**William Collins**

3/15/2012

**JarTool**

**Assignment 2**

**Coll0300 – 040652633 – coll0300@algonquinlive.com**

**CST 8218 – 310 – Web Application Programming**

**For: Gerald Hurdle**

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/\*\* \*\*/

/\*\* \*\*/

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/\*\* Course Number : CST 8218 \*\*/

/\*\* Lab Section Number : 310 \*\*/

/\*\* Professor Name : Gerald Hurdle \*\*/

/\*\* Assignment Name/Number/Date : JarTool / 2 / 3/9/2012\*\*/

/\*\* Optional Comments : \*\*/

/\*\* \*\*/

/\*\* \*\*/

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

package controller;

import java.io.Serializable;

import java.util.jar.JarEntry;

import javax.faces.bean.ManagedBean;

import javax.faces.bean.SessionScoped;

import model.JarToolModel;

/\*\*

\*

\* @author willy

\*/

@ManagedBean(name = "controller")

@SessionScoped

public class JarToolController implements Serializable {

private JarToolModel model;

public JarToolController() {

model = new JarToolModel();

}

/\*\*

\* Get the css style that will determine the styling of the Jar Entry

\* @param entry The jar entry to be styled

\* @return The css class to be used

\*/

public String getEntryCssStyle(JarEntry entry) {

if (entry.isDirectory()) {

return "directory";

} else {

return "regular\_file";

}

}

/\*\*

\* Determine the css style class to use for filters

\* @return The css class to be used

\*/

public String getFilterStyle() {

if (model.getOptions().isFilters()) {

return "display: inline";

} else {

return "display: none";

}

}

/\*\*

\* Determine whether the jar is runnable

\* @return whether or not the jar can be run

\*/

public boolean getRun() {

return model.getManifestAttributes().toString().contains("Main-Class");

}

public JarToolModel getModel() {

return model;

}

public void setModel(JarToolModel model) {

this.model = model;

}

/\*\*

\* This method is used to test whether or not the new jar name is the same

\* as the current one. If it is, we will send some javascript to take care

\* of client side logic

\*

\* @return

\*/

public boolean testForNameConflict() {

if (model.getNewJarFileName() == null || model.getNewJarFileName() == null) {

return false;

}

if (model.getNewJarFileName().equals(model.getJarName())) {

return true;

}

return false;

}

/\*\*

\* Toggle whether the control column should be displayed or not

\*/

public void toggleControlColumn() {

boolean current = model.getOptions().isControlColumn();

model.getOptions().setControlColumn(!current);

}

}

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

/\*\* \*\*/

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/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

package model;

import java.io.\*;

import java.text.AttributedCharacterIterator.Attribute;

import java.util.ArrayList;

import java.util.Enumeration;

import java.util.List;

import java.util.Map.Entry;

import java.util.jar.JarFile;

import java.util.jar.JarOutputStream;

import java.util.zip.CRC32;

import java.util.zip.ZipEntry;

import java.util.zip.ZipException;

import javax.faces.context.FacesContext;

import org.apache.commons.io.FileUtils;

import org.apache.commons.io.IOUtils;

import org.primefaces.component.commandbutton.CommandButton;

import org.primefaces.component.datatable.DataTable;

import org.primefaces.event.FileUploadEvent;

import org.primefaces.model.DefaultStreamedContent;

import org.primefaces.model.StreamedContent;

import org.primefaces.util.ComponentUtils;

/\*\*

\*

\* @author willy

\*/

public class JarToolModel implements Serializable {

private transient ArrayList<JarEntry> jarEntries;

private transient ArrayList<Entry<String, Attribute>> manifestAttributes;

private Options options;

private String jarName;

private String newJarFileName;

/\*\*

\* The Jar Entry to be displayed in detail

\*/

private transient JarEntry detailEntry;

public JarToolModel() {

options = new Options();

jarEntries = new ArrayList<JarEntry>();

manifestAttributes = new ArrayList<Entry<String, Attribute>>();

}

public Options getOptions() {

return options;

}

public void setOptions(Options options) {

this.options = options;

}

public List<JarEntry> getJarEntries() {

return jarEntries;

}

public void setJarEntries(ArrayList<JarEntry> jarEntries) {

this.jarEntries = jarEntries;

}

public ArrayList<Entry<String, Attribute>> getManifestAttributes() {

return manifestAttributes;

}

public void setManifestAttributes(ArrayList<Entry<String, Attribute>> manifestEntries) {

this.manifestAttributes = manifestEntries;

