>

<!--

\*\*\* GENERATED FROM project.xml - DO NOT EDIT \*\*\*

\*\*\* EDIT ../build.xml INSTEAD \*\*\*

For the purpose of easier reading the script

is divided into following sections:

- initialization

- compilation

- jar

- execution

- debugging

- javadoc

- test compilation

- test execution

- test debugging

- applet

- cleanup

-->

<project xmlns:j2seproject1="http://www.netbeans.org/ns/j2se-project/1" xmlns:j2seproject3="http://www.netbeans.org/ns/j2se-project/3" xmlns:jaxrpc="http://www.netbeans.org/ns/j2se-project/jax-rpc" basedir=".." default="default" name="ch03\_ex2\_TestScore-impl">

<fail message="Please build using Ant 1.8.0 or higher.">

<condition>

<not>

<antversion atleast="1.8.0"/>

</not>

</condition>

</fail>

<target depends="test,jar,javadoc" description="Build and test whole project." name="default"/>

<!--

======================

INITIALIZATION SECTION

======================

-->

<target name="-pre-init">

<!-- Empty placeholder for easier customization. -->

<!-- You can override this target in the ../build.xml file. -->

</target>

<target depends="-pre-init" name="-init-private">

<property file="nbproject/private/config.properties"/>

<property file="nbproject/private/configs/${config}.properties"/>

<property file="nbproject/private/private.properties"/>

</target>

<target depends="-pre-init,-init-private" name="-init-user">

<property file="${user.properties.file}"/>

<!-- The two properties below are usually overridden -->

<!-- by the active platform. Just a fallback. -->

<property name="default.javac.source" value="1.4"/>

<property name="default.javac.target" value="1.4"/>

</target>

<target depends="-pre-init,-init-private,-init-user" name="-init-project">

<property file="nbproject/configs/${config}.properties"/>

<property file="nbproject/project.properties"/>

</target>

<target depends="-pre-init,-init-private,-init-user,-init-project,-init-macrodef-property" name="-do-init">

<available file="${manifest.file}" property="manifest.available"/>

<condition property="splashscreen.available">

<and>

<not>

<equals arg1="${application.splash}" arg2="" trim="true"/>

</not>

<available file="${application.splash}"/>

</and>

</condition>

<condition property="main.class.available">

<and>

<isset property="main.class"/>

<not>

<equals arg1="${main.class}" arg2="" trim="true"/>

</not>

</and>

</condition>

<condition property="manifest.available+main.class">

<and>

<isset property="manifest.available"/>

<isset property="main.class.available"/>

</and>

</condition>

<condition property="do.archive">

<not>

<istrue value="${jar.archive.disabled}"/>

</not>

</condition>

<condition property="do.mkdist">

<and>

<isset property="do.archive"/>

<isset property="libs.CopyLibs.classpath"/>

<not>

<istrue value="${mkdist.disabled}"/>

</not>

</and>

</condition>

<condition property="manifest.available+main.class+mkdist.available">

<and>

<istrue value="${manifest.available+main.class}"/>

<isset property="do.mkdist"/>

</and>

</condition>

<condition property="do.archive+manifest.available">

<and>

<isset property="manifest.available"/>

<istrue value="${do.archive}"/>

</and>

</condition>

<condition property="do.archive+main.class.available">

<and>

<isset property="main.class.available"/>

<istrue value="${do.archive}"/>

</and>

</condition>

<condition property="do.archive+splashscreen.available">

<and>

<isset property="splashscreen.available"/>

<istrue value="${do.archive}"/>

</and>

</condition>

<condition property="do.archive+manifest.available+main.class">

<and>

<istrue value="${manifest.available+main.class}"/>

<istrue value="${do.archive}"/>

</and>

</condition>

<condition property="manifest.available-mkdist.available">

<or>

<istrue value="${manifest.available}"/>

<isset property="do.mkdist"/>

</or>

</condition>

<condition property="manifest.available+main.class-mkdist.available">

<or>

<istrue value="${manifest.available+main.class}"/>

<isset property="do.mkdist"/>

</or>

</condition>

<condition property="have.tests">

<or/>

</condition>

<condition property="have.sources">

<or>

<available file="${src.dir}"/>

</or>

</condition>

<condition property="netbeans.home+have.tests">

<and>

<isset property="netbeans.home"/>

<isset property="have.tests"/>

</and>

</condition>

<condition property="no.javadoc.preview">

<and>

<isset property="javadoc.preview"/>

<isfalse value="${javadoc.preview}"/>

</and>

</condition>

<property name="run.jvmargs" value=""/>

<property name="run.jvmargs.ide" value=""/>

<property name="javac.compilerargs" value=""/>

<property name="work.dir" value="${basedir}"/>

<condition property="no.deps">

<and>

<istrue value="${no.dependencies}"/>

</and>

</condition>

<property name="javac.debug" value="true"/>

<property name="javadoc.preview" value="true"/>

<property name="application.args" value=""/>

<property name="source.encoding" value="${file.encoding}"/>

<property name="runtime.encoding" value="${source.encoding}"/>

<condition property="javadoc.encoding.used" value="${javadoc.encoding}">

<and>

<isset property="javadoc.encoding"/>

<not>

<equals arg1="${javadoc.encoding}" arg2=""/>

</not>

</and>

</condition>

<property name="javadoc.encoding.used" value="${source.encoding}"/>

<property name="includes" value="\*\*"/>

<property name="excludes" value=""/>

<property name="do.depend" value="false"/>

<condition property="do.depend.true">

<istrue value="${do.depend}"/>

</condition>

<path id="endorsed.classpath.path" path="${endorsed.classpath}"/>

<condition else="" property="endorsed.classpath.cmd.line.arg" value="-Xbootclasspath/p:'${toString:endorsed.classpath.path}'">

<length length="0" string="${endorsed.classpath}" when="greater"/>

</condition>

<condition else="false" property="jdkBug6558476">

<and>

<matches pattern="1\.[56]" string="${java.specification.version}"/>

<not>

<os family="unix"/>

</not>

</and>

</condition>

<property name="javac.fork" value="${jdkBug6558476}"/>

<property name="jar.index" value="false"/>

<property name="jar.index.metainf" value="${jar.index}"/>

<property name="copylibs.rebase" value="true"/>

<available file="${meta.inf.dir}/persistence.xml" property="has.persistence.xml"/>

<condition property="junit.available">

<or>

<available classname="org.junit.Test" classpath="${run.test.classpath}"/>

<available classname="junit.framework.Test" classpath="${run.test.classpath}"/>

</or>

</condition>

<condition property="testng.available">

<available classname="org.testng.annotations.Test" classpath="${run.test.classpath}"/>

</condition>

<condition property="junit+testng.available">

<and>

<istrue value="${junit.available}"/>

<istrue value="${testng.available}"/>

</and>

</condition>

<condition else="testng" property="testng.mode" value="mixed">

<istrue value="${junit+testng.available}"/>

</condition>

<condition else="" property="testng.debug.mode" value="-mixed">

<istrue value="${junit+testng.available}"/>

</condition>

</target>

<target name="-post-init">

<!-- Empty placeholder for easier customization. -->

<!-- You can override this target in the ../build.xml file. -->

</target>

<target depends="-pre-init,-init-private,-init-user,-init-project,-do-init" name="-init-check">

<fail unless="src.dir">Must set src.dir</fail>

<fail unless="build.dir">Must set build.dir</fail>

<fail unless="dist.dir">Must set dist.dir</fail>

<fail unless="build.classes.dir">Must set build.classes.dir</fail>

<fail unless="dist.javadoc.dir">Must set dist.javadoc.dir</fail>

<fail unless="build.test.classes.dir">Must set build.test.classes.dir</fail>

<fail unless="build.test.results.dir">Must set build.test.results.dir</fail>

<fail unless="build.classes.excludes">Must set build.classes.excludes</fail>

<fail unless="dist.jar">Must set dist.jar</fail>

</target>

<target name="-init-macrodef-property">

<macrodef name="property" uri="http://www.netbeans.org/ns/j2se-project/1">

<attribute name="name"/>

<attribute name="value"/>

<sequential>

<property name="@{name}" value="${@{value}}"/>

</sequential>

</macrodef>

</target>

<target depends="-init-ap-cmdline-properties" if="ap.supported.internal" name="-init-macrodef-javac-with-processors">

