

 Back To Course

 Learn 

Learn

 Quiz 

Learn

Quiz

We have combined Classroom and Theory tab and created a new Learn tab for easy access. You can access Classroom and Theory from the left panel.

 Why UML? 



Why UML?

## NOTES: Why UML?



Suppose there are two designers Alice and Bob creating designs of different parts of the software.

Now if Alice follows some conventions and Bob follows other conventions, then it becomes very difficult for Tom, the developer, to code these designs correctly.

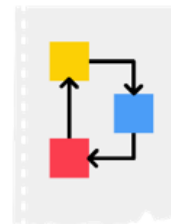
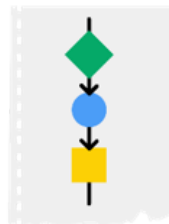
There should be some standard that must be followed by Alice and Bob, so that their designs are uniform, and seems unambiguous to TOM.



**Alice**  
Designer



**Bob**  
Designer



**Tom**  
Developer



**Alice**  
Designer



**Bob**  
Designer



**Tom**  
Developer

Here comes to the rescue, the UML i.e., **Unified Modelling Language**.

The **Unified Modeling Language (UML)** is a standard graphical language for modeling object-oriented software.

It was developed by three software engineers, James Rumbaugh, Grady Booch, and Ivar Jacobson.

In 2004 the Object Management Group (OMG) approved version 2.0 of UML.

Now, if Alice and Bob create a design by following UML conventions, their designs will be uniform and standard and will make the life of TOM much happier.

## - UML Diagrams



LIVE BATCHES

### UML Diagrams



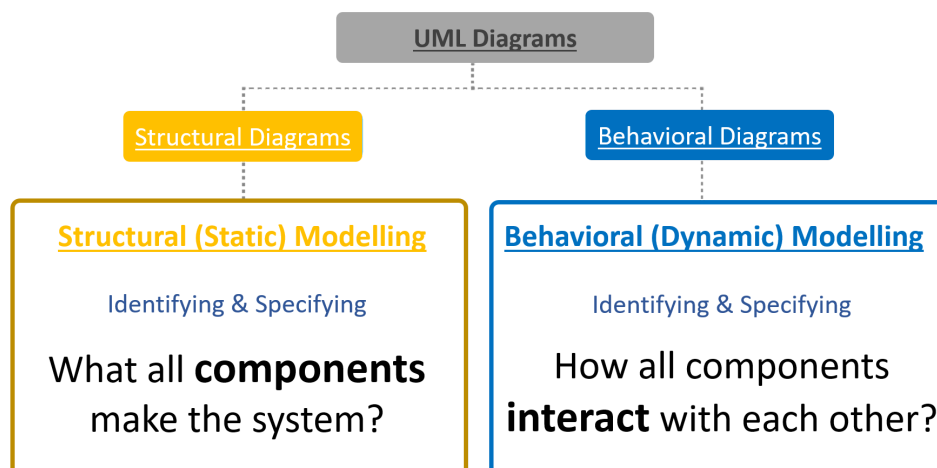
## - NOTES: UML Diagrams



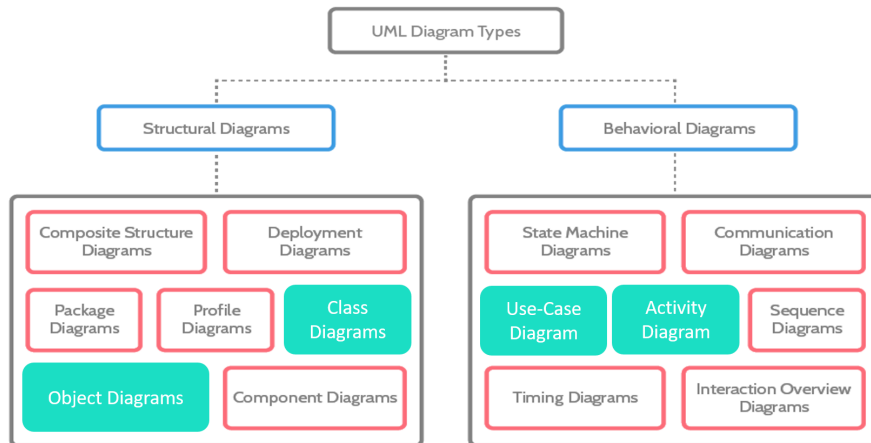
As UML is a graphical language, it supports two types of diagrams that can be classified as Structural and Behavioral.

The structural Diagrams are used to create a static model of the software. That is, it gives an idea about what all components build up the system.

The Behavioral Diagrams are used to create a dynamic model of the software. It tells how the different components or modules interact with each other.



Some of the structural and behavioral diagrams supported by UML are as shown:



Here in this course, we will dive deeper into class diagrams, object diagrams, and also use-case diagrams.

[🔔 Report An Issue](#)

If you are facing any issue on this page. Please let us know.



📍 5th Floor, A-118,  
Sector-136, Noida, Uttar Pradesh - 201305

✉️ [feedback@geeksforgeeks.org](mailto:feedback@geeksforgeeks.org)



## Company

[About Us](#)[Careers](#)[Privacy Policy](#)

## Learn

[Algorithms](#)[Data Structures](#)[Languages](#)

[Contact Us](#)  
[Terms of Service](#)

[CS Subjects](#)  
[Video Tutorials](#)

Practice

[Courses](#)  
[Company-wise](#)  
[Topic-wise](#)  
[How to begin?](#)

Contribute

[Write an Article](#)  
[Write Interview Experience](#)  
[Internships](#)  
[Videos](#)

LIVE BATCHES

@geeksforgeeks , All rights reserved

