Sequence Diagrams

COMPUTER SCIENCE 323 – SOFTWARE DESIGN

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UML Sequence Diagrams

Help model the behavior between multiple objects at the message passing level.

Modeling with Sequence Diagrams will help show how the system behaves with respect to what messages are passed between objects, and their method relationships.

Example UML

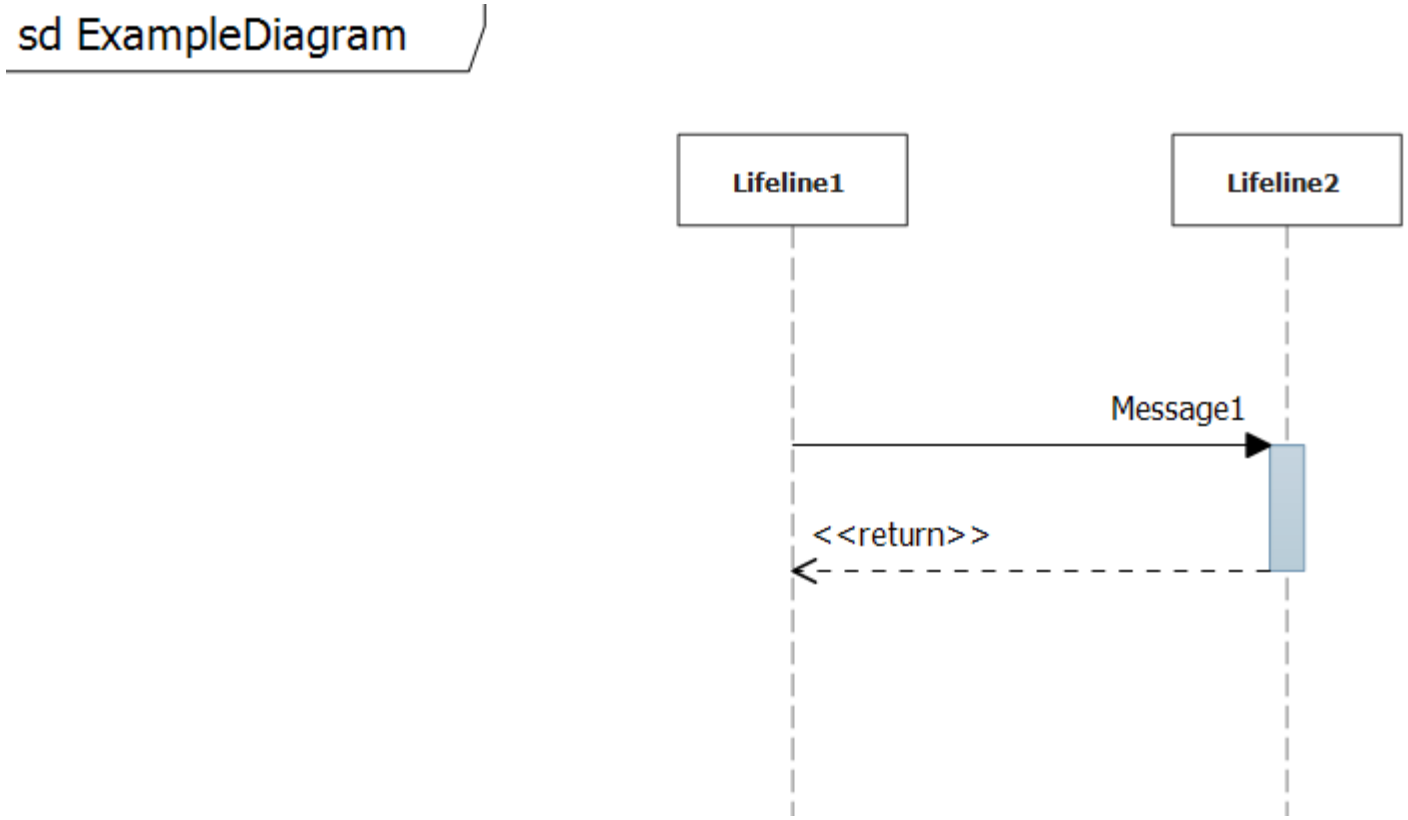


Diagram Components

Loops

- A Fragment with a guard

References

- References another sequence diagram (SD) so that the complexities can be shown there, instead of having a large complex SD.
  - Gates
    - Show messages being passed between SD's