<macrodef name="javac" uri="http://www.netbeans.org/ns/j2se-project/3">

<attribute default="${src.dir}" name="srcdir"/>

<attribute default="${build.classes.dir}" name="destdir"/>

<attribute default="${javac.classpath}" name="classpath"/>

<attribute default="${javac.processorpath}" name="processorpath"/>

<attribute default="${build.generated.sources.dir}/ap-source-output" name="apgeneratedsrcdir"/>

<attribute default="${includes}" name="includes"/>

<attribute default="${excludes}" name="excludes"/>

<attribute default="${javac.debug}" name="debug"/>

<attribute default="${empty.dir}" name="sourcepath"/>

<attribute default="${empty.dir}" name="gensrcdir"/>

<element name="customize" optional="true"/>

<sequential>

<property location="${build.dir}/empty" name="empty.dir"/>

<mkdir dir="${empty.dir}"/>

<mkdir dir="@{apgeneratedsrcdir}"/>

<javac debug="@{debug}" deprecation="${javac.deprecation}" destdir="@{destdir}" encoding="${source.encoding}" excludes="@{excludes}" fork="${javac.fork}" includeantruntime="false" includes="@{includes}" source="${javac.source}" sourcepath="@{sourcepath}" srcdir="@{srcdir}" target="${javac.target}" tempdir="${java.io.tmpdir}">

<src>

<dirset dir="@{gensrcdir}" erroronmissingdir="false">

<include name="\*"/>

</dirset>

</src>

<classpath>

<path path="@{classpath}"/>

</classpath>

<compilerarg line="${endorsed.classpath.cmd.line.arg}"/>

<compilerarg line="${javac.compilerargs}"/>

<compilerarg value="-processorpath"/>

<compilerarg path="@{processorpath}:${empty.dir}"/>

<compilerarg line="${ap.processors.internal}"/>

<compilerarg line="${annotation.processing.processor.options}"/>

<compilerarg value="-s"/>

<compilerarg path="@{apgeneratedsrcdir}"/>

<compilerarg line="${ap.proc.none.internal}"/>

<customize/>

</javac>

</sequential>

</macrodef>

</target>

<target depends="-init-ap-cmdline-properties" name="-init-macrodef-javac-without-processors" unless="ap.supported.internal">

<macrodef name="javac" uri="http://www.netbeans.org/ns/j2se-project/3">

<attribute default="${src.dir}" name="srcdir"/>

<attribute default="${build.classes.dir}" name="destdir"/>

<attribute default="${javac.classpath}" name="classpath"/>

<attribute default="${javac.processorpath}" name="processorpath"/>

<attribute default="${build.generated.sources.dir}/ap-source-output" name="apgeneratedsrcdir"/>

<attribute default="${includes}" name="includes"/>

<attribute default="${excludes}" name="excludes"/>

<attribute default="${javac.debug}" name="debug"/>

<attribute default="${empty.dir}" name="sourcepath"/>

<attribute default="${empty.dir}" name="gensrcdir"/>

<element name="customize" optional="true"/>

<sequential>

<property location="${build.dir}/empty" name="empty.dir"/>

<mkdir dir="${empty.dir}"/>

<javac debug="@{debug}" deprecation="${javac.deprecation}" destdir="@{destdir}" encoding="${source.encoding}" excludes="@{excludes}" fork="${javac.fork}" includeantruntime="false" includes="@{includes}" source="${javac.source}" sourcepath="@{sourcepath}" srcdir="@{srcdir}" target="${javac.target}" tempdir="${java.io.tmpdir}">

<src>

<dirset dir="@{gensrcdir}" erroronmissingdir="false">

<include name="\*"/>

</dirset>

</src>

<classpath>

<path path="@{classpath}"/>

</classpath>

<compilerarg line="${endorsed.classpath.cmd.line.arg}"/>

<compilerarg line="${javac.compilerargs}"/>

<customize/>

</javac>

</sequential>

</macrodef>

</target>

<target depends="-init-macrodef-javac-with-processors,-init-macrodef-javac-without-processors" name="-init-macrodef-javac">

<macrodef name="depend" uri="http://www.netbeans.org/ns/j2se-project/3">

<attribute default="${src.dir}" name="srcdir"/>

<attribute default="${build.classes.dir}" name="destdir"/>

<attribute default="${javac.classpath}" name="classpath"/>

<sequential>

<depend cache="${build.dir}/depcache" destdir="@{destdir}" excludes="${excludes}" includes="${includes}" srcdir="@{srcdir}">

<classpath>

<path path="@{classpath}"/>

</classpath>

</depend>

</sequential>

</macrodef>

<macrodef name="force-recompile" uri="http://www.netbeans.org/ns/j2se-project/3">

<attribute default="${build.classes.dir}" name="destdir"/>

<sequential>

<fail unless="javac.includes">Must set javac.includes</fail>

<pathconvert pathsep="${line.separator}" property="javac.includes.binary">

<path>

<filelist dir="@{destdir}" files="${javac.includes}"/>

</path>

<globmapper from="\*.java" to="\*.class"/>

</pathconvert>

<tempfile deleteonexit="true" property="javac.includesfile.binary"/>

<echo file="${javac.includesfile.binary}" message="${javac.includes.binary}"/>

<delete>

<files includesfile="${javac.includesfile.binary}"/>

</delete>

<delete>

<fileset file="${javac.includesfile.binary}"/>

</delete>

</sequential>

</macrodef>

</target>

<target if="${junit.available}" name="-init-macrodef-junit-init">

<condition else="false" property="nb.junit.batch" value="true">

<and>

<istrue value="${junit.available}"/>

<not>

<isset property="test.method"/>

</not>

</and>

</condition>

<condition else="false" property="nb.junit.single" value="true">

<and>

<istrue value="${junit.available}"/>

<isset property="test.method"/>

</and>

</condition>

</target>

<target if="${nb.junit.single}" name="-init-macrodef-junit-single" unless="${nb.junit.batch}">

<macrodef name="junit" uri="http://www.netbeans.org/ns/j2se-project/3">

<attribute default="${includes}" name="includes"/>

<attribute default="${excludes}" name="excludes"/>

<attribute default="\*\*" name="testincludes"/>

<attribute default="" name="testmethods"/>

<element name="customize" optional="true"/>

<sequential>

<property name="junit.forkmode" value="perTest"/>

<junit dir="${work.dir}" errorproperty="tests.failed" failureproperty="tests.failed" fork="true" forkmode="${junit.forkmode}" showoutput="true" tempdir="${build.dir}">

<test methods="@{testmethods}" name="@{testincludes}" todir="${build.test.results.dir}"/>

<syspropertyset>

<propertyref prefix="test-sys-prop."/>

<mapper from="test-sys-prop.\*" to="\*" type="glob"/>

</syspropertyset>

<formatter type="brief" usefile="false"/>

<formatter type="xml"/>

<jvmarg value="-ea"/>

<customize/>

</junit>

</sequential>

</macrodef>

</target>

<target if="${nb.junit.batch}" name="-init-macrodef-junit-batch" unless="${nb.junit.single}">

<macrodef name="junit" uri="http://www.netbeans.org/ns/j2se-project/3">

<attribute default="${includes}" name="includes"/>

<attribute default="${excludes}" name="excludes"/>

<attribute default="\*\*" name="testincludes"/>

<attribute default="" name="testmethods"/>

<element name="customize" optional="true"/>

<sequential>

<property name="junit.forkmode" value="perTest"/>

<junit dir="${work.dir}" errorproperty="tests.failed" failureproperty="tests.failed" fork="true" forkmode="${junit.forkmode}" showoutput="true" tempdir="${build.dir}">

<batchtest todir="${build.test.results.dir}"/>

<syspropertyset>

<propertyref prefix="test-sys-prop."/>

<mapper from="test-sys-prop.\*" to="\*" type="glob"/>

</syspropertyset>

<formatter type="brief" usefile="false"/>

<formatter type="xml"/>

<jvmarg value="-ea"/>

<customize/>

</junit>

</sequential>

</macrodef>

</target>

<target depends="-init-macrodef-junit-init,-init-macrodef-junit-single, -init-macrodef-junit-batch" if="${junit.available}" name="-init-macrodef-junit"/>

