



# THE UNIVERSITY OF AZAD JAMMU AND KASHMIR

DEPARTMENT OF SOFTWARE ENGINEERING

ASSIGNMENT # 01

SEMESTER # 02, ROLL NO: 17

ASSIGNMENT: TO FIND OUT A UML TOOL AND DRAW  
UML DIAGRAM OF THE TASKS GIVEN IN WEEK 4.

UML Platform/ tool:

StarUML





# Why StarUML despite having hundreds of other UML Tools ?

StarUML stands out as a balanced choice, offering a modern, feature-rich, and cost-effective solution for software architects, developers, and analysts. Unlike bloated or outdated tools, StarUML provides:

1. A sleek interface
2. Strong extensibility
3. Cross-platform support

All the above written features make it a favorite tool among professionals who need efficiency without sacrificing functionality.



# MERITS

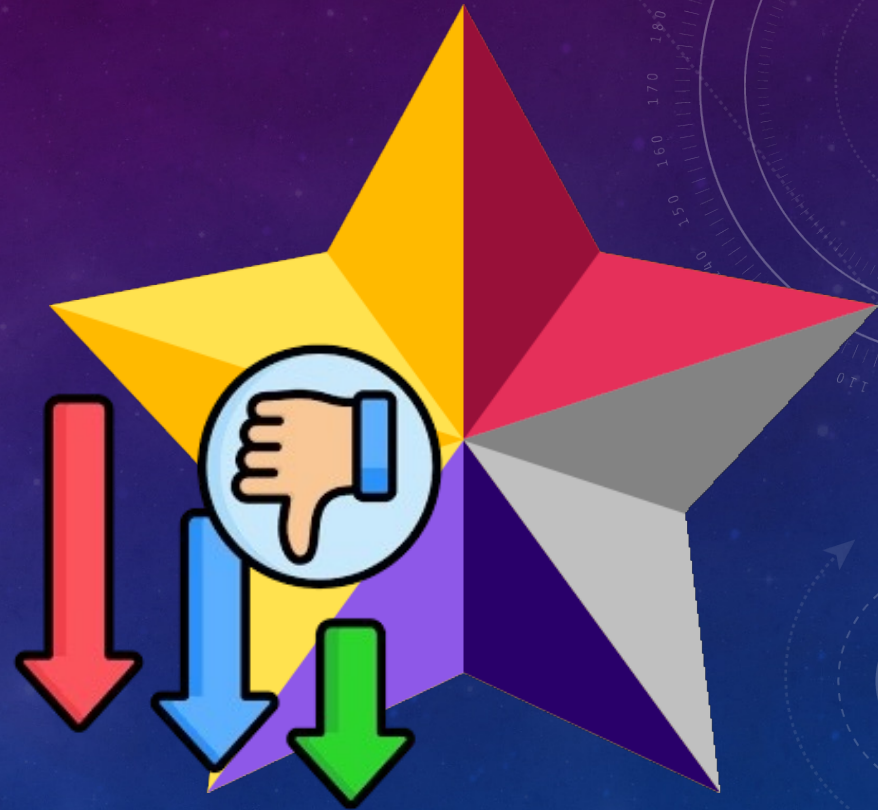
- ❖ User Friendly Interface.
- ❖ Light yet powerful.
- ❖ Available for Windows, Macintosh, and Linux as well.
- ❖ Allows to export content in JPEG, PNG, SVG, and GIF as well.
- ❖ Easy to install.
- ❖ Takes less space and memory relative to other UML tools.





# DE-MERITS

- ❖ Lacks realtime collaboration.
- ❖ Not an open source.
- ❖ Initially runs on trial basis, approx. 30 days.
- ❖ No AI or smart diagramming assistance.