}

public JarEntry getDetailEntry() {

return detailEntry;

}

public void setDetailEntry(JarEntry detailEntry) {

this.detailEntry = detailEntry;

}

public String getNewJarFileName() {

return newJarFileName;

}

public String getJarName() {

return jarName;

}

public void setJarName(String jarName) {

this.jarName = jarName;

}

public void setNewJarFileName(String newJarFileName) {

if (!newJarFileName.endsWith(".jar")){

newJarFileName = newJarFileName + ".jar";

}

this.newJarFileName = newJarFileName;

}

/\*\*

\* Loads a jar file given an upload event.

\* @param event - the event that contains the stream and file information

\* @throws IOException

\*/

public void loadJar(FileUploadEvent event) throws IOException {

File fileToWrite = new File(event.getFile().getFileName());

FileOutputStream oStream; //Stream to write the file to

//Check to see if the file exists first. If it doesn't, create it.

if (fileToWrite.exists()) {

fileToWrite.delete();

}

fileToWrite.createNewFile();

oStream = new FileOutputStream(fileToWrite);

oStream.write(event.getFile().getContents());

oStream.close();

//Initialize member variables to jar file values

JarFile jar;

try {

jar = new JarFile(fileToWrite);

}

catch (ZipException e){

//gracefully exit

return;

}

Enumeration<java.util.jar.JarEntry> entries = jar.entries();

jarEntries = new ArrayList<JarEntry>();

//Get the entries in the jar file

while (entries.hasMoreElements()) {

JarEntry entry = new JarEntry(entries.nextElement());

jarEntries.add(entry);

}

manifestAttributes = new ArrayList(jar.getManifest().getMainAttributes().entrySet());

jarName = jar.getName();

jar.close();

resetTable();

}

/\*\*

\* Save a specific file from the current jar

\* @param name The name of the file to be saved

\* @return the stream of the file

\* @throws IOException

\*/

public StreamedContent saveFileFromJar(String name) throws IOException {

String nameMinusPath = name.substring(name.lastIndexOf('/') + 1, name.length());

JarFile jar = new JarFile(jarName);

InputStream stream = jar.getInputStream(jar.getJarEntry(name));

StreamedContent content = new DefaultStreamedContent(stream, null, nameMinusPath);

return content;

}

/\*\*

\* Download the entire jar file to the client

\* @return The content stream of the file to be downloaded

\* @throws IOException

\*/

public StreamedContent downloadJar() throws IOException{

JarFile jar = new JarFile(jarName);

FileOutputStream oStream = new FileOutputStream("temp.jar");

JarOutputStream jos = new JarOutputStream(oStream);

writeEntriesToJarFile(jar, jos);

FileInputStream iStream = new FileInputStream("temp.jar");

StreamedContent jarToDownload = new DefaultStreamedContent(iStream, null, jar.getName());

jos.close();

jar.close();

resetTable();

return jarToDownload;

}

/\*\*

\* Writes the entries to the local filesystem

\* @param jar The jar file to write to

\* @param jos The output stream to write the jar to.

\* @throws IOException

\*/

private void writeEntriesToJarFile(JarFile jar, JarOutputStream jos) throws IOException{

for (ZipEntry entry: jarEntries){

jos.putNextEntry(entry);

jos.write(IOUtils.toByteArray(jar.getInputStream(entry)));

jos.closeEntry();

}

}

/\*\*

\* Adds a file to the current jar

\* @param event The event that contains the file info and stream

\* @throws IOException

\*/

public void addFileToJar(FileUploadEvent event) throws IOException {

String fileName = event.getFile().getFileName();

JarFile jar = new JarFile(jarName);

JarEntry entry = new JarEntry(fileName);

FileOutputStream fos = new FileOutputStream("temp.jar");

JarOutputStream jos = new JarOutputStream(fos);

//Add appropriate compression

if (options.isCompression()) {

entry.setMethod(JarEntry.DEFLATED);

} else {

//Uncompressed means certain fields need to be set

entry.setMethod(JarEntry.STORED);

entry.setSize(event.getFile().getSize());

entry.setCompressedSize(event.getFile().getSize());

CRC32 crc = new CRC32();

crc.update(event.getFile().getContents());

entry.setCrc(crc.getValue());

}

//Write all current entries in the list to the jar file

try {

writeEntriesToJarFile(jar, jos);

jar.close();