<target if="${testng.available}" name="-init-macrodef-testng">

<macrodef name="testng" uri="http://www.netbeans.org/ns/j2se-project/3">

<attribute default="${includes}" name="includes"/>

<attribute default="${excludes}" name="excludes"/>

<attribute default="\*\*" name="testincludes"/>

<attribute default="" name="testmethods"/>

<element name="customize" optional="true"/>

<sequential>

<condition else="" property="testng.methods.arg" value="@{testincludes}.@{testmethods}">

<isset property="test.method"/>

</condition>

<union id="test.set"/>

<taskdef classname="org.testng.TestNGAntTask" classpath="${run.test.classpath}" name="testng"/>

<testng classfilesetref="test.set" failureProperty="tests.failed" methods="${testng.methods.arg}" mode="${testng.mode}" outputdir="${build.test.results.dir}" suitename="ch03\_ex2\_TestScore" testname="TestNG tests" workingDir="${work.dir}">

<xmlfileset dir="${build.test.classes.dir}" includes="@{testincludes}"/>

<propertyset>

<propertyref prefix="test-sys-prop."/>

<mapper from="test-sys-prop.\*" to="\*" type="glob"/>

</propertyset>

<customize/>

</testng>

</sequential>

</macrodef>

</target>

<target name="-init-macrodef-test-impl">

<macrodef name="test-impl" uri="http://www.netbeans.org/ns/j2se-project/3">

<attribute default="${includes}" name="includes"/>

<attribute default="${excludes}" name="excludes"/>

<attribute default="\*\*" name="testincludes"/>

<attribute default="" name="testmethods"/>

<element implicit="true" name="customize" optional="true"/>

<sequential>

<echo>No tests executed.</echo>

</sequential>

</macrodef>

</target>

<target depends="-init-macrodef-junit" if="${junit.available}" name="-init-macrodef-junit-impl">

<macrodef name="test-impl" uri="http://www.netbeans.org/ns/j2se-project/3">

<attribute default="${includes}" name="includes"/>

<attribute default="${excludes}" name="excludes"/>

<attribute default="\*\*" name="testincludes"/>

<attribute default="" name="testmethods"/>

<element implicit="true" name="customize" optional="true"/>

<sequential>

<j2seproject3:junit excludes="@{excludes}" includes="@{includes}" testincludes="@{testincludes}" testmethods="@{testmethods}">

<customize/>

</j2seproject3:junit>

</sequential>

</macrodef>

</target>

<target depends="-init-macrodef-testng" if="${testng.available}" name="-init-macrodef-testng-impl">

<macrodef name="test-impl" uri="http://www.netbeans.org/ns/j2se-project/3">

<attribute default="${includes}" name="includes"/>

<attribute default="${excludes}" name="excludes"/>

<attribute default="\*\*" name="testincludes"/>

<attribute default="" name="testmethods"/>

<element implicit="true" name="customize" optional="true"/>

<sequential>

<j2seproject3:testng excludes="@{excludes}" includes="@{includes}" testincludes="@{testincludes}" testmethods="@{testmethods}">

<customize/>

</j2seproject3:testng>

</sequential>

</macrodef>

</target>

<target depends="-init-macrodef-test-impl,-init-macrodef-junit-impl,-init-macrodef-testng-impl" name="-init-macrodef-test">

<macrodef name="test" uri="http://www.netbeans.org/ns/j2se-project/3">

<attribute default="${includes}" name="includes"/>

<attribute default="${excludes}" name="excludes"/>

<attribute default="\*\*" name="testincludes"/>

<attribute default="" name="testmethods"/>

<sequential>

<j2seproject3:test-impl excludes="@{excludes}" includes="@{includes}" testincludes="@{testincludes}" testmethods="@{testmethods}">

<customize>

<classpath>

<path path="${run.test.classpath}"/>

</classpath>

<jvmarg line="${endorsed.classpath.cmd.line.arg}"/>

<jvmarg line="${run.jvmargs}"/>

<jvmarg line="${run.jvmargs.ide}"/>

</customize>

</j2seproject3:test-impl>

</sequential>

</macrodef>

</target>

<target if="${junit.available}" name="-init-macrodef-junit-debug" unless="${nb.junit.batch}">

<macrodef name="junit-debug" uri="http://www.netbeans.org/ns/j2se-project/3">

<attribute default="${includes}" name="includes"/>

<attribute default="${excludes}" name="excludes"/>

<attribute default="\*\*" name="testincludes"/>

<attribute default="" name="testmethods"/>

<element name="customize" optional="true"/>

<sequential>

<property name="junit.forkmode" value="perTest"/>

<junit dir="${work.dir}" errorproperty="tests.failed" failureproperty="tests.failed" fork="true" forkmode="${junit.forkmode}" showoutput="true" tempdir="${build.dir}">

<test methods="@{testmethods}" name="@{testincludes}" todir="${build.test.results.dir}"/>

<syspropertyset>

<propertyref prefix="test-sys-prop."/>

<mapper from="test-sys-prop.\*" to="\*" type="glob"/>

</syspropertyset>

<formatter type="brief" usefile="false"/>

<formatter type="xml"/>

<jvmarg value="-ea"/>

<jvmarg line="${debug-args-line}"/>

<jvmarg value="-Xrunjdwp:transport=${debug-transport},address=${jpda.address}"/>

<customize/>

</junit>

</sequential>

</macrodef>

</target>

<target if="${nb.junit.batch}" name="-init-macrodef-junit-debug-batch">

<macrodef name="junit-debug" uri="http://www.netbeans.org/ns/j2se-project/3">

<attribute default="${includes}" name="includes"/>

<attribute default="${excludes}" name="excludes"/>

<attribute default="\*\*" name="testincludes"/>

<attribute default="" name="testmethods"/>

<element name="customize" optional="true"/>

<sequential>

<property name="junit.forkmode" value="perTest"/>

<junit dir="${work.dir}" errorproperty="tests.failed" failureproperty="tests.failed" fork="true" forkmode="${junit.forkmode}" showoutput="true" tempdir="${build.dir}">

<batchtest todir="${build.test.results.dir}"/>

<syspropertyset>

<propertyref prefix="test-sys-prop."/>

<mapper from="test-sys-prop.\*" to="\*" type="glob"/>

</syspropertyset>

<formatter type="brief" usefile="false"/>

<formatter type="xml"/>

<jvmarg value="-ea"/>

<jvmarg line="${debug-args-line}"/>

<jvmarg value="-Xrunjdwp:transport=${debug-transport},address=${jpda.address}"/>

<customize/>

</junit>

</sequential>

</macrodef>

</target>

<target depends="-init-macrodef-junit-debug,-init-macrodef-junit-debug-batch" if="${junit.available}" name="-init-macrodef-junit-debug-impl">

<macrodef name="test-debug-impl" uri="http://www.netbeans.org/ns/j2se-project/3">

<attribute default="${includes}" name="includes"/>

<attribute default="${excludes}" name="excludes"/>

<attribute default="\*\*" name="testincludes"/>

<attribute default="" name="testmethods"/>

<element implicit="true" name="customize" optional="true"/>

<sequential>

<j2seproject3:junit-debug excludes="@{excludes}" includes="@{includes}" testincludes="@{testincludes}" testmethods="@{testmethods}">

<customize/>

</j2seproject3:junit-debug>

</sequential>

</macrodef>

</target>

<target if="${testng.available}" name="-init-macrodef-testng-debug">

<macrodef name="testng-debug" uri="http://www.netbeans.org/ns/j2se-project/3">

<attribute default="${main.class}" name="testClass"/>

<attribute default="" name="testMethod"/>

<element name="customize2" optional="true"/>

<sequential>

<condition else="-testclass @{testClass}" property="test.class.or.method" value="-methods @{testClass}.@{testMethod}">

<isset property="test.method"/>

</condition>

<condition else="-suitename ch03\_ex2\_TestScore -testname @{testClass} ${test.class.or.method}" property="testng.cmd.args" value="@{testClass}">

