



Sequence of UML diagrams [closed]

[Ask Question](#)

▲ What are the sequence that i need to follow when creating UML diagrams

-1

Can you number it and show it as mandatory?

*



In my thought its should be like below:



1

1. Use Case (mandatory)
2. Sequence (mandatory)
3. Activity
4. state
5. Collaboration
6. Class (mandatory)

Please correct if i m wrong !

[uml](#)[use-case](#)[sequence-diagram](#)

[edited Jun 22 '14 at 15:26](#)[Kevin Panko](#)

6,989 9 44 54

asked Jun 29 '11 at 9:50

[Jaison](#)

240 2 6 15

closed as primarily opinion-based by [Kevin Panko](#), [RiggsFolly](#), [Andrew Medico](#), [greg-449](#), [Mr Lister](#)
Jun 22 '14 at 19:02

Many good questions generate some degree of opinion based on expert experience, but answers to this question will tend to be almost entirely based on opinions, rather than facts, references, or specific expertise.

If this question can be reworded to fit the rules in the [help center](#), please [edit the question](#).

All of these are optional. Personally, I don't care much about UML. I don't think they're required to write software well. – [duffymo](#) Jun 29 '11 at 10:04

*

5 Answers



There is nothing like "*UML-based development approach*".

2

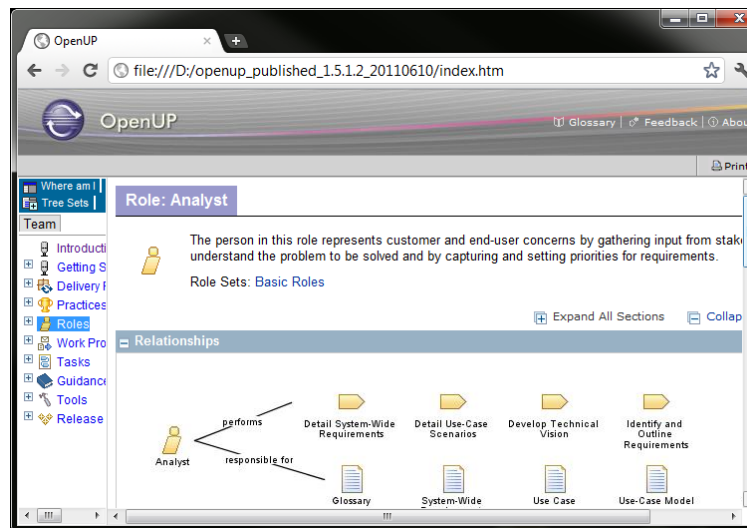
UML is just a notation. It is not a "process" which guide you:



Role ---> Activity ---> Artifact

If you want such a guide you can look Rational Unified Process. Or more light weight open version OpenUP

http://www.eclipse.org/epf/downloads/configurations/pubconfig_downloads.php can be downloaded

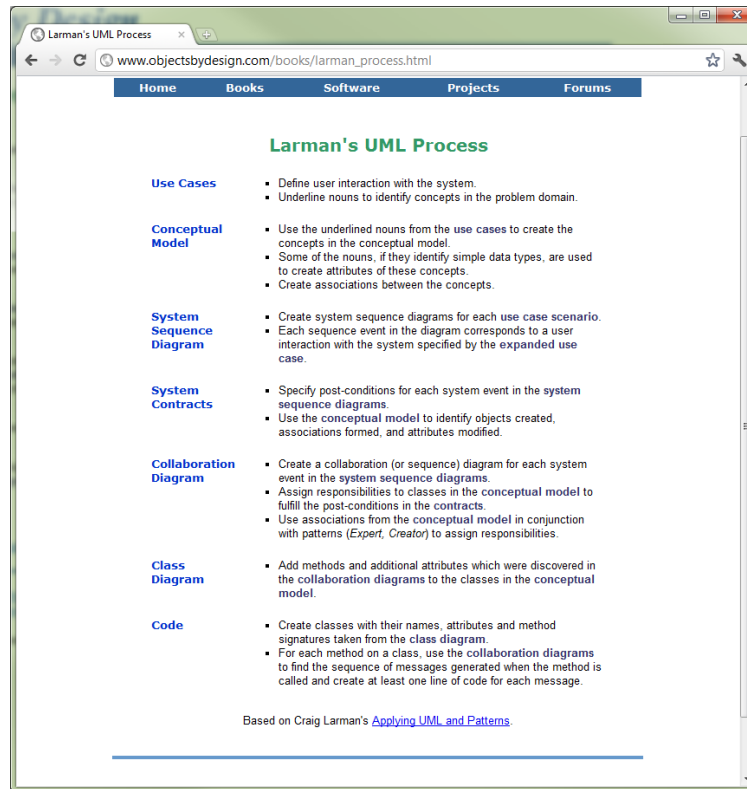


But none of the software process are "like" go and buy clothes. All process should be tailored for your project specific needs. Otherwise "process" will just kill your software project. **Sfinnie is absolutely right.**

In his book Larman (Applying UML and Patterns: An Introduction to Object-Oriented Analysis and Design and Iterative Development) apply Rup with Uml in a light weight way.

