

Program 2: PNG Metadata Reader

Level Attempted: (100)

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CpS 209
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Program Report

Time Designing, Writing, and Debugging: 7.75 hours

Requirements Implementation Summary

The following requirements have been implemented:

- PNGChunk class
- PNGFile class; .load() method
- All print statements in App.main()
- PNGFileTest class
- PNFFileReader class implementing AutoCloseable interface
- readChunk() method
- PNGFile load() method uses PNGFileReader
-

The following requirements have not been implemented:

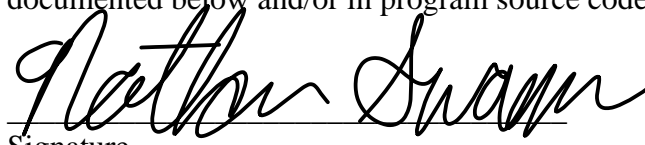
- No known uncompleted requirements

Bug Summary

1. No known bugs

Academic Integrity Report

By affixing my signature below, I certify that the accompanying work represents my own intellectual effort. Furthermore, I have received no outside help other than what is documented below and/or in program source code comments.



Signature

Date	Name / Email / URL	Nature of help	Time spent

Official Test Results

Test 1 Output

```
C:\Users\User\OneDrive\Documents\GitHub\cps209_prog2>build\install\app\bin\app ice.png
Reading ice.png
Metadata in ice.png:
Software: @(#)ImageMagick 4.2.9 99/09/01 cristy@mystic.es.dupont.com
Signature: 3248a69c033c15e46356a9ecb996c652
Delay: 100
```

Test 2 Output

```
C:\Users\User\OneDrive\Documents\GitHub\cps209_prog2>build\install\app\bin\app nosuchfile.png
Reading nosuchfile.png
java.io.FileNotFoundException: nosuchfile.png (The system cannot find the file specified)
Usage: arun <PNGfilename>
```

Test 3 Output

```
C:\Users\User\OneDrive\Documents\GitHub\cps209_prog2>build\install\app\bin\app test.png
Reading test.png
test.png does not contain PNG tags.
```

Test 4 Output

```
C:\Users\User\OneDrive\Documents\GitHub\cps209_prog2>build\install\app\bin\app tree-png-785.png
Reading tree-png-785.png
Metadata in tree-png-785.png:
date:create: 2013-06-09T00:50:32-07:00
date:modify: 2013-06-09T00:50:32-07:00
Software: Adobe ImageReady
```