<matches pattern=".\*\.xml" string="@{testClass}"/>

</condition>

<delete dir="${build.test.results.dir}" quiet="true"/>

<mkdir dir="${build.test.results.dir}"/>

<j2seproject3:debug classname="org.testng.TestNG" classpath="${debug.test.classpath}">

<customize>

<customize2/>

<jvmarg value="-ea"/>

<arg line="${testng.debug.mode}"/>

<arg line="-d ${build.test.results.dir}"/>

<arg line="-listener org.testng.reporters.VerboseReporter"/>

<arg line="${testng.cmd.args}"/>

</customize>

</j2seproject3:debug>

</sequential>

</macrodef>

</target>

<target depends="-init-macrodef-testng-debug" if="${testng.available}" name="-init-macrodef-testng-debug-impl">

<macrodef name="testng-debug-impl" uri="http://www.netbeans.org/ns/j2se-project/3">

<attribute default="${main.class}" name="testClass"/>

<attribute default="" name="testMethod"/>

<element implicit="true" name="customize2" optional="true"/>

<sequential>

<j2seproject3:testng-debug testClass="@{testClass}" testMethod="@{testMethod}">

<customize2/>

</j2seproject3:testng-debug>

</sequential>

</macrodef>

</target>

<target depends="-init-macrodef-junit-debug-impl" if="${junit.available}" name="-init-macrodef-test-debug-junit">

<macrodef name="test-debug" uri="http://www.netbeans.org/ns/j2se-project/3">

<attribute default="${includes}" name="includes"/>

<attribute default="${excludes}" name="excludes"/>

<attribute default="\*\*" name="testincludes"/>

<attribute default="" name="testmethods"/>

<attribute default="${main.class}" name="testClass"/>

<attribute default="" name="testMethod"/>

<sequential>

<j2seproject3:test-debug-impl excludes="@{excludes}" includes="@{includes}" testincludes="@{testincludes}" testmethods="@{testmethods}">

<customize>

<classpath>

<path path="${run.test.classpath}"/>

</classpath>

<jvmarg line="${endorsed.classpath.cmd.line.arg}"/>

<jvmarg line="${run.jvmargs}"/>

<jvmarg line="${run.jvmargs.ide}"/>

</customize>

</j2seproject3:test-debug-impl>

</sequential>

</macrodef>

</target>

<target depends="-init-macrodef-testng-debug-impl" if="${testng.available}" name="-init-macrodef-test-debug-testng">

<macrodef name="test-debug" uri="http://www.netbeans.org/ns/j2se-project/3">

<attribute default="${includes}" name="includes"/>

<attribute default="${excludes}" name="excludes"/>

<attribute default="\*\*" name="testincludes"/>

<attribute default="" name="testmethods"/>

<attribute default="${main.class}" name="testClass"/>

<attribute default="" name="testMethod"/>

<sequential>

<j2seproject3:testng-debug-impl testClass="@{testClass}" testMethod="@{testMethod}">

<customize2>

<syspropertyset>

<propertyref prefix="test-sys-prop."/>

<mapper from="test-sys-prop.\*" to="\*" type="glob"/>

</syspropertyset>

</customize2>

</j2seproject3:testng-debug-impl>

</sequential>

</macrodef>

</target>

<target depends="-init-macrodef-test-debug-junit,-init-macrodef-test-debug-testng" name="-init-macrodef-test-debug"/>

<!--

pre NB7.2 profiling section; consider it deprecated

-->

<target depends="-profile-pre-init, init, -profile-post-init, -profile-init-macrodef-profile, -profile-init-check" if="profiler.info.jvmargs.agent" name="profile-init"/>

<target if="profiler.info.jvmargs.agent" name="-profile-pre-init">

<!-- Empty placeholder for easier customization. -->

<!-- You can override this target in the ../build.xml file. -->

</target>

<target if="profiler.info.jvmargs.agent" name="-profile-post-init">

<!-- Empty placeholder for easier customization. -->

<!-- You can override this target in the ../build.xml file. -->

</target>

<target if="profiler.info.jvmargs.agent" name="-profile-init-macrodef-profile">

<macrodef name="resolve">

<attribute name="name"/>

<attribute name="value"/>

<sequential>

<property name="@{name}" value="${env.@{value}}"/>

</sequential>

</macrodef>

<macrodef name="profile">

<attribute default="${main.class}" name="classname"/>

<element name="customize" optional="true"/>

<sequential>

<property environment="env"/>

<resolve name="profiler.current.path" value="${profiler.info.pathvar}"/>

<java classname="@{classname}" dir="${profiler.info.dir}" fork="true" jvm="${profiler.info.jvm}">

<jvmarg line="${endorsed.classpath.cmd.line.arg}"/>

<jvmarg value="${profiler.info.jvmargs.agent}"/>

<jvmarg line="${profiler.info.jvmargs}"/>

<env key="${profiler.info.pathvar}" path="${profiler.info.agentpath}:${profiler.current.path}"/>

<arg line="${application.args}"/>

<classpath>

<path path="${run.classpath}"/>

</classpath>

<syspropertyset>

<propertyref prefix="run-sys-prop."/>

<mapper from="run-sys-prop.\*" to="\*" type="glob"/>

</syspropertyset>

<customize/>

</java>

</sequential>

</macrodef>

</target>

<target depends="-profile-pre-init, init, -profile-post-init, -profile-init-macrodef-profile" if="profiler.info.jvmargs.agent" name="-profile-init-check">

<fail unless="profiler.info.jvm">Must set JVM to use for profiling in profiler.info.jvm</fail>

<fail unless="profiler.info.jvmargs.agent">Must set profiler agent JVM arguments in profiler.info.jvmargs.agent</fail>

</target>

<!--

end of pre NB7.2 profiling section

-->

<target depends="-init-debug-args" name="-init-macrodef-nbjpda">

<macrodef name="nbjpdastart" uri="http://www.netbeans.org/ns/j2se-project/1">

<attribute default="${main.class}" name="name"/>

<attribute default="${debug.classpath}" name="classpath"/>

<attribute default="" name="stopclassname"/>

<sequential>

<nbjpdastart addressproperty="jpda.address" name="@{name}" stopclassname="@{stopclassname}" transport="${debug-transport}">

<classpath>

<path path="@{classpath}"/>

</classpath>

</nbjpdastart>

</sequential>

</macrodef>

<macrodef name="nbjpdareload" uri="http://www.netbeans.org/ns/j2se-project/1">

<attribute default="${build.classes.dir}" name="dir"/>

<sequential>

<nbjpdareload>

<fileset dir="@{dir}" includes="${fix.classes}">

<include name="${fix.includes}\*.class"/>

</fileset>

</nbjpdareload>

</sequential>

</macrodef>

</target>

<target name="-init-debug-args">

<property name="version-output" value="java version &quot;${ant.java.version}"/>

<condition property="have-jdk-older-than-1.4">

<or>

<contains string="${version-output}" substring="java version &quot;1.0"/>

<contains string="${version-output}" substring="java version &quot;1.1"/>

<contains string="${version-output}" substring="java version &quot;1.2"/>

<contains string="${version-output}" substring="java version &quot;1.3"/>

</or>

</condition>

<condition else="-Xdebug" property="debug-args-line" value="-Xdebug -Xnoagent -Djava.compiler=none">

<istrue value="${have-jdk-older-than-1.4}"/>

</condition>

<condition else="dt\_socket" property="debug-transport-by-os" value="dt\_shmem">

<os family="windows"/>

</condition>

<condition else="${debug-transport-by-os}" property="debug-transport" value="${debug.transport}">

<isset property="debug.transport"/>

</condition>

</target>

<target depends="-init-debug-args" name="-init-macrodef-debug">

<macrodef name="debug" uri="http://www.netbeans.org/ns/j2se-project/3">

<attribute default="${main.class}" name="classname"/>

<attribute default="${debug.classpath}" name="classpath"/>

<element name="customize" optional="true"/>

<sequential>

<java classname="@{classname}" dir="${work.dir}" fork="true">

<jvmarg line="${endorsed.classpath.cmd.line.arg}"/>

<jvmarg line="${debug-args-line}"/>

<jvmarg value="-Xrunjdwp:transport=${debug-transport},address=${jpda.address}"/>

<jvmarg value="-Dfile.encoding=${runtime.encoding}"/>

<redirector errorencoding="${runtime.encoding}" inputencoding="${runtime.encoding}" outputencoding="${runtime.encoding}"/>