Here is a short decription of his way of using Uml
(http://www.objectsbydesign.com/books/larman_process.html)

*



Be carefull DO NOT DEAD BY UML FEVER!!! [Death by UML Fever](#)

answered Jul 1 '11 at 8:06



[Novalis](#)

1,120 5 29 58

*

Use case diagram, Class diagram, Object diagram, State

[Home](#)

PUBLIC

 [Stack Overflow](#)[Tags](#)[Users](#)[Jobs](#)

Teams

Q&A for work

[Learn More](#)

N CAUTION CAUTION

~UNDER
CONSTRUCTION~

Big changes for Y2K!

[Learn more about
upcoming changes](#)[Go to the future](#)

2

diagram, Sequence diagram, Collaboration diagram, Activity diagram, Deployment diagram, Component diagram

for reference use below link

<http://www.globalshiksha.com/What-is-the-sequence-of-UML-diagrams-in-project-/ugc/4151036607101480>

answered Jun 29 '11 at 10:01

[deepi](#)

1,000 8 17

0

In the general sense there is no sequence you "need" to follow and no diagram is mandatory.

There are UML-centric methodologies (e.g. RUP, FDD, ICONIX as mentioned elsewhere) that prescribe an ordering and which diagrams should be produced.

So the answer to your question as written is:

- If you're using a specific methodology - **and** sticking rigorously to it - then it will tell you what to produce when.
- Otherwise there is none.

If you're trying to adopt a UML-based development approach then I'd suggest you look at the various methodologies and decide which to use - which will answer your question.

However. Overriding all of that: UML is a set of tools. Use them as and when useful, and don't be a slave to process for process' sake.

hth.

answered Jun 29 '11 at 13:55

[sfinnie](#)

*

CAUTION CAUTION



8,204 1 27 41

0

Your ordering looks about right, but I'm not sure if there is a mandatory sequence for creating UML diagrams for a project. You should really be able to dip in and out of UML when it suits you.

If you want to put a structure on how you use UML, you should have a look into the various software modelling processes that are out there. One that I have used quite a bit is the ICONIX process, <http://www.informit.com/articles/article.aspx?p=167902>. This is a light weight process based on use cases.

answered Jun 29 '11 at 10:04

[johnB](#)

203 1 3 13

-2

In IT projects we create so-called project diagrams based on UML diagrams. In the majority of projects using UML diagrams (Choi, H., Yeom, K.: An Approach to Software Architecture Evaluation with the 4+1 View Model of Architecture. In: Ninth Asia-Pacific Software Engineering Conference, pp. 286—293. IEEE Computer Society, 2002), (Kennale M.: The 3+1 Views of Architecture (in 3D): An Amplification of the 4+1 View-point Framework. In Seventh Working IEEE/IFIP Conference, pp. 299—302. IEEE Computer Society, 2008), use case diagrams are developed at the beginning of software development to describe the main functions of the software-based system. Then class diagrams are created to show the structure of the system, and state machine diagrams are built to show the behaviour of system's elements (Issa A., Abu Rub F.A.: Performing Early Feasibility Studies of Software Development Projects Using Business

*


Process Models, Proceedings of the World Congress on Engineer-ing 2007 Vol I WCE 2007, July 2 - 4, 2007, London, U.K.), (Dijkman R.M., Joosten S.M.: An Algorithm to Derive Use Case Diagrams from Business Process Models, 6th International Conference on Software Engineering and Applications (SEA), Anaheim, CA, USA, Acta Press, pp. 679-684, 2002). Subsequently activity or sequence diagram can be used in order to verify consistency of other diagrams. These diagrams are also using visualizing scenarios i.e. – use case realization diagrams. But in my UML projects first I create context diagram based on activity UML diagram. Context diagram contains one main process, a few events on input, and a few products or services on output. Then I create decomposition diagram, which next enable to build busioness use case diagram. Now, for each use case, I first prepare use case realisation diagram based on activity diagram. From each use case realisation diagram I derive: class, state, and system uses case diagrams. Next I may create a sequence diagram based on the system use case diagram to show intrnal behaviour and structure of IT system. In the end I create component diagram (based on the sequence diagram), and deployment diagram (based on the component diagram). Stanisław Jerzy Niepostyn, project-media.pl

answered Jun 22 '14 at 14:57



[Stanisław Jerzy Niepostyn](#)

1

-
- 1 Please format your answer and make it more readable. – [Rajat Jun 22 '14 at 15:18](#) 
-

*