Install and Usage instructions for UMLPARSER

RUN PROJECT FROM COMMAND PROMPT

Pre-required downloads/installations:

1) Java JDK installed in machine(v 1.4.0 or later)

2) Install graphviz if already not installed. PlantUml requires graphviz to produce images.
   For windows make sure graphviz is installed under "C:\Program Files\" or "C:\Program Files(x86)\".

3) Download umlparser. (a zip folder of the project). The project contains exe files so browser may discard downloading, make sure you can download it. (Try chrome).

Usage:

1) Download the zip folder. Unzip it.
2) Open command prompt. Navigate to the folder path. (e.g. If you save the project in D:\, in command prompt navigate to D:\>umlparser).
3) Now execute the following command
   umlparser <class-path> <output-file>
   class-path being the path where .java source input files are stored and output file is the .png file which will have the output image
   e.g. umlparser "D:\JavaInput" "D:\image.png"
   In above example "D:\JavaInput" is the folder where .java source input files are stored and "D:\image.png" is the file which will be created after the application runs. It has the output image.

RUN THE PROJECT FROM ECLIPSE

Required downloads/installations:

1) Java JDK installed in machine(v 1.4.0 or later)

2) JavaCC plugin for eclipse (Javacc plugin can be downloaded from Help->EclipseMarketPlace)

3) Install graphviz if already not installed. PlantUml requires graphviz to produce images.
   For windows make sure graphviz is installed under "C:\Program Files\" or "C:\Program Files(x86)\".

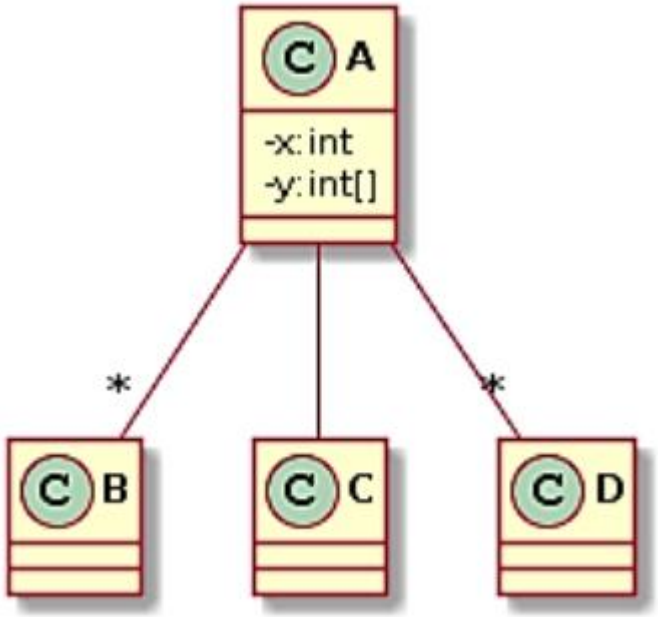
4) Download umlparser. (a zip folder of the project). The project contains exe files so browser may discard downloading, make sure you can download it. (Try chrome).

Steps to configure:

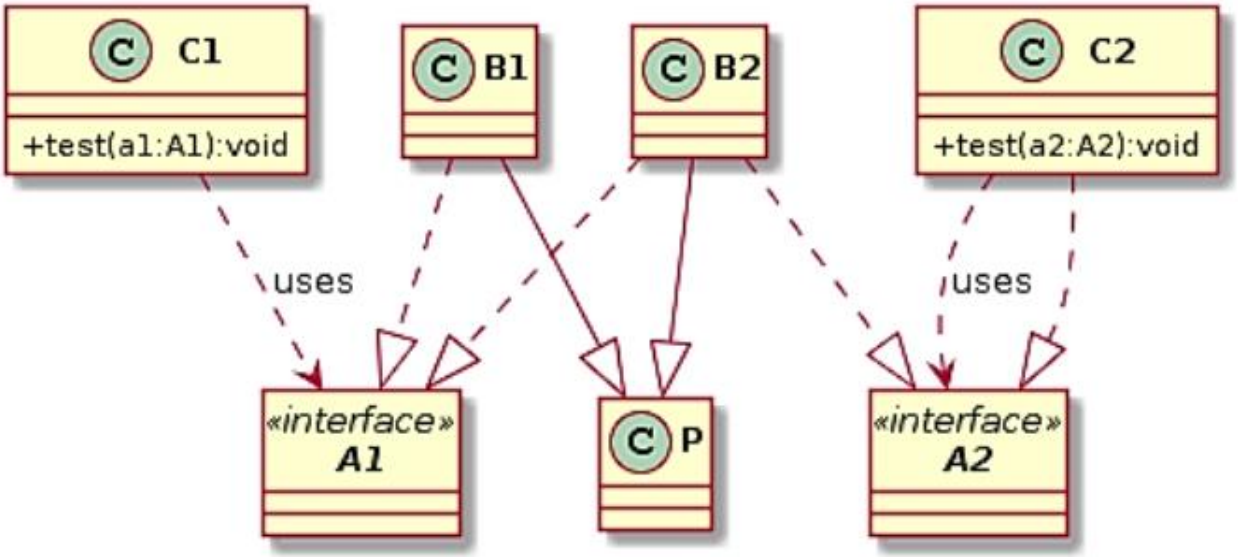
1) Download and unzip the umlparser.
2) Open Eclipse->File->Import->(General->Existing projects in workspace)->Select Root directory
3) Right click the imported projects->Build Path->Configure build path->JavaCC options
   Make sure you have JCC and JTB jar files set to proper path.
4) Right click the project->Run as-> Run configuration-> Right click Java options under left pane-> New-> On the right side pane under Main tab, choose the main class(MyNewGrammar)
5) Choose Arguments tab (located besides Main), specify the command line arguments there e.g. "D:\JavaInput" "D:\image3.png", where first argument is the folder where .java source files are present and second is the output file name.
6) Click Run. The program should run successfully with following output in eclipse command line
   `Diagram generated successfully!!`
7) Check the output image file to view the class diagram.

OUTPUT FILES:

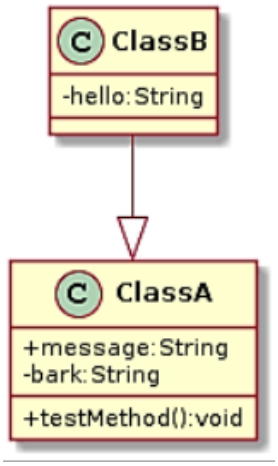
Test case: 1



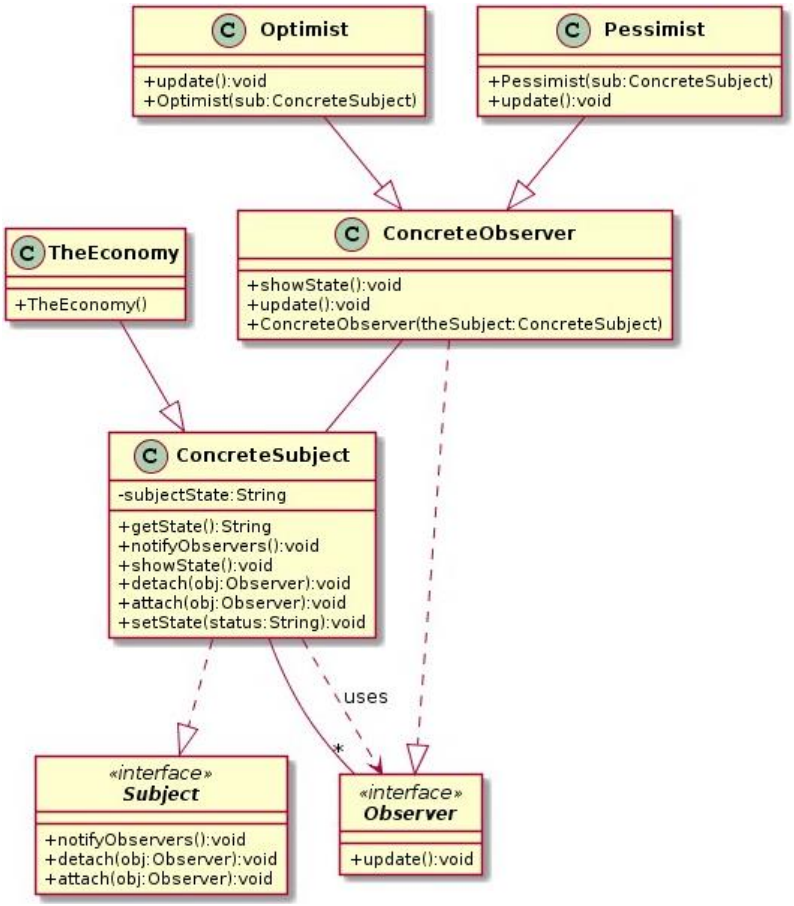
Test case: 2



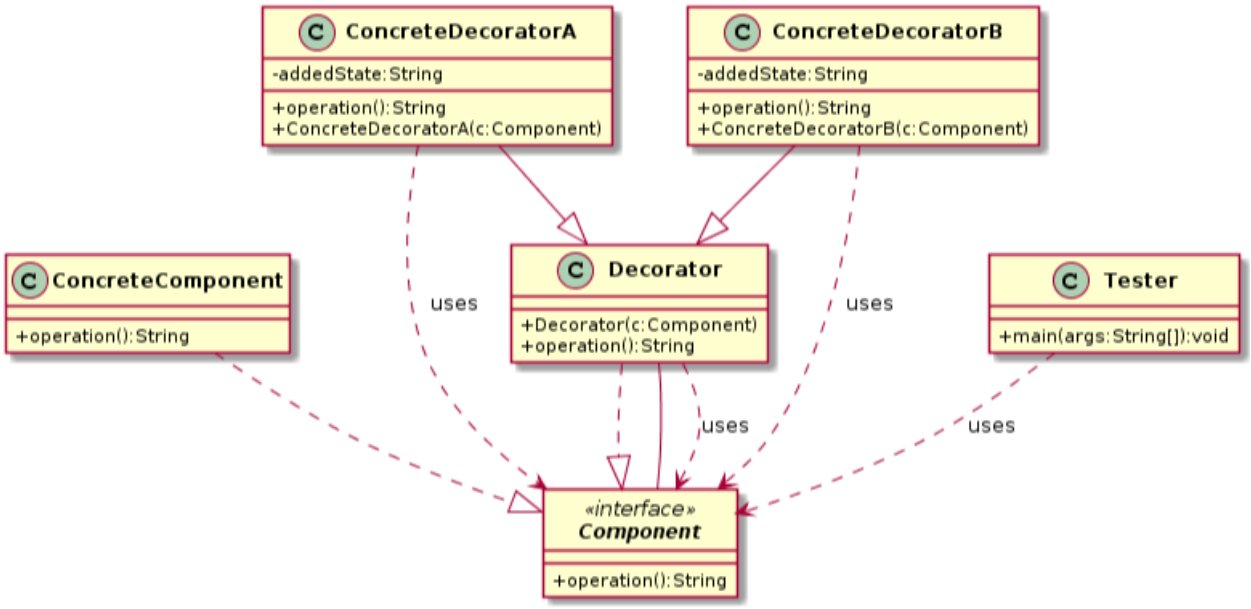
Test case: 3



Test case 4:



Test case: 5


ConcreteDecoratorA
-addedState:String
+operation():String
+ConcreteDecoratorA(c:Component)
ConcreteDecoratorB
-addedState:String
+operation():String
+ConcreteDecoratorB(c:Component)
ConcreteComponent
+operation():String
Decorator
+Decorator(c:Component)
+operation():String
Tester
+main(args:String[]):void
uses
uses
uses
uses
«interface»
Component
+operation():String