<jvmarg line="${run.jvmargs}"/>

<jvmarg line="${run.jvmargs.ide}"/>

<classpath>

<path path="@{classpath}"/>

</classpath>

<syspropertyset>

<propertyref prefix="run-sys-prop."/>

<mapper from="run-sys-prop.\*" to="\*" type="glob"/>

</syspropertyset>

<customize/>

</java>

</sequential>

</macrodef>

</target>

<target name="-init-macrodef-java">

<macrodef name="java" uri="http://www.netbeans.org/ns/j2se-project/1">

<attribute default="${main.class}" name="classname"/>

<attribute default="${run.classpath}" name="classpath"/>

<attribute default="jvm" name="jvm"/>

<element name="customize" optional="true"/>

<sequential>

<java classname="@{classname}" dir="${work.dir}" fork="true">

<jvmarg line="${endorsed.classpath.cmd.line.arg}"/>

<jvmarg value="-Dfile.encoding=${runtime.encoding}"/>

<redirector errorencoding="${runtime.encoding}" inputencoding="${runtime.encoding}" outputencoding="${runtime.encoding}"/>

<jvmarg line="${run.jvmargs}"/>

<jvmarg line="${run.jvmargs.ide}"/>

<classpath>

<path path="@{classpath}"/>

</classpath>

<syspropertyset>

<propertyref prefix="run-sys-prop."/>

<mapper from="run-sys-prop.\*" to="\*" type="glob"/>

</syspropertyset>

<customize/>

</java>

</sequential>

</macrodef>

</target>

<target name="-init-macrodef-copylibs">

<macrodef name="copylibs" uri="http://www.netbeans.org/ns/j2se-project/3">

<attribute default="${manifest.file}" name="manifest"/>

<element name="customize" optional="true"/>

<sequential>

<property location="${build.classes.dir}" name="build.classes.dir.resolved"/>

<pathconvert property="run.classpath.without.build.classes.dir">

<path path="${run.classpath}"/>

<map from="${build.classes.dir.resolved}" to=""/>

</pathconvert>

<pathconvert pathsep=" " property="jar.classpath">

<path path="${run.classpath.without.build.classes.dir}"/>

<chainedmapper>

<flattenmapper/>

<filtermapper>

<replacestring from=" " to="%20"/>

</filtermapper>

<globmapper from="\*" to="lib/\*"/>

</chainedmapper>

</pathconvert>

<taskdef classname="org.netbeans.modules.java.j2seproject.copylibstask.CopyLibs" classpath="${libs.CopyLibs.classpath}" name="copylibs"/>

<copylibs compress="${jar.compress}" index="${jar.index}" indexMetaInf="${jar.index.metainf}" jarfile="${dist.jar}" manifest="@{manifest}" rebase="${copylibs.rebase}" runtimeclasspath="${run.classpath.without.build.classes.dir}">

<fileset dir="${build.classes.dir}"/>

<manifest>

<attribute name="Class-Path" value="${jar.classpath}"/>

<customize/>

</manifest>

</copylibs>

</sequential>

</macrodef>

</target>

<target name="-init-presetdef-jar">

<presetdef name="jar" uri="http://www.netbeans.org/ns/j2se-project/1">

<jar compress="${jar.compress}" index="${jar.index}" jarfile="${dist.jar}">

<j2seproject1:fileset dir="${build.classes.dir}"/>

</jar>

</presetdef>

</target>

<target name="-init-ap-cmdline-properties">

<property name="annotation.processing.enabled" value="true"/>

<property name="annotation.processing.processors.list" value=""/>

<property name="annotation.processing.processor.options" value=""/>

<property name="annotation.processing.run.all.processors" value="true"/>

<property name="javac.processorpath" value="${javac.classpath}"/>

<property name="javac.test.processorpath" value="${javac.test.classpath}"/>

<condition property="ap.supported.internal" value="true">

<not>

<matches pattern="1\.[0-5](\..\*)?" string="${javac.source}"/>

</not>

</condition>

</target>

<target depends="-init-ap-cmdline-properties" if="ap.supported.internal" name="-init-ap-cmdline-supported">

<condition else="" property="ap.processors.internal" value="-processor ${annotation.processing.processors.list}">

<isfalse value="${annotation.processing.run.all.processors}"/>

</condition>

<condition else="" property="ap.proc.none.internal" value="-proc:none">

<isfalse value="${annotation.processing.enabled}"/>

</condition>

</target>

<target depends="-init-ap-cmdline-properties,-init-ap-cmdline-supported" name="-init-ap-cmdline">

<property name="ap.cmd.line.internal" value=""/>

</target>

<target depends="-pre-init,-init-private,-init-user,-init-project,-do-init,-post-init,-init-check,-init-macrodef-property,-init-macrodef-javac,-init-macrodef-test,-init-macrodef-test-debug,-init-macrodef-nbjpda,-init-macrodef-debug,-init-macrodef-java,-init-presetdef-jar,-init-ap-cmdline" name="init"/>

<!--

===================

COMPILATION SECTION

===================

-->

<target name="-deps-jar-init" unless="built-jar.properties">

<property location="${build.dir}/built-jar.properties" name="built-jar.properties"/>

<delete file="${built-jar.properties}" quiet="true"/>

</target>

<target if="already.built.jar.${basedir}" name="-warn-already-built-jar">

<echo level="warn" message="Cycle detected: ch03\_ex2\_TestScore was already built"/>

</target>

<target depends="init,-deps-jar-init" name="deps-jar" unless="no.deps">

<mkdir dir="${build.dir}"/>

<touch file="${built-jar.properties}" verbose="false"/>

<property file="${built-jar.properties}" prefix="already.built.jar."/>

<antcall target="-warn-already-built-jar"/>

<propertyfile file="${built-jar.properties}">

<entry key="${basedir}" value=""/>

</propertyfile>

</target>

<target depends="init,-check-automatic-build,-clean-after-automatic-build" name="-verify-automatic-build"/>

<target depends="init" name="-check-automatic-build">

<available file="${build.classes.dir}/.netbeans\_automatic\_build" property="netbeans.automatic.build"/>

</target>

<target depends="init" if="netbeans.automatic.build" name="-clean-after-automatic-build">

<antcall target="clean"/>

</target>

<target depends="init,deps-jar" name="-pre-pre-compile">

<mkdir dir="${build.classes.dir}"/>

</target>

<target name="-pre-compile">

<!-- Empty placeholder for easier customization. -->

<!-- You can override this target in the ../build.xml file. -->

</target>

<target if="do.depend.true" name="-compile-depend">

<pathconvert property="build.generated.subdirs">

<dirset dir="${build.generated.sources.dir}" erroronmissingdir="false">

<include name="\*"/>

</dirset>

</pathconvert>

<j2seproject3:depend srcdir="${src.dir}:${build.generated.subdirs}"/>

</target>

<target depends="init,deps-jar,-pre-pre-compile,-pre-compile, -copy-persistence-xml,-compile-depend" if="have.sources" name="-do-compile">

<j2seproject3:javac gensrcdir="${build.generated.sources.dir}"/>

<copy todir="${build.classes.dir}">

<fileset dir="${src.dir}" excludes="${build.classes.excludes},${excludes}" includes="${includes}"/>

</copy>

</target>

<target if="has.persistence.xml" name="-copy-persistence-xml">

<mkdir dir="${build.classes.dir}/META-INF"/>

<copy todir="${build.classes.dir}/META-INF">

<fileset dir="${meta.inf.dir}" includes="persistence.xml"/>

</copy>

</target>

<target name="-post-compile">

<!-- Empty placeholder for easier customization. -->

<!-- You can override this target in the ../build.xml file. -->

</target>

<target depends="init,deps-jar,-verify-automatic-build,-pre-pre-compile,-pre-compile,-do-compile,-post-compile" description="Compile project." name="compile"/>

<target name="-pre-compile-single">

<!-- Empty placeholder for easier customization. -->

<!-- You can override this target in the ../build.xml file. -->

</target>

<target depends="init,deps-jar,-pre-pre-compile" name="-do-compile-single">

<fail unless="javac.includes">Must select some files in the IDE or set javac.includes</fail>

