**Output Subsystem**

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import java.io.BufferedWriter;

import java.io.File;

import java.io.FileWriter;

import java.io.IOException;

import javax.swing.JFileChooser;

import javax.swing.JOptionPane;

public class Output{

JFileChooser chooser = new JFileChooser();

File name;

public void inputFile(File fileName){

name = fileName;

}

public void write(String text){

try{

verifyExtension();

BufferedWriter writer = new BufferedWriter(new FileWriter(name));

writer.append(text);

writer.close();

}catch(Exception e){

showError(e.toString(), "Error");

}

}

public static void showError(String errorMessage, String title){

JOptionPane.showMessageDialog(null, errorMessage, title, JOptionPane.ERROR\_MESSAGE);

}

public void verifyExtension() throws Exception {

if (!((name.getPath().lastIndexOf('.') != -1) && (name.getPath()

.substring((name.getPath().lastIndexOf('.') + 1), name.getPath().length()).equalsIgnoreCase("dat")))) {

throw new Exception("Invalid extension, please enter a new dat file.");

}

}

}