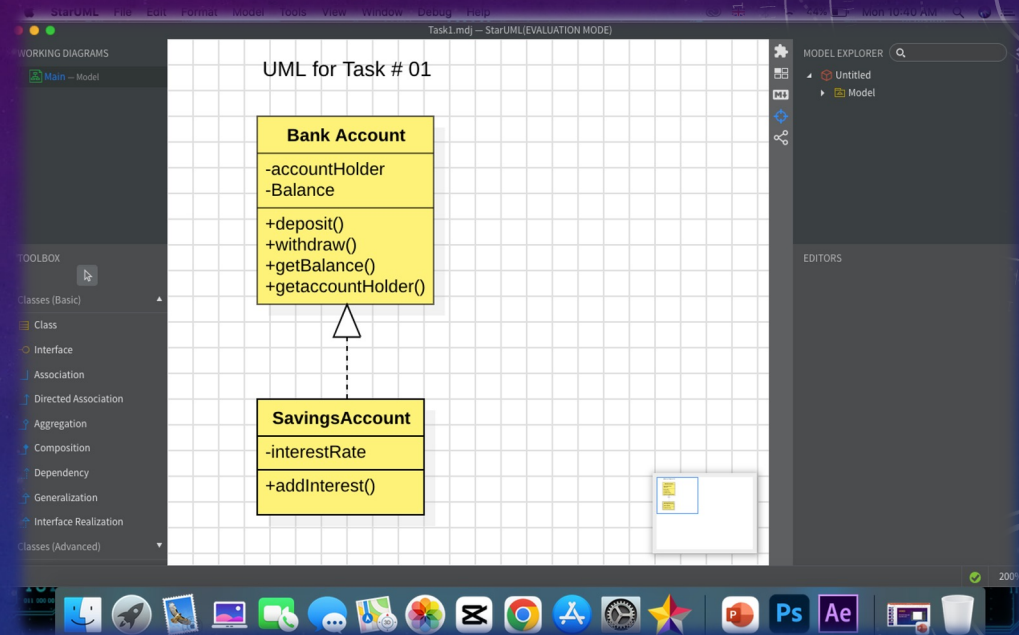


# TASK # 1 UML

Classes : 2

❖ One parent and one child.

Example: Single Inheritance.

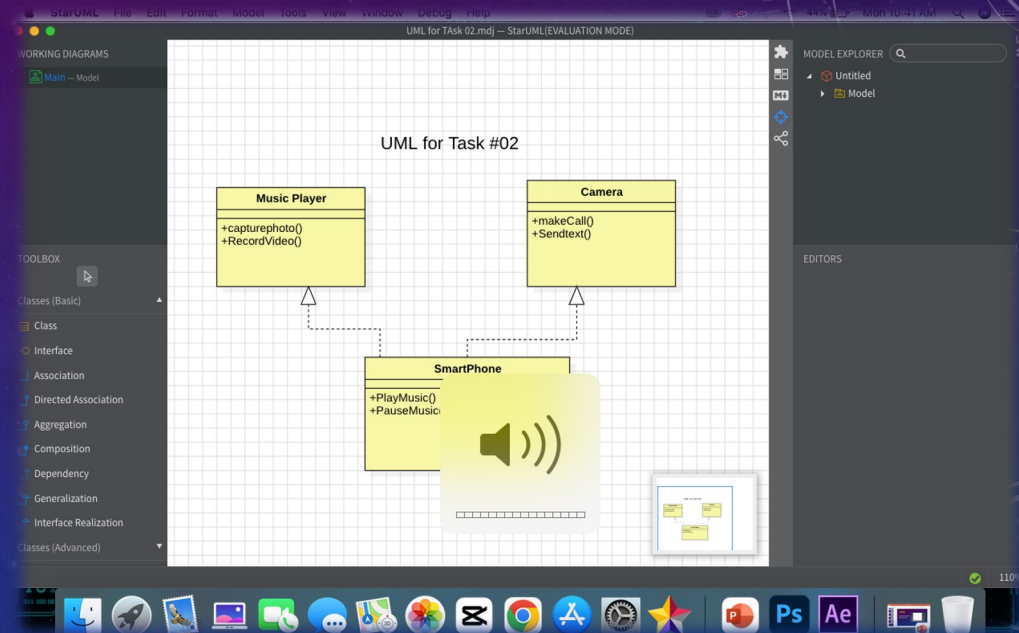


# TASK # 2 UML

Classes : 3

❖ Two parent and one child.

Example: Multiple Inheritance.



