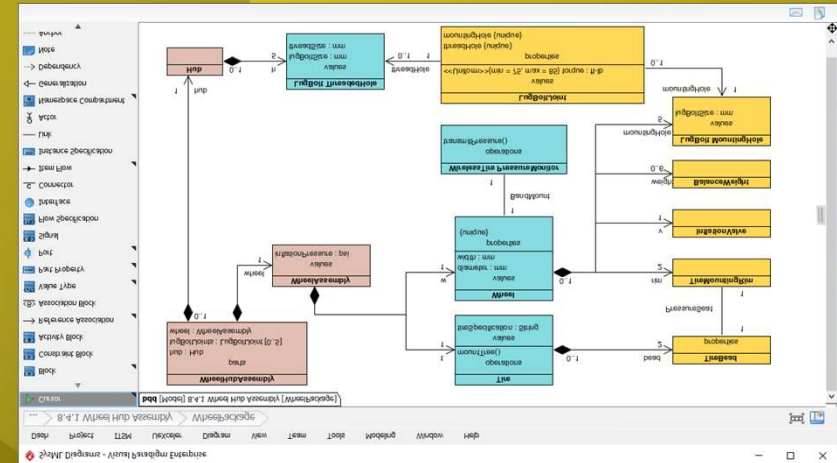# UML Modeling With Visual Paradigm
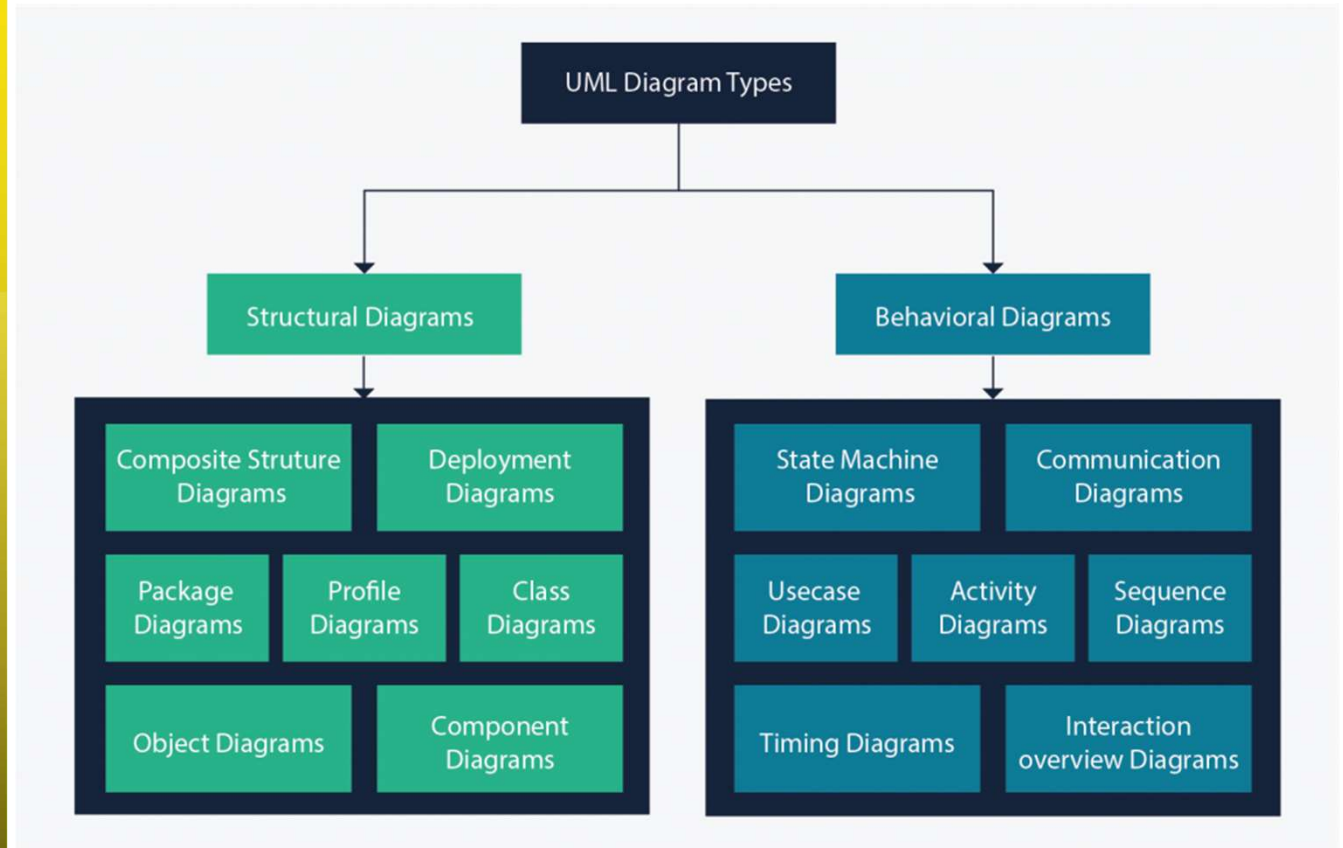