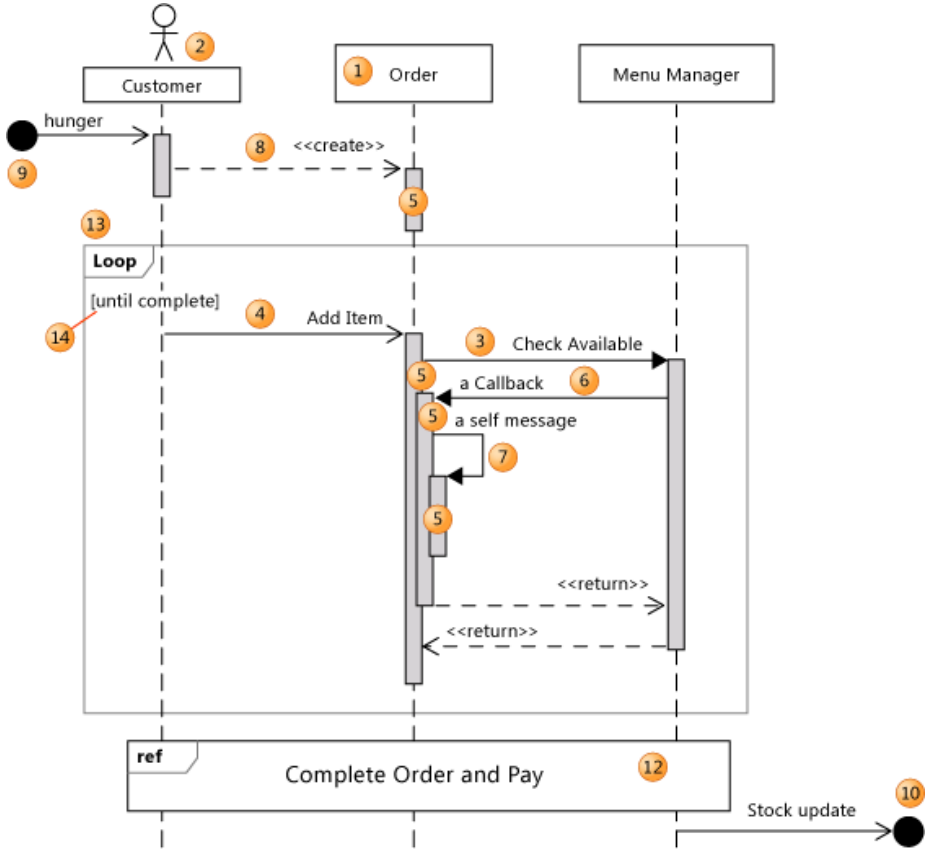
Breaks

- Parallel – show concurrency

MSDN Support

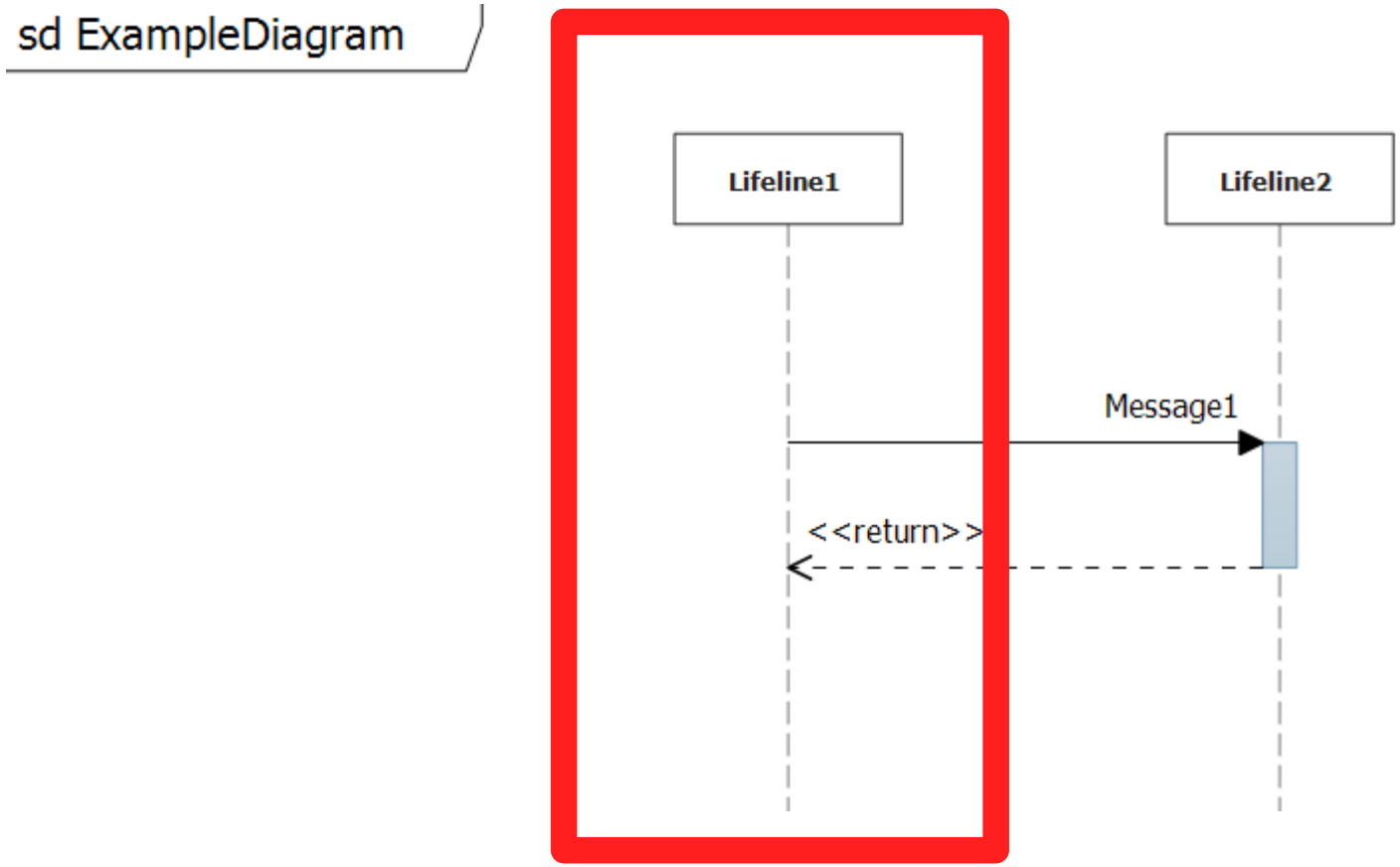
http://msdn.microsoft.com/en-us/library/vstudio/dd409377.aspx