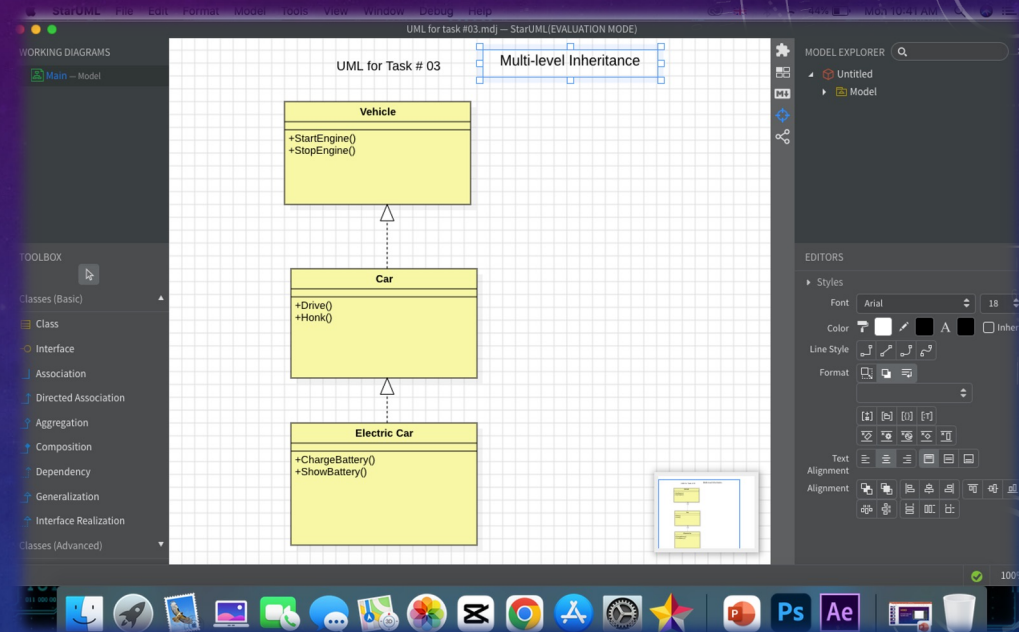


# TASK # 3 UML

Classes : 3

❖ One parent, one child, and one grand child as well

Example: Multi-level Inheritance.



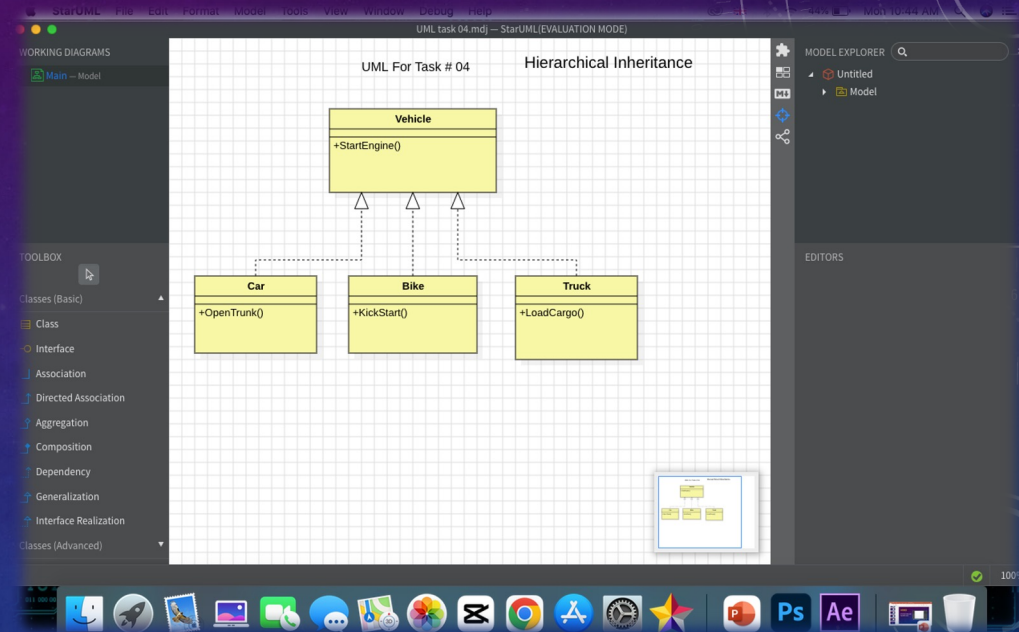


# TASK # 4 UML

Classes : 4

- ❖ One parent class is inherited by almost every derived class.

Example: Hierarchical Inheritance.

