Tools for creating UML diagrams

• Violet (free) – http://horstmann.com/violet/

• Rational Rose – http://www.rational.com/

• Visual Paradigm UML Suite (trial)

 – http://www.visual-paradigm.com/ – (nearly) direct download link: http://www.visual-paradigm.com/vp/download.jsp?product=vpuml&edition=ce (there are many others, but most are commercial)

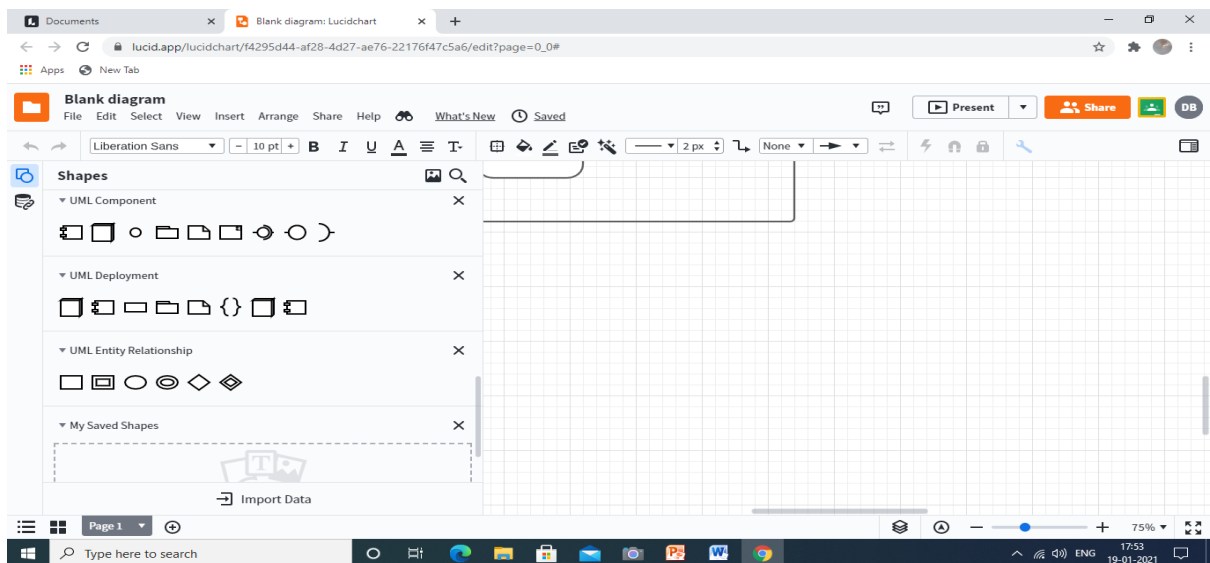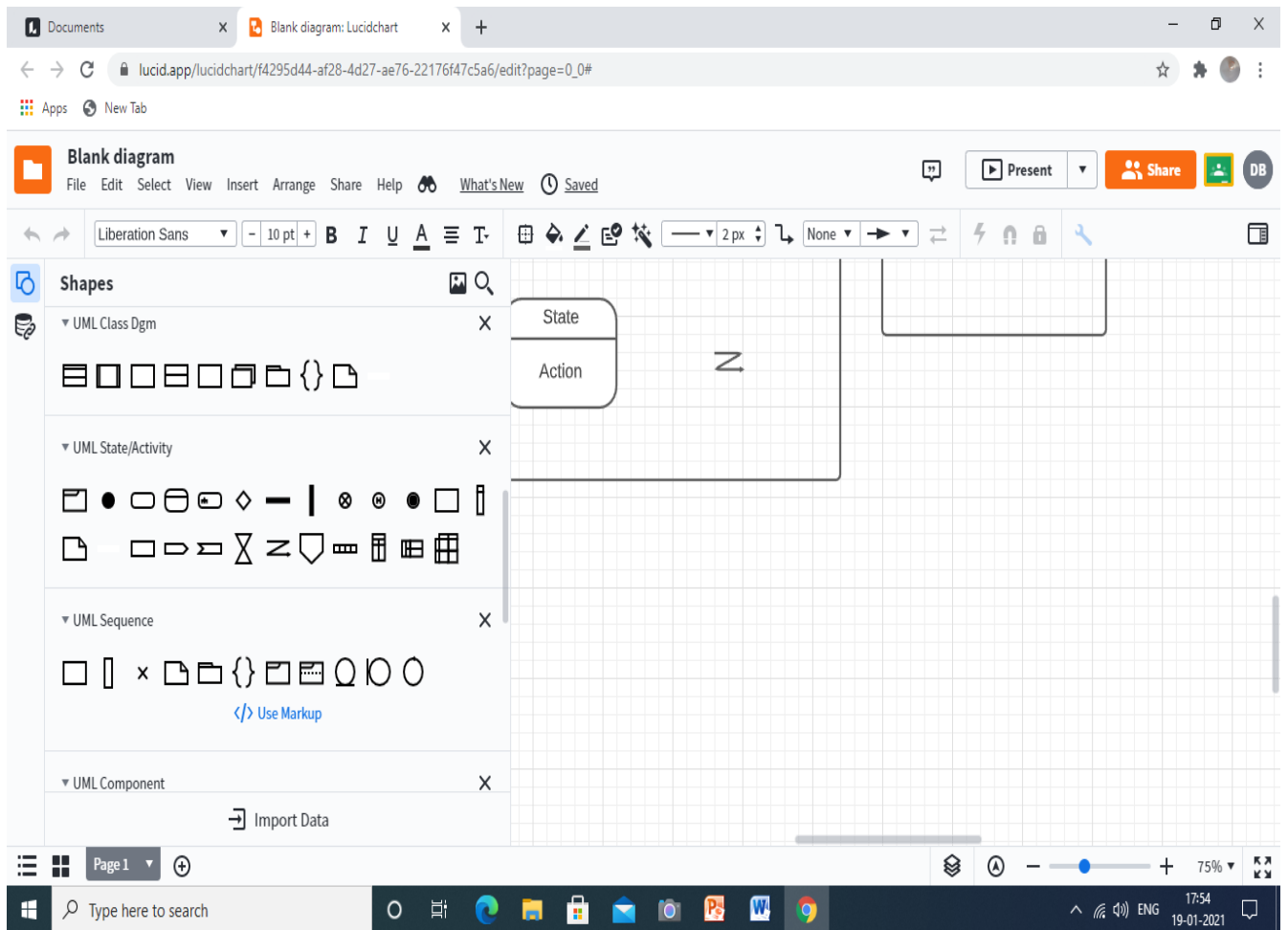   • **Intelligent diagramming for every team-lucid chart.**

