>

<!--

\*\*\* 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>