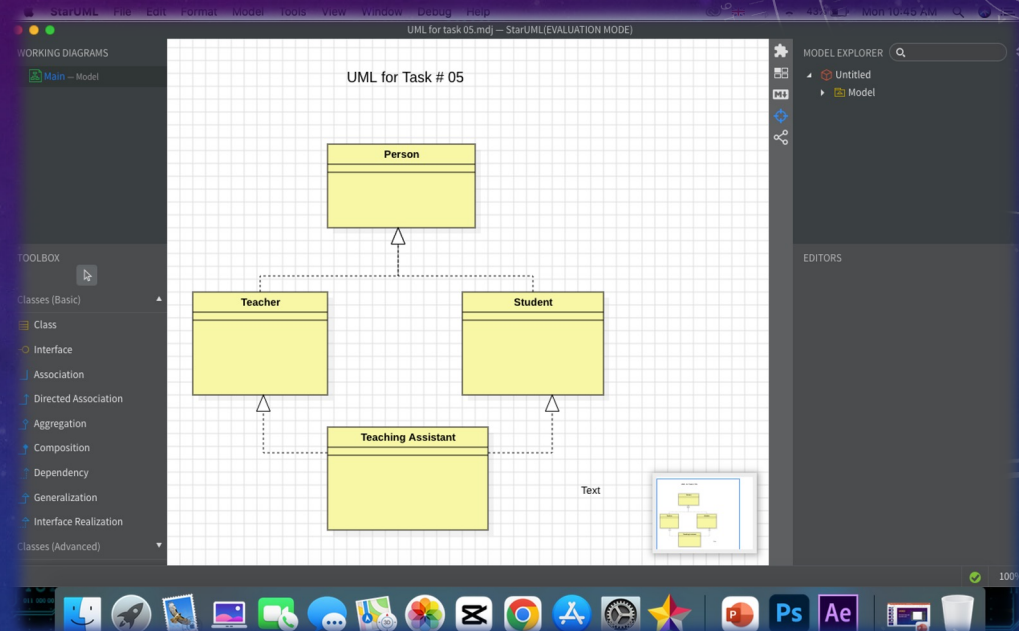


# TASK # 5 UML

Classes : 4

- ❖ One parent class is inherited by almost every derived class.

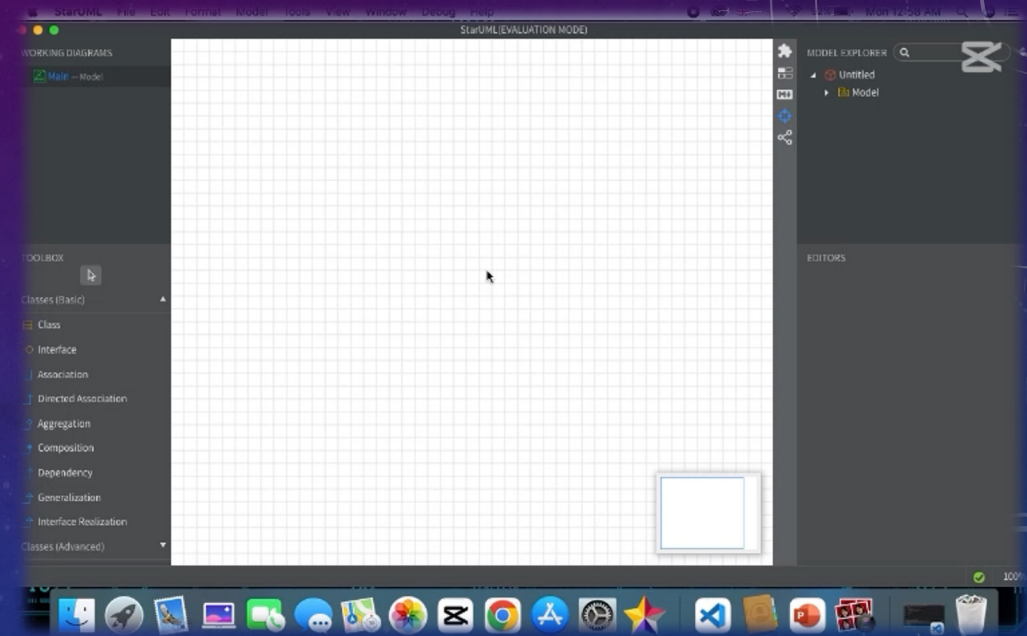
Example: Hybrid Inheritance.





# VIDEO

Of all the tasks and  
StarUML tools





# The End