UML Parser

Synopsis: UML Parser is a java based tool that can be used to generate UML class diagrams from the provided java source code.

Set-up Manual:

Pre-requisites:

A. Java run-time environment (JDK) version 1.7.0 or higher must be installed.
B. Graphviz tool must be installed as follows:

Windows:

Source: http://www.graphviz.org/Download_windows.php

Installation path: C:\Program Files\Graphviz

Extract the zip contents from downloaded file at above installation path.

Linux/ Mac OS-X:

Source: http://www.graphviz.org/Download..php

Installation path: /usr/bin/

- Download the version of software based on underlying linux variant or Mac OS-X. The above source link contains downloads for various versions of linux (viz. rhel, Ubuntu, fedora, solaris) and MacOS-X.
- Extract the zip contents from downloaded file and save at above installation path.

Executing the parser:

1. Download the *executable*(for windows) folder or *package* (for Linux variants and MacOS-X) folder from zip file located at following link:

   > Abc.

2. Open command prompt (cmd – for windows; terminal – for linux variants and MacOS-X).
3. Change working directory to the location containing *executable* (for windows) folder or *package* (for linux variants and MacOS-X) folder.
4. Execute the file as follows:

   Windows:
   > Cmd_at_*executable_folder*_path> umlparser.exe <source-path> <output-image-name>
   >
   > <source-path> : Path containing java source files.
   >   Eg.: "D:\SJSU\ uml-parser-test-1"
   > <output-image-name> : Name to be given to generated class diagram image.
   >   Eg.: "test1_diagram"

   Linux/ MacOS-X:

   > Terminal_at_*package_folder*_path$ chmod ugo+x umlparser.sh
   >
   > Terminal_at_*package_folder*_path$ ./umlparser.sh <source-path> <output-image-name>
   >
   > <source-path> : Path containing java source files.
   >   Eg.: "/home/user/uml-parser-test-1"
   > <output-image-name> : Name to be given to generated class diagram image.
   >   Eg.: "test1_diagram"

5. The class diagram would be generated in the same directory (*<source-path>*) as the input java source files with the name provided during execution (*<output-image-name>*).