//Write the new entry to the jar file

jos.putNextEntry(entry);

jos.write(event.getFile().getContents());

jos.close();

//Add entry to list of entries

jar = new JarFile("temp.jar");

JarEntry zip = new JarEntry(jar.getJarEntry(entry.getName()));

jarEntries.add(zip);

//Overwrite the original jar with the new one

File temp = new File("temp.jar");

File jarFile = new File(jarName);

FileUtils.copyFile(temp, jarFile);

}

catch (ZipException e){

System.out.println("Duplicate file tried to be added. Disregarding.");

}

//Clean up

jar.close();

resetTable();

}

/\*\*

\* Run the current jar

\* @throws IOException

\*/

public void runJar() throws IOException {

JarFile jar = new JarFile(jarName);

Runtime.getRuntime().exec("java -jar " + jar.getName());

jar.close();

}

/\*\*

\* Create a new jar with a default manifest

\*/

public void createJar() throws IOException{

if (newJarFileName.equals(jarName)){

FacesContext facesContext = FacesContext.getCurrentInstance();

CommandButton button = (CommandButton) ComponentUtils.findComponent(facesContext.getViewRoot(), "newJarButton");

button.setOnerror(jarName);

}

//Create the file locally

FileOutputStream fos = new FileOutputStream(newJarFileName);

JarOutputStream jos = new JarOutputStream(fos);

JarEntry manifestDir = new JarEntry("META-INF/");

JarEntry manifest = new JarEntry("META-INF/MANIFEST.MF");

jos.putNextEntry(manifestDir);

jos.closeEntry();

jos.putNextEntry(manifest);

jos.close();

jarName = newJarFileName;

jarEntries = new ArrayList<JarEntry>();

jarEntries.add(manifestDir);

jarEntries.add(manifest);

manifestAttributes = new ArrayList<Entry<String, Attribute>>();

resetTable();

}

/\*\*

\* resets the jar entries table. This is to prevent an update bug caused by the

\* primefaces dataTable filtering.

\*/

private void resetTable(){

FacesContext facesContext = FacesContext.getCurrentInstance();

DataTable table = (DataTable) ComponentUtils.findComponent(facesContext.getViewRoot(), "jarEntries");

table.resetValue();

}

}

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

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<!-- Document: index.xhtml

Created on: 3/15/2012

Author: William Collins -->

<html xmlns="http://www.w3.org/1999/xhtml"

xmlns:h="http://java.sun.com/jsf/html"

xmlns:p="http://primefaces.prime.com.tr/ui"

xmlns:f="http://java.sun.com/jsf/core">

<h:head>

<link href="./resources/css/cssJarTool.css" rel="stylesheet" type="text/css" />

<title>#{msg.title}</title>

<meta name="author" content="#{about.studentName}"/>

</h:head>

<h:body>

<h:form id="dialogForm">

<p:poll autoStart="true"

interval="1"

action="jarTable.filter()"/>

<!-- DETAILS -->

<p:dialog id="detailsDialog"

modal="true"

header="#{msg.jar\_entry\_details\_dialog}"

widgetVar="details"

minWidth="500"

minHeight="200"

>

<h:panelGrid columns="2"

id="details">

<h:outputLabel value="#{msg.column\_jar\_entry}: "/>

<h:outputText id="name" value="#{controller.model.detailEntry.name}"/>

<h:outputLabel value="#{msg.column\_size}:"/>

<h:outputText id="size" value="#{controller.model.detailEntry.size}">

<f:convertNumber pattern="000000"/>

</h:outputText>

<h:outputLabel value="#{msg.column\_compressed\_size}: "/>

<h:outputText id="compressedSize" value="#{controller.model.detailEntry.compressedSize}">

<f:convertNumber pattern="000000"/>

</h:outputText>

<h:outputLabel value="#{msg.column\_modification\_time}: "/>

<h:outputText id="time" value="#{controller.model.detailEntry.time}">

<f:convertDateTime pattern="MMM d, yyyy (h:mm:ss a)"

timeZone="EST"

type="both" />

</h:outputText>

</h:panelGrid>

</p:dialog>

<!-- NEW JAR -->

<p:dialog id="newJarDialog"

header="#{msg.menu\_jar\_new\_dialog}"

modal="true"

widgetVar="newJar">

<h:outputLabel value="#{msg.menu\_jar\_new\_jarname}"/>

<h:inputText value="#{controller.model.newJarFileName}"/>

<p:commandButton id="newJarButton"

