Національний Технічний Університет України

«Київський Політехнічний Інститут»

Факультет інформатики та обчислювальної техніки

Кафедра обчислювальної техніки

Лабораторна робота №1

Підготовка програмного проекту

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| Прийняв  Ст.в. Антонюк А.І.  «\_\_»\_\_\_\_\_\_\_\_ 2014 р. | Виконала Студентка 2-ого курсу ФІОТ  групи ІО-32  Руденко Т.А. |

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Створити в каталозі out jar-архів з усіх файлів проекту з розширеннями java, js, html,htm. Скопіювати архів в корінь проекту.

**Лістинг *build.xml***

**<project name="Template" default="signJAR" basedir=".">**

<!-- ================== Application Properties =================== -->

<property name="app.name" value="Lab1" />

<property name="app.version" value="0.1" />

<property name="app.title" value="Template Application" />

<property name="app.author" value="Tetyana Rudenko" />

<property name="app.company" value="KPI CT-32" />

<property name="sourceDir" value="src/main/java" />

<property name="outputDir" value="out/eclipse-classes" />

<property name="buildDir" value="out/build" />

<property name="resourceDir" value="src/res" />

<property name="libDir" value="lib" />

<!-- ================== JAR Properties =================== -->

<property name="jar.mainClass" value="com.lab111.TestMain" />

<property name="jar.name" value="template.jar" />

<property name="jar.keyStore" value="${basedir}/out/tempKey.store" />

<property name="jar.keyPass" value="telpat" />

<property name="jar.keyAlias" value="tempAlias" />

<!-- ==================== Compilation Control Options ==================== -->

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

<property name="compile.deprecation" value="false"/>

<property name="compile.optimize" value="true"/>

<path id="compile.classpath">

<fileset dir="${libDir}">

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

</fileset>

</path>

<!-- ==================== Clean Target ================================== -->

<target name="clean"

description="Clean build dirs">

<delete dir="${buildDir}" />

</target>

<!-- ==================== Prepare Target ================================== -->

<target name="prepare"

depends="clean"

description="Prepare build dirs">

<mkdir dir="${buildDir}"/>

<mkdir dir="${buildDir}/output"/>

<mkdir dir="${buildDir}/web-apps"/>

</target>

<!-- ==================== Compile Target ================================== -->

<target name="compile"

depends="prepare"

description="Compile Java sources">

<javac srcdir="${sourceDir}"

destdir="${buildDir}/output"

debug="${compile.debug}"

deprecation="${compile.deprecation}"

optimize="${compile.optimize}"

target="1.5"

source="1.5">

<classpath refid="compile.classpath"/>

</javac>

<copy todir="${buildDir}/output">

<fileset dir="${sourceDir}" excludes="\*\*/\*.java"/>

</copy>

</target>

<!-- ==================== Create JAR archive Target ================================== -->

<target name="createJAR"

depends="compile"

description="Create JAR archive" >

<jar destfile="${buildDir}/${jar.name}" basedir="${outputDir}">

<manifest>

<attribute name="Created-By" value="${app.author} - (${app.company})"/>

<attribute name="Built-By" value="${user.name}"/>

<attribute name="Main-Class" value="${jar.mainClass}"/>

<section name="${app.name}">

<attribute name="Specification-Title" value="${app.title}"/>

<attribute name="Specification-Version" value="${app.version}"/>

<attribute name="Specification-Vendor" value="${app.company}"/>

<attribute name="Implementation-Title" value="${app.name}"/>

<attribute name="Implementation-Version" value="${app.version}"/>

<attribute name="Implementation-Vendor" value="${app.company}"/>

</section>

</manifest>

</jar>

</target>

<!-- ==================== Generate Key for JAR signing Target ================================== -->

<target name="generateKey"

description="Generates Key for JAR signing">

<delete failonerror="false" file="${jar.keyStore}"/>

<genkey keystore="${jar.keyStore}" alias="${jar.keyAlias}" storepass="${jar.keyPass}" validity="720" keyalg="RSA">

<dname>

<param name="CN" value="${app.company}"/>

<param name="OU" value="${app.title}"/>

<param name="O" value="${app.company}"/>

</dname>

</genkey>

</target>

<!-- ==================== FixStyle Target ================================== -->

<target name="fixstyle"

description="Fix Style in source code" >

<fixcrlf srcdir="${basedir}"

tab="remove"

tablength="2"

includesfile="fixstyle.list"

/>

</target>

<!-- ==================== JAR Singing Target ================================== -->

<target name="signJAR"

depends="createJAR,generateKey"

description="Signing JAR archive">

<exec dir="${buildDir}" executable="jarsigner">

<arg line="-keystore ${jar.keyStore} -storepass ${jar.keyPass} ${jar.name} ${jar.keyAlias}"/>

</exec>

<delete file="${buildDir}/myKeystore" />

</target>

<!-- ==================== Make zip Target ================================== -->

<target name="make-zip-project"

description="Zip all project tree from basedir">

<tstamp />

<zip destfile="../${app.name}-${DSTAMP}-${TSTAMP}.zip"

basedir="${basedir}"

excludes="out/\*\*"/>

</target>

<!-- ==================== Make JAR Target ================================== -->

<target name="make-jar"

depends="compile"

description="Makes a JAR archive of .java,.js,.html,.htm files">

<jar destfile = "out/myJAR.jar">

<fileset dir="">

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

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

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

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

</fileset>

</jar>

<copy file="out/myJAR.jar" todir=""/>

</target>

</project>

***Лістинг .classpath***

<?xml version="1.0" encoding="UTF-8"?>

<classpath>

<classpathentry kind="src" path="src/main/java"/>

<classpathentry kind="src" path="src/test/java"/>

<classpathentry kind="con" path="org.eclipse.jdt.launching.JRE\_CONTAINER"/>

<classpathentry kind="output" path="out/eclipse-classes"/>

</classpath>

***Лістинг .project***

<?xml version="1.0" encoding="UTF-8"?>

<projectDescription>

<name>template</name>

<comment></comment>

<projects>

</projects>

<buildSpec>

<buildCommand>

<name>org.eclipse.jdt.core.javabuilder</name>

<arguments>

</arguments>

</buildCommand>

<buildCommand>

<name>com.atlassw.tools.eclipse.checkstyle.CheckstyleBuilder</name>

<arguments>

</arguments>

</buildCommand>

</buildSpec>

<natures>

<nature>org.eclipse.jdt.core.javanature</nature>

<nature>com.atlassw.tools.eclipse.checkstyle.CheckstyleNature</nature>

</natures>

*</projectDescription>*