<j2seproject3:force-recompile/>

<j2seproject3:javac excludes="" gensrcdir="${build.generated.sources.dir}" includes="${javac.includes}" sourcepath="${src.dir}"/>

</target>

<target name="-post-compile-single">

<!-- Empty placeholder for easier customization. -->

<!-- You can override this target in the ../build.xml file. -->

</target>

<target depends="init,deps-jar,-verify-automatic-build,-pre-pre-compile,-pre-compile-single,-do-compile-single,-post-compile-single" name="compile-single"/>

<!--

====================

JAR BUILDING SECTION

====================

-->

<target depends="init" name="-pre-pre-jar">

<dirname file="${dist.jar}" property="dist.jar.dir"/>

<mkdir dir="${dist.jar.dir}"/>

</target>

<target name="-pre-jar">

<!-- Empty placeholder for easier customization. -->

<!-- You can override this target in the ../build.xml file. -->

</target>

<target depends="init,compile,-pre-pre-jar,-pre-jar" if="do.archive" name="-do-jar-without-manifest" unless="manifest.available-mkdist.available">

<j2seproject1:jar/>

</target>

<target depends="init,compile,-pre-pre-jar,-pre-jar" if="do.archive+manifest.available" name="-do-jar-with-manifest" unless="manifest.available+main.class-mkdist.available">

<j2seproject1:jar manifest="${manifest.file}"/>

</target>

<target depends="init,compile,-pre-pre-jar,-pre-jar" if="do.archive+manifest.available+main.class" name="-do-jar-with-mainclass" unless="manifest.available+main.class+mkdist.available">

<j2seproject1:jar manifest="${manifest.file}">

<j2seproject1:manifest>

<j2seproject1:attribute name="Main-Class" value="${main.class}"/>

</j2seproject1:manifest>

</j2seproject1:jar>

<echo level="info">To run this application from the command line without Ant, try:</echo>

<property location="${build.classes.dir}" name="build.classes.dir.resolved"/>

<property location="${dist.jar}" name="dist.jar.resolved"/>

<pathconvert property="run.classpath.with.dist.jar">

<path path="${run.classpath}"/>

<map from="${build.classes.dir.resolved}" to="${dist.jar.resolved}"/>

</pathconvert>

<echo level="info">java -cp "${run.classpath.with.dist.jar}" ${main.class}</echo>

</target>

<target depends="init" if="do.archive" name="-do-jar-with-libraries-create-manifest" unless="manifest.available">

<tempfile deleteonexit="true" destdir="${build.dir}" property="tmp.manifest.file"/>

<touch file="${tmp.manifest.file}" verbose="false"/>

</target>

<target depends="init" if="do.archive+manifest.available" name="-do-jar-with-libraries-copy-manifest">

<tempfile deleteonexit="true" destdir="${build.dir}" property="tmp.manifest.file"/>

<copy file="${manifest.file}" tofile="${tmp.manifest.file}"/>

</target>

<target depends="init,-do-jar-with-libraries-create-manifest,-do-jar-with-libraries-copy-manifest" if="do.archive+main.class.available" name="-do-jar-with-libraries-set-main">

<manifest file="${tmp.manifest.file}" mode="update">

<attribute name="Main-Class" value="${main.class}"/>

</manifest>

</target>

<target depends="init,-do-jar-with-libraries-create-manifest,-do-jar-with-libraries-copy-manifest" if="do.archive+splashscreen.available" name="-do-jar-with-libraries-set-splashscreen">

<basename file="${application.splash}" property="splashscreen.basename"/>

<mkdir dir="${build.classes.dir}/META-INF"/>

<copy failonerror="false" file="${application.splash}" todir="${build.classes.dir}/META-INF"/>

<manifest file="${tmp.manifest.file}" mode="update">

<attribute name="SplashScreen-Image" value="META-INF/${splashscreen.basename}"/>

</manifest>

</target>

<target depends="init,-init-macrodef-copylibs,compile,-pre-pre-jar,-pre-jar,-do-jar-with-libraries-create-manifest,-do-jar-with-libraries-copy-manifest,-do-jar-with-libraries-set-main,-do-jar-with-libraries-set-splashscreen" if="do.mkdist" name="-do-jar-with-libraries-pack">

<j2seproject3:copylibs manifest="${tmp.manifest.file}"/>

<echo level="info">To run this application from the command line without Ant, try:</echo>

<property location="${dist.jar}" name="dist.jar.resolved"/>

<echo level="info">java -jar "${dist.jar.resolved}"</echo>

</target>

<target depends="-do-jar-with-libraries-pack" if="do.archive" name="-do-jar-with-libraries-delete-manifest">

<delete>

<fileset file="${tmp.manifest.file}"/>

</delete>

</target>

<target depends="init,compile,-pre-pre-jar,-pre-jar,-do-jar-with-libraries-create-manifest,-do-jar-with-libraries-copy-manifest,-do-jar-with-libraries-set-main,-do-jar-with-libraries-set-splashscreen,-do-jar-with-libraries-pack,-do-jar-with-libraries-delete-manifest" name="-do-jar-with-libraries"/>

<target name="-post-jar">

<!-- Empty placeholder for easier customization. -->

<!-- You can override this target in the ../build.xml file. -->

</target>

<target depends="init,compile,-pre-jar,-do-jar-with-manifest,-do-jar-without-manifest,-do-jar-with-mainclass,-do-jar-with-libraries,-post-jar" description="Build JAR." name="jar"/>

<!--

=================

EXECUTION SECTION

=================

-->

<target depends="init,compile" description="Run a main class." name="run">

<j2seproject1:java>

<customize>

<arg line="${application.args}"/>

</customize>

</j2seproject1:java>

</target>

<target name="-do-not-recompile">

<property name="javac.includes.binary" value=""/>

</target>

<target depends="init,compile-single" name="run-single">

<fail unless="run.class">Must select one file in the IDE or set run.class</fail>

<j2seproject1:java classname="${run.class}"/>

</target>

<target depends="init,compile-test-single" name="run-test-with-main">

<fail unless="run.class">Must select one file in the IDE or set run.class</fail>

<j2seproject1:java classname="${run.class}" classpath="${run.test.classpath}"/>

</target>

<!--

=================

DEBUGGING SECTION

=================

-->

<target depends="init" if="netbeans.home" name="-debug-start-debugger">

<j2seproject1:nbjpdastart name="${debug.class}"/>

</target>

<target depends="init" if="netbeans.home" name="-debug-start-debugger-main-test">

<j2seproject1:nbjpdastart classpath="${debug.test.classpath}" name="${debug.class}"/>

</target>

<target depends="init,compile" name="-debug-start-debuggee">

<j2seproject3:debug>

<customize>

<arg line="${application.args}"/>

</customize>

</j2seproject3:debug>

</target>

<target depends="init,compile,-debug-start-debugger,-debug-start-debuggee" description="Debug project in IDE." if="netbeans.home" name="debug"/>

<target depends="init" if="netbeans.home" name="-debug-start-debugger-stepinto">

<j2seproject1:nbjpdastart stopclassname="${main.class}"/>

</target>

<target depends="init,compile,-debug-start-debugger-stepinto,-debug-start-debuggee" if="netbeans.home" name="debug-stepinto"/>

<target depends="init,compile-single" if="netbeans.home" name="-debug-start-debuggee-single">

<fail unless="debug.class">Must select one file in the IDE or set debug.class</fail>

<j2seproject3:debug classname="${debug.class}"/>

</target>

<target depends="init,compile-single,-debug-start-debugger,-debug-start-debuggee-single" if="netbeans.home" name="debug-single"/>

<target depends="init,compile-test-single" if="netbeans.home" name="-debug-start-debuggee-main-test">

<fail unless="debug.class">Must select one file in the IDE or set debug.class</fail>

<j2seproject3:debug classname="${debug.class}" classpath="${debug.test.classpath}"/>

</target>

<target depends="init,compile-test-single,-debug-start-debugger-main-test,-debug-start-debuggee-main-test" if="netbeans.home" name="debug-test-with-main"/>

<target depends="init" name="-pre-debug-fix">

<fail unless="fix.includes">Must set fix.includes</fail>

<property name="javac.includes" value="${fix.includes}.java"/>

</target>

<target depends="init,-pre-debug-fix,compile-single" if="netbeans.home" name="-do-debug-fix">

