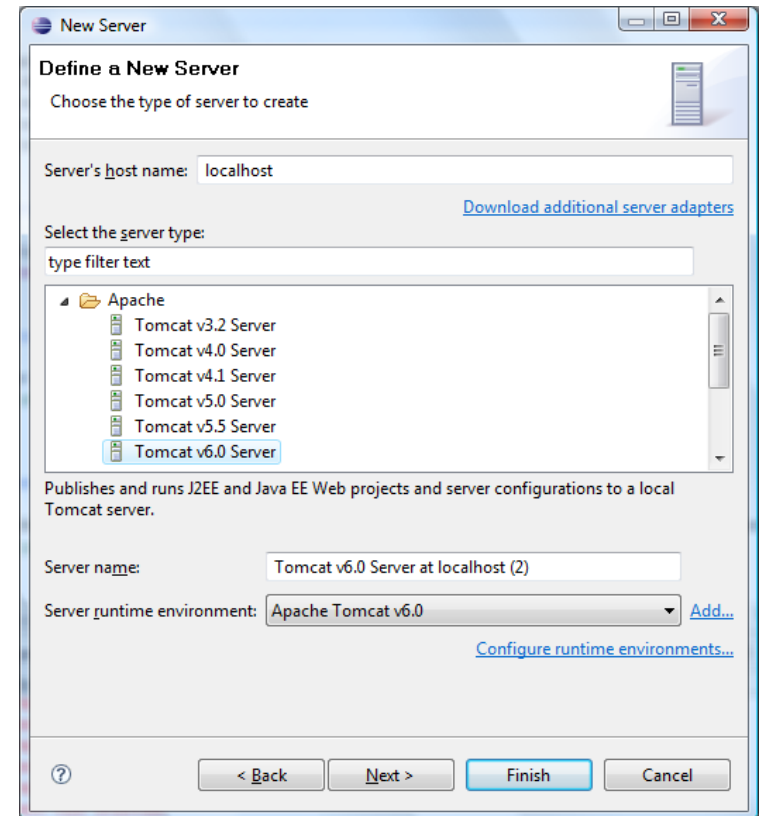i.e. a J2EE server such as Tomcat provides its own servlet API JAR

▸ Browse for

<tomcat home>/lib/servlet-api.jar

Running a Web App

- Eclipse can automatically deploy a web app to a J2EE server
- Choose *"Run on Server"* and Eclipse will display the *New Server* wizard
- Here you can add your Tomcat installation as a server configuration

WAR Files

▸ Eclipse can easily generate a WAR file from a web project...