value="#{msg.menu\_jar\_new\_newbutton}"

onclick="newJar.hide();confirmClobber.show()"

update="jarForm:jarEntries,jarForm:mainMenu"/>

</p:dialog>

<!-- CONFIRM OVERWRITE DIALOG -->

<p:confirmDialog id="confirmDialog"

message="#{msg.new\_jar\_confirm\_dialog\_message} "

widgetVar="confirmClobber">

<p:commandButton value="#{msg.new\_jar\_confirm\_dialog\_yes}"

actionListener="#{controller.model.createJar}"

onclick="confirmClobber.hide()"

update="jarForm:jarEntries,jarForm:mainMenu"/>

<p:commandButton value="#{msg.new\_jar\_confirm\_dialog\_no}"

onclick="confirmClobber.hide()"/>

</p:confirmDialog>

<!-- JAR UPLOAD -->

<p:dialog id="jarUploadDialog"

header="#{msg.menu\_jar\_open\_dialog}"

modal="true"

widgetVar="upload"

width="400">

<p:fileUpload label="#{msg.contents\_addfile\_browse}"

description="(\*.jar)"

allowTypes="\*.jar;"

fileUploadListener="#{controller.model.loadJar}"

update="jarForm:jarEntries,jarForm:manifestAttributes,jarForm:runButton,jarForm:mainMenu"

auto="true"/>

</p:dialog>

<!-- OPTIONS -->

<p:dialog id="optionsDialog"

header="#{msg.menu\_options\_dialog}"

modal="true"

widgetVar="options">

<h:panelGrid id="options" columns="2">

<h:selectBooleanCheckbox value="#{controller.model.options.controlColumn}">

<p:ajax update="jarForm:jarEntries"/>

</h:selectBooleanCheckbox>

<h:outputLabel value="#{msg.menu\_options\_controlcolumn}" />

<h:selectBooleanCheckbox value="#{controller.model.options.detailColumns}">

<p:ajax update="jarForm:jarEntries"/>

</h:selectBooleanCheckbox>

<h:outputLabel value="#{msg.menu\_options\_detailcolumns}" />

<h:selectBooleanCheckbox value="#{controller.model.options.filters}">

<p:ajax update="jarForm:jarEntries"/>

</h:selectBooleanCheckbox>

<h:outputLabel value="#{msg.menu\_options\_filters}" />

</h:panelGrid>

</p:dialog>

<!-- ABOUT -->

<p:dialog id="aboutDialog"

header="#{msg.menu\_about\_dialog}"

modal="true"

widgetVar="about"

width="700">

<h:panelGrid border="3" columns="2">

<h:outputLabel id="courseLabel"

for="course"

value="${about.courseLabel}" />

<h:outputText id="course"

value="${about.course}" />

<h:outputLabel id="professorLabel"

for="professor"

value="${about.professorLabel}" />

<h:outputLink value="mailto:${about.professor}">

<h:outputText id="professor" value="${about.professor}" />

</h:outputLink>

<h:outputLabel id="studentNameLabel"

for="studentName"

value="${about.studentNameLabel}" />

<h:outputText id="studentName"

value="${about.studentName}" />

<h:outputLabel id="studentNumberLabel"

for="studentNumber"

value="${about.studentNumberLabel}" />

<h:outputText id="studentNumber"

value="${about.studentNumber}" />

<h:outputLabel id="studentUsernameLabel"

for="studentUsername"

value="${about.studentUsernameLabel}" />

<h:outputText id="studentUsername"

value="${about.studentUsername}" />

<h:outputLabel id="studentEmailLabel"

for="studentEmail"

value="${about.studentEmailLabel}" />

<h:outputLink value="mailto:${about.studentEmail}">

<h:outputText id="studentEmail" value="${about.studentEmail}" />

</h:outputLink>

</h:panelGrid>

</p:dialog>

</h:form>

<h:form id="jarForm">

<!-- MENU -->

<p:menubar id="mainMenu">

<p:submenu label="#{msg.menu\_jar}">

<p:menuitem value="#{msg.menu\_jar\_new}" onclick="newJar.show()"/>

<p:menuitem value="#{msg.menu\_jar\_open}" onclick="upload.show()"/>

<p:menuitem id="downloadButton"

value="#{msg.menu\_jar\_dl}"

ajax="false"