<j2seproject1:nbjpdareload/>

</target>

<target depends="init,-pre-debug-fix,-do-debug-fix" if="netbeans.home" name="debug-fix"/>

<!--

=================

PROFILING SECTION

=================

-->

<!--

pre NB7.2 profiler integration

-->

<target depends="profile-init,compile" description="Profile a project in the IDE." if="profiler.info.jvmargs.agent" name="-profile-pre72">

<fail unless="netbeans.home">This target only works when run from inside the NetBeans IDE.</fail>

<nbprofiledirect>

<classpath>

<path path="${run.classpath}"/>

</classpath>

</nbprofiledirect>

<profile/>

</target>

<target depends="profile-init,compile-single" description="Profile a selected class in the IDE." if="profiler.info.jvmargs.agent" name="-profile-single-pre72">

<fail unless="profile.class">Must select one file in the IDE or set profile.class</fail>

<fail unless="netbeans.home">This target only works when run from inside the NetBeans IDE.</fail>

<nbprofiledirect>

<classpath>

<path path="${run.classpath}"/>

</classpath>

</nbprofiledirect>

<profile classname="${profile.class}"/>

</target>

<target depends="profile-init,compile-single" if="profiler.info.jvmargs.agent" name="-profile-applet-pre72">

<fail unless="netbeans.home">This target only works when run from inside the NetBeans IDE.</fail>

<nbprofiledirect>

<classpath>

<path path="${run.classpath}"/>

</classpath>

</nbprofiledirect>

<profile classname="sun.applet.AppletViewer">

<customize>

<arg value="${applet.url}"/>

</customize>

</profile>

</target>

<target depends="profile-init,compile-test-single" if="profiler.info.jvmargs.agent" name="-profile-test-single-pre72">

<fail unless="netbeans.home">This target only works when run from inside the NetBeans IDE.</fail>

<nbprofiledirect>

<classpath>

<path path="${run.test.classpath}"/>

</classpath>

</nbprofiledirect>

<junit dir="${profiler.info.dir}" errorproperty="tests.failed" failureproperty="tests.failed" fork="true" jvm="${profiler.info.jvm}" showoutput="true">

<env key="${profiler.info.pathvar}" path="${profiler.info.agentpath}:${profiler.current.path}"/>

<jvmarg value="${profiler.info.jvmargs.agent}"/>

<jvmarg line="${profiler.info.jvmargs}"/>

<test name="${profile.class}"/>

<classpath>

<path path="${run.test.classpath}"/>

</classpath>

<syspropertyset>

<propertyref prefix="test-sys-prop."/>

<mapper from="test-sys-prop.\*" to="\*" type="glob"/>

</syspropertyset>

<formatter type="brief" usefile="false"/>

<formatter type="xml"/>

</junit>

</target>

<!--

end of pre NB72 profiling section

-->

<target if="netbeans.home" name="-profile-check">

<condition property="profiler.configured">

<or>

<contains casesensitive="true" string="${run.jvmargs.ide}" substring="-agentpath:"/>

<contains casesensitive="true" string="${run.jvmargs.ide}" substring="-javaagent:"/>

</or>

</condition>

</target>

<target depends="-profile-check,-profile-pre72" description="Profile a project in the IDE." if="profiler.configured" name="profile" unless="profiler.info.jvmargs.agent">

<startprofiler/>

<antcall target="run"/>

</target>

<target depends="-profile-check,-profile-single-pre72" description="Profile a selected class in the IDE." if="profiler.configured" name="profile-single" unless="profiler.info.jvmargs.agent">

<fail unless="run.class">Must select one file in the IDE or set run.class</fail>

<startprofiler/>

<antcall target="run-single"/>

</target>

<target depends="-profile-test-single-pre72" description="Profile a selected test in the IDE." name="profile-test-single"/>

<target depends="-profile-check" description="Profile a selected test in the IDE." if="profiler.configured" name="profile-test" unless="profiler.info.jvmargs">

<fail unless="test.includes">Must select some files in the IDE or set test.includes</fail>

<startprofiler/>

<antcall target="test-single"/>

</target>

<target depends="-profile-check" description="Profile a selected class in the IDE." if="profiler.configured" name="profile-test-with-main">

<fail unless="run.class">Must select one file in the IDE or set run.class</fail>

<startprofiler/>

<antcal target="run-test-with-main"/>

</target>

<target depends="-profile-check,-profile-applet-pre72" if="profiler.configured" name="profile-applet" unless="profiler.info.jvmargs.agent">

<fail unless="applet.url">Must select one file in the IDE or set applet.url</fail>

<startprofiler/>

<antcall target="run-applet"/>

</target>

<!--

===============

JAVADOC SECTION

===============

-->

<target depends="init" if="have.sources" name="-javadoc-build">

<mkdir dir="${dist.javadoc.dir}"/>

<condition else="" property="javadoc.endorsed.classpath.cmd.line.arg" value="-J${endorsed.classpath.cmd.line.arg}">

<and>

<isset property="endorsed.classpath.cmd.line.arg"/>

<not>

<equals arg1="${endorsed.classpath.cmd.line.arg}" arg2=""/>

</not>

</and>

</condition>

<javadoc additionalparam="${javadoc.additionalparam}" author="${javadoc.author}" charset="UTF-8" destdir="${dist.javadoc.dir}" docencoding="UTF-8" encoding="${javadoc.encoding.used}" failonerror="true" noindex="${javadoc.noindex}" nonavbar="${javadoc.nonavbar}" notree="${javadoc.notree}" private="${javadoc.private}" source="${javac.source}" splitindex="${javadoc.splitindex}" use="${javadoc.use}" useexternalfile="true" version="${javadoc.version}" windowtitle="${javadoc.windowtitle}">

<classpath>

<path path="${javac.classpath}"/>

</classpath>

<fileset dir="${src.dir}" excludes="\*.java,${excludes}" includes="${includes}">

<filename name="\*\*/\*.java"/>

</fileset>

<fileset dir="${build.generated.sources.dir}" erroronmissingdir="false">

<include name="\*\*/\*.java"/>

<exclude name="\*.java"/>

</fileset>

<arg line="${javadoc.endorsed.classpath.cmd.line.arg}"/>

</javadoc>

<copy todir="${dist.javadoc.dir}">

<fileset dir="${src.dir}" excludes="${excludes}" includes="${includes}">

<filename name="\*\*/doc-files/\*\*"/>

</fileset>

<fileset dir="${build.generated.sources.dir}" erroronmissingdir="false">

<include name="\*\*/doc-files/\*\*"/>

</fileset>

</copy>

</target>

<target depends="init,-javadoc-build" if="netbeans.home" name="-javadoc-browse" unless="no.javadoc.preview">

<nbbrowse file="${dist.javadoc.dir}/index.html"/>

</target>

<target depends="init,-javadoc-build,-javadoc-browse" description="Build Javadoc." name="javadoc"/>

<!--

=========================

TEST COMPILATION SECTION

=========================

-->

<target depends="init,compile" if="have.tests" name="-pre-pre-compile-test">

<mkdir dir="${build.test.classes.dir}"/>

</target>

<target name="-pre-compile-test">

<!-- Empty placeholder for easier customization. -->

<!-- You can override this target in the ../build.xml file. -->

</target>

<target if="do.depend.true" name="-compile-test-depend">

<j2seproject3:depend classpath="${javac.test.classpath}" destdir="${build.test.classes.dir}" srcdir=""/>

</target>

<target depends="init,deps-jar,compile,-pre-pre-compile-test,-pre-compile-test,-compile-test-depend" if="have.tests" name="-do-compile-test">

<j2seproject3:javac apgeneratedsrcdir="${build.test.classes.dir}" classpath="${javac.test.classpath}" debug="true" destdir="${build.test.classes.dir}" processorpath="${javac.test.processorpath}" srcdir=""/>

<copy todir="${build.test.classes.dir}"/>

</target>

<target name="-post-compile-test">

<!-- Empty placeholder for easier customization. -->

<!-- You can override this target in the ../build.xml file. -->

</target>

<target depends="init,compile,-pre-pre-compile-test,-pre-compile-test,-do-compile-test,-post-compile-test" name="compile-test"/>