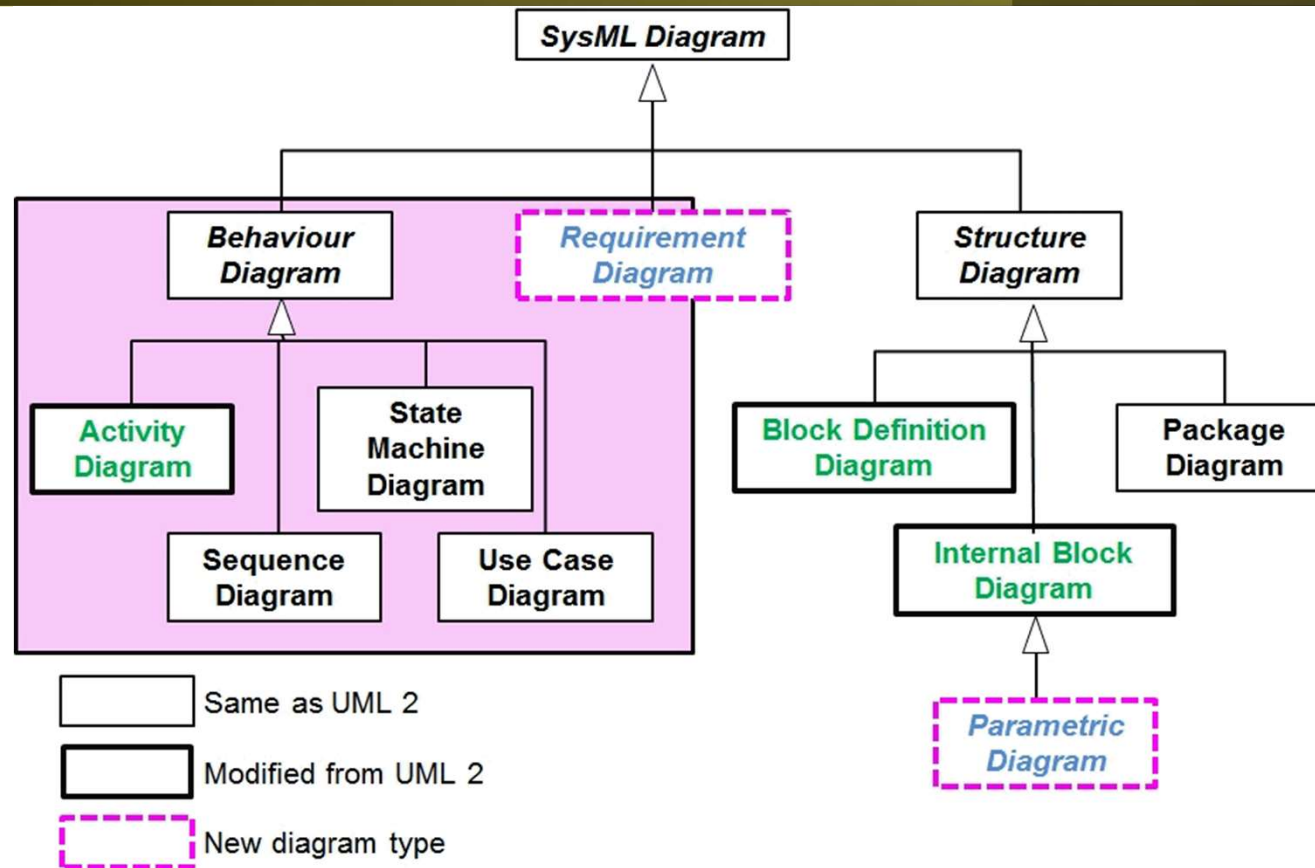
Introduction to Using a REAL Modeling Tool