rendered="#{controller.model.jarEntries.size() > 0}">

<h:commandLink value="#{msg.menu\_jar\_dl}">

<p:fileDownload value="#{controller.model.downloadJar()}"/>

</h:commandLink>

</p:menuitem>

</p:submenu>

<p:menuitem value="#{msg.menu\_options}" onclick="options.show()"/>

<p:menuitem value="#{msg.menu\_about}" onclick="about.show()"/>

</p:menubar>

<!-- JAR TOOL AREA -->

<p:tabView id="tabView"

dynamic="true">

<p:tab title="#{msg.contents}">

<!-- ADD FILES PANEL -->

<p:panel id="newFilePanel"

header="#{msg.contents\_addfile}">

<h:panelGrid columns="3">

<p:fileUpload label="#{msg.contents\_addfile\_browse}"

fileUploadListener="#{controller.model.addFileToJar}"

update="jarEntries,manifestEntries,mainMenu"/>

<h:outputText value="#{msg.contents\_addfile\_compression}"/>

<h:selectBooleanCheckbox value="#{controller.model.options.compression}">

<p:ajax/>

</h:selectBooleanCheckbox>

</h:panelGrid>

</p:panel>

<!-- CONTENTS OF JAR -->

<p:dataTable id="jarEntries"

var="entry"

value="#{controller.model.jarEntries}"

paginator="true"

emptyMessage="#{msg.empty\_list}"

rows="10"

paginatorTemplate="{CurrentPageReport} {FirstPageLink} {PreviousPageLink} {PageLinks} {NextPageLink} {LastPageLink} {RowsPerPageDropdown}"

rowsPerPageTemplate="5,10,15"

widgetVar="jarTable">

<!-- SEARCH BAR -->

<f:facet name="header">

<p:outputPanel>

<h:panelGrid columns="2" class="table">

<h:panelGroup style="float: right">

<h:outputLabel for="globalFilter"

value="#{msg.search\_label} "/>

<p:inputText id="globalFilter"

onkeyup="jarTable.filter()"/>

</h:panelGroup>

<p:commandButton id="hideControlColumn"

title="#{msg.toggle\_control\_column}"

actionListener="#{controller.toggleControlColumn}"

image="ui-icon-gear"

update="jarEntries,dialogForm:options"/>

</h:panelGrid>

</p:outputPanel>

</f:facet>

<!-- SIZE -->

<p:column headerText="#{msg.column\_size}"

filterBy="#{entry.size}"

filterStyle="#{controller.filterStyle}"

rendered="#{controller.model.options.detailColumns}"

>

<h:outputText value="#{entry.size}"

styleClass="#{controller.getEntryCssStyle(entry)}">

<f:convertNumber pattern="000000"/>

</h:outputText>

</p:column>

<!-- COMPRESSED SIZE -->

<p:column headerText="#{msg.column\_compressed\_size}"

filterBy="#{entry.compressedSize}"

filterStyle="#{controller.filterStyle}"

rendered="#{controller.model.options.detailColumns}">

<h:outputText value="#{entry.compressedSize}"

styleClass="#{controller.getEntryCssStyle(entry)}">

<f:convertNumber pattern="000000"/>

</h:outputText>

</p:column>

<!-- MODIFICATION TIME -->

<p:column headerText="#{msg.column\_modification\_time}"

filterBy="#{entry.time}"

filterStyle="#{controller.filterStyle}"

rendered="#{controller.model.options.detailColumns}">

<h:outputText value="#{entry.time}"

styleClass="#{controller.getEntryCssStyle(entry)}">

<f:convertDateTime pattern="MMM d, yyyy (h:mm:ss a)"

timeZone="EST"

type="both" />

</h:outputText>

</p:column>

<!-- ENTRIES -->

<p:column headerText="#{msg.column\_jar\_entry}"

filterBy="#{entry.name}"

filterStyle="#{controller.filterStyle}"

sortBy="#{entry.name}">

<h:outputText value="#{entry.name}"

styleClass="#{controller.getEntryCssStyle(entry)}" />

</p:column>

<!-- CONTROL COLUMN -->

<p:column style="width: 10%"

rendered="#{controller.model.options.controlColumn}">

<h:panelGrid columns="3">

<p:commandLink id="jarToolDetails"

styleClass="ui-icon ui-icon-search"

title="View"

onclick="details.show()"

actionListener="#{controller.model.setDetailEntry(entry)}"

update="dialogForm:details" >

</p:commandLink>

<h:commandLink id="jarToolSave"

styleClass="ui-icon ui-icon-disk"

title="Save"

rendered="#{entry.directory == false}"