<target name="-pre-compile-test-single">

<!-- Empty placeholder for easier customization. -->

<!-- You can override this target in the ../build.xml file. -->

</target>

<target depends="init,deps-jar,compile,-pre-pre-compile-test,-pre-compile-test-single" if="have.tests" name="-do-compile-test-single">

<fail unless="javac.includes">Must select some files in the IDE or set javac.includes</fail>

<j2seproject3:force-recompile destdir="${build.test.classes.dir}"/>

<j2seproject3:javac apgeneratedsrcdir="${build.test.classes.dir}" classpath="${javac.test.classpath}" debug="true" destdir="${build.test.classes.dir}" excludes="" includes="${javac.includes}" processorpath="${javac.test.processorpath}" sourcepath="" srcdir=""/>

<copy todir="${build.test.classes.dir}"/>

</target>

<target name="-post-compile-test-single">

<!-- Empty placeholder for easier customization. -->

<!-- You can override this target in the ../build.xml file. -->

</target>

<target depends="init,compile,-pre-pre-compile-test,-pre-compile-test-single,-do-compile-test-single,-post-compile-test-single" name="compile-test-single"/>

<!--

=======================

TEST EXECUTION SECTION

=======================

-->

<target depends="init" if="have.tests" name="-pre-test-run">

<mkdir dir="${build.test.results.dir}"/>

</target>

<target depends="init,compile-test,-pre-test-run" if="have.tests" name="-do-test-run">

<j2seproject3:test testincludes="\*\*/\*Test.java"/>

</target>

<target depends="init,compile-test,-pre-test-run,-do-test-run" if="have.tests" name="-post-test-run">

<fail if="tests.failed" unless="ignore.failing.tests">Some tests failed; see details above.</fail>

</target>

<target depends="init" if="have.tests" name="test-report"/>

<target depends="init" if="netbeans.home+have.tests" name="-test-browse"/>

<target depends="init,compile-test,-pre-test-run,-do-test-run,test-report,-post-test-run,-test-browse" description="Run unit tests." name="test"/>

<target depends="init" if="have.tests" name="-pre-test-run-single">

<mkdir dir="${build.test.results.dir}"/>

</target>

<target depends="init,compile-test-single,-pre-test-run-single" if="have.tests" name="-do-test-run-single">

<fail unless="test.includes">Must select some files in the IDE or set test.includes</fail>

<j2seproject3:test excludes="" includes="${test.includes}" testincludes="${test.includes}"/>

</target>

<target depends="init,compile-test-single,-pre-test-run-single,-do-test-run-single" if="have.tests" name="-post-test-run-single">

<fail if="tests.failed" unless="ignore.failing.tests">Some tests failed; see details above.</fail>

</target>

<target depends="init,compile-test-single,-pre-test-run-single,-do-test-run-single,-post-test-run-single" description="Run single unit test." name="test-single"/>

<target depends="init,compile-test-single,-pre-test-run-single" if="have.tests" name="-do-test-run-single-method">

<fail unless="test.class">Must select some files in the IDE or set test.class</fail>

<fail unless="test.method">Must select some method in the IDE or set test.method</fail>

<j2seproject3:test excludes="" includes="${javac.includes}" testincludes="${test.class}" testmethods="${test.method}"/>

</target>

<target depends="init,compile-test-single,-pre-test-run-single,-do-test-run-single-method" if="have.tests" name="-post-test-run-single-method">

<fail if="tests.failed" unless="ignore.failing.tests">Some tests failed; see details above.</fail>

</target>

<target depends="init,compile-test-single,-pre-test-run-single,-do-test-run-single-method,-post-test-run-single-method" description="Run single unit test." name="test-single-method"/>

<!--

=======================

TEST DEBUGGING SECTION

=======================

-->

<target depends="init,compile-test-single,-pre-test-run-single" if="have.tests" name="-debug-start-debuggee-test">

<fail unless="test.class">Must select one file in the IDE or set test.class</fail>

<j2seproject3:test-debug excludes="" includes="${javac.includes}" testClass="${test.class}" testincludes="${javac.includes}"/>

</target>

<target depends="init,compile-test-single,-pre-test-run-single" if="have.tests" name="-debug-start-debuggee-test-method">

<fail unless="test.class">Must select one file in the IDE or set test.class</fail>

<fail unless="test.method">Must select some method in the IDE or set test.method</fail>

<j2seproject3:test-debug excludes="" includes="${javac.includes}" testClass="${test.class}" testMethod="${test.method}" testincludes="${test.class}" testmethods="${test.method}"/>

</target>

<target depends="init,compile-test" if="netbeans.home+have.tests" name="-debug-start-debugger-test">

<j2seproject1:nbjpdastart classpath="${debug.test.classpath}" name="${test.class}"/>

</target>

<target depends="init,compile-test-single,-debug-start-debugger-test,-debug-start-debuggee-test" name="debug-test"/>

<target depends="init,compile-test-single,-debug-start-debugger-test,-debug-start-debuggee-test-method" name="debug-test-method"/>

<target depends="init,-pre-debug-fix,compile-test-single" if="netbeans.home" name="-do-debug-fix-test">

<j2seproject1:nbjpdareload dir="${build.test.classes.dir}"/>

</target>

<target depends="init,-pre-debug-fix,-do-debug-fix-test" if="netbeans.home" name="debug-fix-test"/>

<!--

=========================

APPLET EXECUTION SECTION

=========================

-->

<target depends="init,compile-single" name="run-applet">

<fail unless="applet.url">Must select one file in the IDE or set applet.url</fail>

<j2seproject1:java classname="sun.applet.AppletViewer">

<customize>

<arg value="${applet.url}"/>

</customize>

</j2seproject1:java>

</target>

<!--

=========================

APPLET DEBUGGING SECTION

=========================

-->

<target depends="init,compile-single" if="netbeans.home" name="-debug-start-debuggee-applet">

<fail unless="applet.url">Must select one file in the IDE or set applet.url</fail>

<j2seproject3:debug classname="sun.applet.AppletViewer">

<customize>

<arg value="${applet.url}"/>

</customize>

</j2seproject3:debug>

</target>

<target depends="init,compile-single,-debug-start-debugger,-debug-start-debuggee-applet" if="netbeans.home" name="debug-applet"/>

<!--

===============

CLEANUP SECTION

===============

-->

<target name="-deps-clean-init" unless="built-clean.properties">

<property location="${build.dir}/built-clean.properties" name="built-clean.properties"/>

<delete file="${built-clean.properties}" quiet="true"/>

</target>

<target if="already.built.clean.${basedir}" name="-warn-already-built-clean">

<echo level="warn" message="Cycle detected: ch03\_ex2\_TestScore was already built"/>

</target>

<target depends="init,-deps-clean-init" name="deps-clean" unless="no.deps">

<mkdir dir="${build.dir}"/>

<touch file="${built-clean.properties}" verbose="false"/>

<property file="${built-clean.properties}" prefix="already.built.clean."/>

<antcall target="-warn-already-built-clean"/>

<propertyfile file="${built-clean.properties}">

<entry key="${basedir}" value=""/>

</propertyfile>

</target>

<target depends="init" name="-do-clean">

<delete dir="${build.dir}"/>

<delete dir="${dist.dir}" followsymlinks="false" includeemptydirs="true"/>

</target>

<target name="-post-clean">

<!-- Empty placeholder for easier customization. -->

<!-- You can override this target in the ../build.xml file. -->

</target>

<target depends="init,deps-clean,-do-clean,-post-clean" description="Clean build products." name="clean"/>

<target name="-check-call-dep">

<property file="${call.built.properties}" prefix="already.built."/>

<condition property="should.call.dep">

<and>

<not>

<isset property="already.built.${call.subproject}"/>

</not>

<available file="${call.script}"/>

</and>

</condition>

</target>

<target depends="-check-call-dep" if="should.call.dep" name="-maybe-call-dep">

<ant antfile="${call.script}" inheritall="false" target="${call.target}">

<propertyset>

<propertyref prefix="transfer."/>

<mapper from="transfer.\*" to="\*" type="glob"/>

</propertyset>

</ant>

</target>

</project>