

- Rational Software Modeler (IBM)
- StarUML (Open Source Project)
- Visual Paradigm for UML (Visual Paradigm)



Initial Context

It already has class diagrams and software system use cases, and it is desired to describe use cases or scenarios..



Result Contextt

It has a diagram showing the sequence of messages between objects in a given scenario. At least one sequence diagram for each use case diagram.



Problem

It is desired to create a graphical representation of the interactions between objects in chronological order, which also shows the sequence of messages exchanged between the objects to perform the functions described by a scenario or use case.



Restrictions (*Forces*)

- **Type of Organization:** SMEs, Large Companies.
- **System Type:** It applies to all types of systems.
- **Programming Paradigm:** OO (Object Oriented).



Roles

- Analyst
- Customer
- Project Manager
- System Users



Lessons Learned

- None



Capability Level

- Not applicable.



Basic Knowledge and Skills



Knowledge

- Intermediate knowledge of UML.
- Interpretation of use case and class diagrams.



Abilities

- Capacity of abstraction.
- Holistic or systemic view of problems.



Information Resources

- Amescua A., et al. (2003). *Análisis y Diseño Estructurado y Orientado a Objetos del Sistema Informáticos*. McGraw Hill/Interamericana de España, S.A.U.
 - Ferré Grau, X & Sanchez-Segura, M. (2004). *Desarrollo Orientado a Objetos con UML*. Recuperado el 2009-11-26 de <http://www.clikear.com/manuales/uml/index.aspx>.
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 - Jacobson, I. & Booch, G.(1999). *The unified software development process*. Addison-Wesley.
 - Rumbaugh, J. & Jacobson, I. (2005). *The unified modeling language reference manual*. Addison-Wesley.
 - Rumbaugh, J. (2005). *Object-Oriented Modelling and Design*. Prentice Hall.
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