>

<p:fileDownload value="#{controller.model.saveFileFromJar(entry.name)}"/>

</h:commandLink>

<p:commandLink id="jarToolDelete"

styleClass="ui-icon ui-icon-trash"

title="Delete"

update="jarForm:jarEntries,downloadButton"

rendered="#{entry.directory == false and entry.name.equalsIgnoreCase(msg.manifest\_entry) == false}"

>

<p:collector removeFrom="#{controller.model.jarEntries}"

value="#{entry}"/>

</p:commandLink>

</h:panelGrid>

</p:column>

<f:facet name="footer">

<h:outputLabel value="#{msg.table\_number\_of\_entries} " />

<h:outputText value="#{controller.model.jarEntries.size()}"/>

</f:facet>

</p:dataTable>

</p:tab>

<!-- MANIFEST TAB -->

<p:tab title="#{msg.manifest}">

<p:dataTable id="manifestAttributes"

var="attrib"

value="#{controller.model.manifestAttributes}"

emptyMessage="#{msg.manifest\_empty\_message}">

<p:column headerText="#{msg.manifest\_main\_attribute}">

<h:outputText value="#{attrib.key}"/>

</p:column>

<p:column headerText="#{msg.manifest\_value}">

<h:outputText value="#{attrib.value}"/>

</p:column>

<f:facet name="footer">

<h:outputLabel value="#{msg.manifest\_number\_of\_attributes} "/>

<h:outputText value="#{controller.model.manifestAttributes.size()}"/>

</f:facet>

</p:dataTable>

<p:commandButton value="#{msg.manifest\_run}"

id="runButton"

disabled="#{controller.run == false}"

actionListener="#{controller.model.runJar}" />

</p:tab>

</p:tabView>

</h:form>

</h:body>

</html>

# ABOUT

course=CST8218 - Web Application Programming (WAP)

courseLabel=Course

professor=Gerald.Hurdle@AlgonquinCollege.com

professorLabel=Professor

studentEmail=coll0300@algonquinlive.com

studentEmailLabel=Student Email

studentName=William Collins

studentNameLabel=Student Name

studentNumber=040 652 633

studentNumberLabel=Student Number

studentUsername=coll0300

studentUsernameLabel=Student Username

# FOOTER

semester=Winter

year=2012

title=JAR Tool (PrimeFaces)

menu\_jar=Jar File

menu\_jar\_new=New...

menu\_jar\_open=Open...

menu\_jar\_dl=Download

menu\_jar\_new\_dialog=New Jar File

menu\_jar\_new\_jarname=Jar Name

menu\_jar\_new\_newbutton=Create Jar

menu\_jar\_open\_dialog=Open Jar File

menu\_options=Options

menu\_options\_dialog=Options Dialog

menu\_options\_controlcolumn=Control Column

menu\_options\_detailcolumns=Detail Columns

menu\_options\_filters=Filters

menu\_about=About

menu\_about\_dialog=About Dialog

search\_label=Search:

column\_size=Size

column\_compressed\_size=Compressed Size

column\_modification\_time=Modification Time

column\_jar\_entry=Jar Entry

table\_number\_of\_entries=Number of Jar entries:

empty\_list=No Jar Entries

contents=Contents

contents\_addfile=Add File to JAR

contents\_addfile\_browse=Browse

contents\_addfile\_compression=Compression

contents\_addfile\_upload=Upload

contents\_addfile\_clear=Clear

manifest=Manifest

manifest\_run=Run

manifest\_empty\_message=No Manifest

manifest\_number\_of\_attributes=Number of Manifest attributes:

manifest\_main\_attribute=Main Attribute

manifest\_value=Value

manifest\_entry=META-INF/MANIFEST.MF

jar\_entry\_details\_dialog=Jar Entry Details

new\_jar\_confirm\_dialog\_message=Are you sure you want to overwrite the current jar?

new\_jar\_confirm\_dialog\_yes=Yes

new\_jar\_confirm\_dialog\_no=No

toggle\_control\_column=Toggle Control Column

save=Save

view=View

delete=Delete

/\*

Document : ipLayout

Created on : Feb 4, 2012, 2:04:12 PM

Author : William Collins

Description: Stylings associated with the ip input and output fields

\*/

.directory {

font-style: italic;

font-weight: bold;

}

.regular\_file {

font-style: normal;

font-weight: normal;

}