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UML Diagram –select free suit.

https://lucid.app/lucidchart/f4295d44-af28-4d27-ae76-22176f47c5a6/edit?beaconFlowId=005D5A547ED01154&page=0_0#

   • **register with name login and any password.**
   • **Select free mode**
   • **go to blank diagram**
   • **shape, scroll down , you will get uml notations**

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1..Violet is a UML editor with these benefits:

- It is very easy to learn and use
- It draws nice-looking diagrams of the most commonly used types (class, sequence, state, etc.)
- It is completely free (includes source, distributed under the GNU General Public License)
- It is cross-platform

Violet is intended for students, teachers, and authors who need to produce simple UML diagrams quickly. It is not intended as an industrial strength tool. Programs such as Rational Rose, StarUML, ArgoUML, and so on, are fine choices for serious users of UML. However students and casual users may not like them because they are too hard to learn or too expensive. Mike Godfrey coined the slogan: **Roses are rational, violets are GNU.**

Here are some of the features that industrial-strength UML programs have and that Violet does *not* have

- Code generation. Violet does not generate any source code from UML diagrams.
- Reverse engineering. Violet does not generate UML diagrams from source code
- Semantic checking of models. You can use Violet to draw contradictory diagrams
- XMI export or import. Violet does not generate files that can be imported into other UML tools, nor can it read model files from other tools

If you just want to draw simple UML diagrams without too much fuss, chances are you'll like Violet. If you have more serious needs, check out one of the other programs.

A modern version of Violet is developed and maintained by Alex de Pellegrin. Get it from the SourceForge site.

This "classic" version lacks some of the amenities of the modern version such as undo/redo, cut/copy/paste.

My book "Object-Oriented Design & Patterns" discusses the graph editor framework that underlies Violet. I am keeping the classic version around so

that students can understand and modify the source code without being overwhelmed.

Downloading and Installation

1. Violet runs on any platform that has a Java Runtime Environment. If you don't have it, download and install the JDK or the JRE.
2. Download the JAR file: violet-0.16c.jar
3. Save the JAR file at a location of your choice. With some browsers, you need to right click (or click and hold) on the link and select "Save file as..." from the context menu.
4. Open a command shell and run

```
java -jar violet-0.16c.jar
```

5. The source code is inside the JAR file. Just unzip it

Classic Version Usage Guide

When the program starts, pick a diagram type from the File->New menu. The following types are currently available:

- Class diagrams
- Sequence diagrams
- State diagrams
- Object diagrams
- Use case diagrams

Each diagram window has a diagram-specific toolbar at the top. The first tool button (with the four "grabbers") is the "Select" tool.

The other tool buttons let you add nodes and edges to the diagram. Mouse over each node and read the tool tips to see what they do.