UML Diagrams

SysML Diagrams

UML/SysML Diagram Relationships

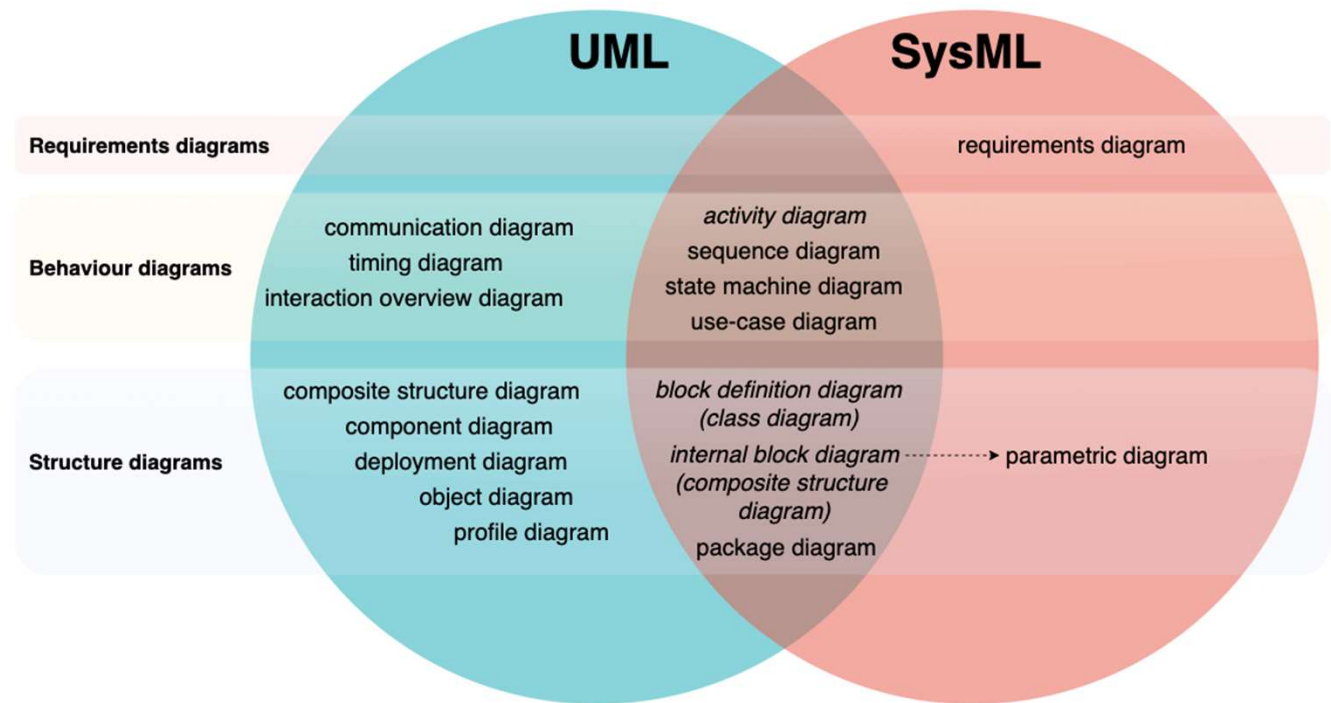|	UML		SysML
Requirements diagrams			requirements diagram
Behaviour diagrams	communication diagram timing diagram interaction overview diagram	*activity diagram* sequence diagram state machine diagram use-case diagram	
Structure diagrams	composite structure diagram component diagram deployment diagram object diagram profile diagram	*block definition diagram* *(class diagram)* *internal block diagram* *(composite structure diagram)* package diagram	parametric diagram

Diagram **Drawing** Options

- The following are all tools for making **diagrams**, NOT making **models**.

  - UMLet
  - Draw.io
  - Gleek.io
  - Lucidchart
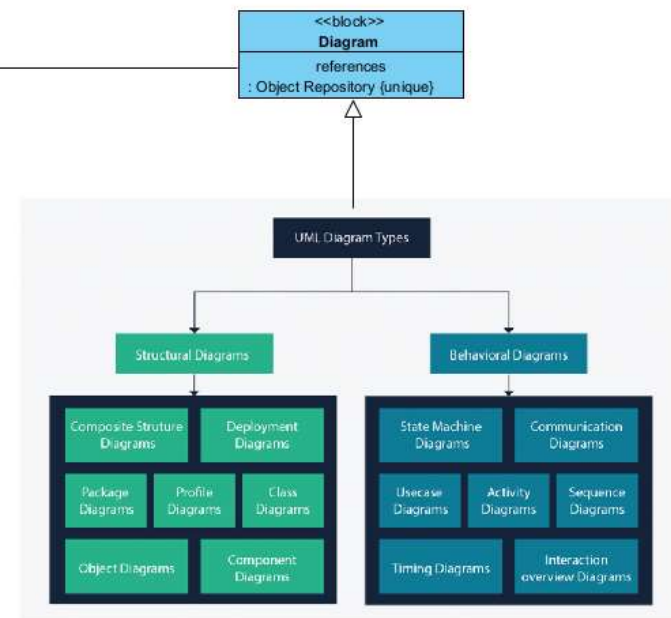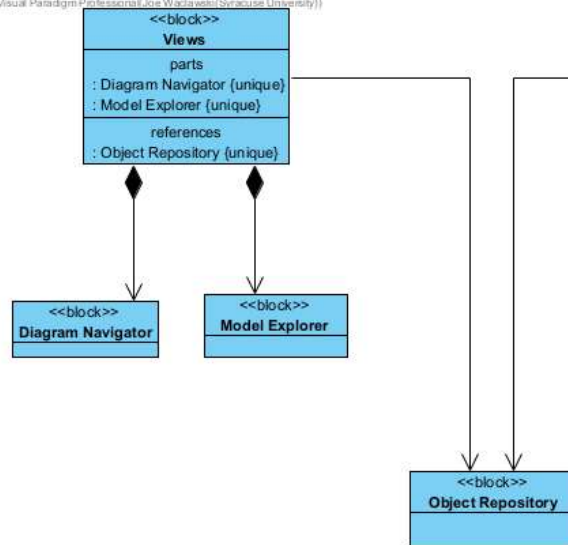 - Diagrams.net
  - MS Visio Professional
  - Many others….

UML Modeling Tool

- The following are UML Modeling Tools

  – Enterprise Architect
  – Cameo
  – Rhapsody
  – Magic Draw
  – StarUML
  – Others…

Why a UML Modeling Tool?

- UML Modeling tools allow you to generate complete and cohesive Analysis, Design, Implementation and Deployment models.

Visual Paradigm Features

- Unlimited Team Collaboration with Cloud Repository
- Document Generation
- SysML
- UML
- Export to XMI (OMG Standard), XML, Visual Paradigm Project
- Visual Paradigm Online – Provides web browser access to your online models.
- Available for Windows, MAC and Linux