Microsoft Example

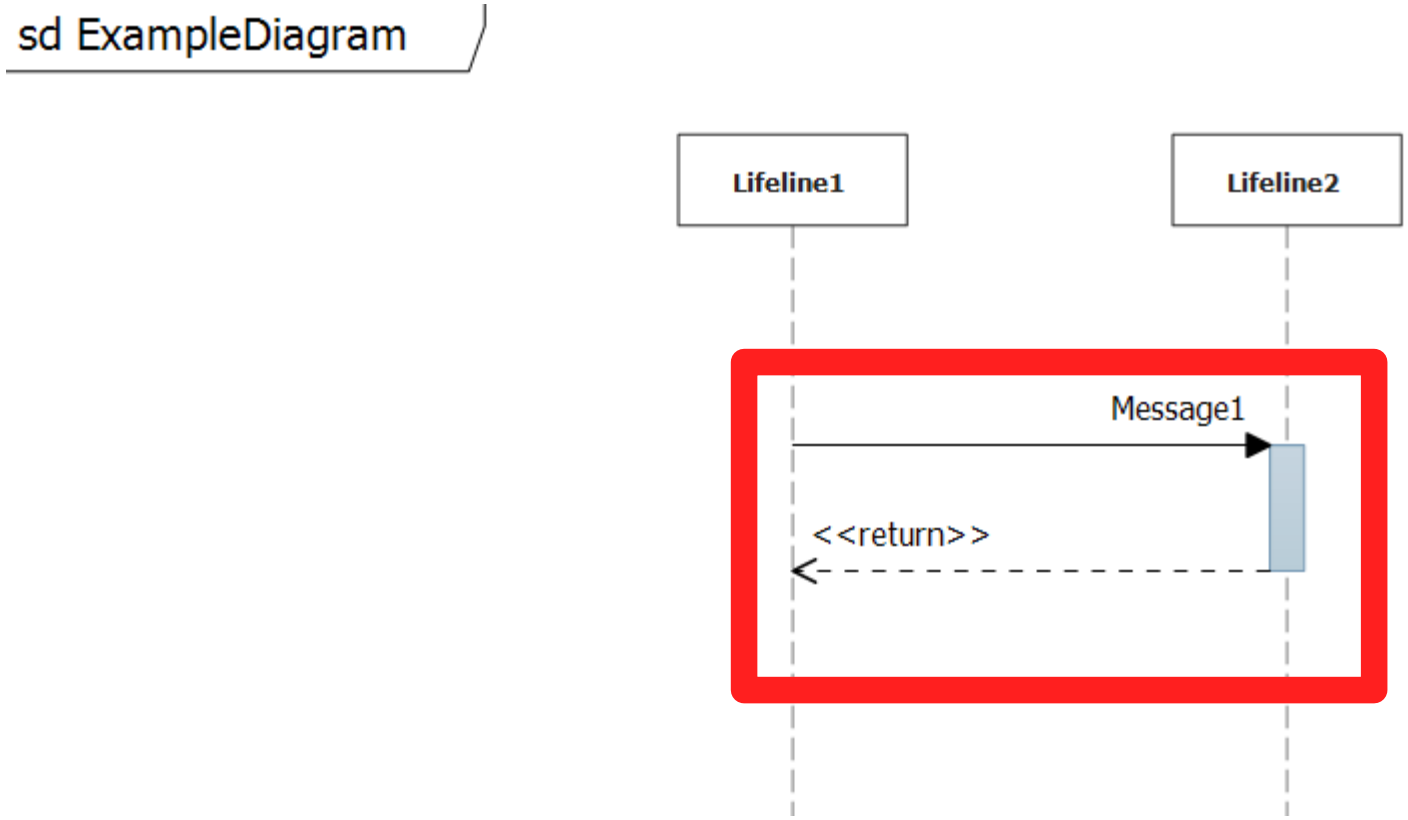


http://msdn.microsoft.com/en-us/library/vstudio/dd409377.aspx

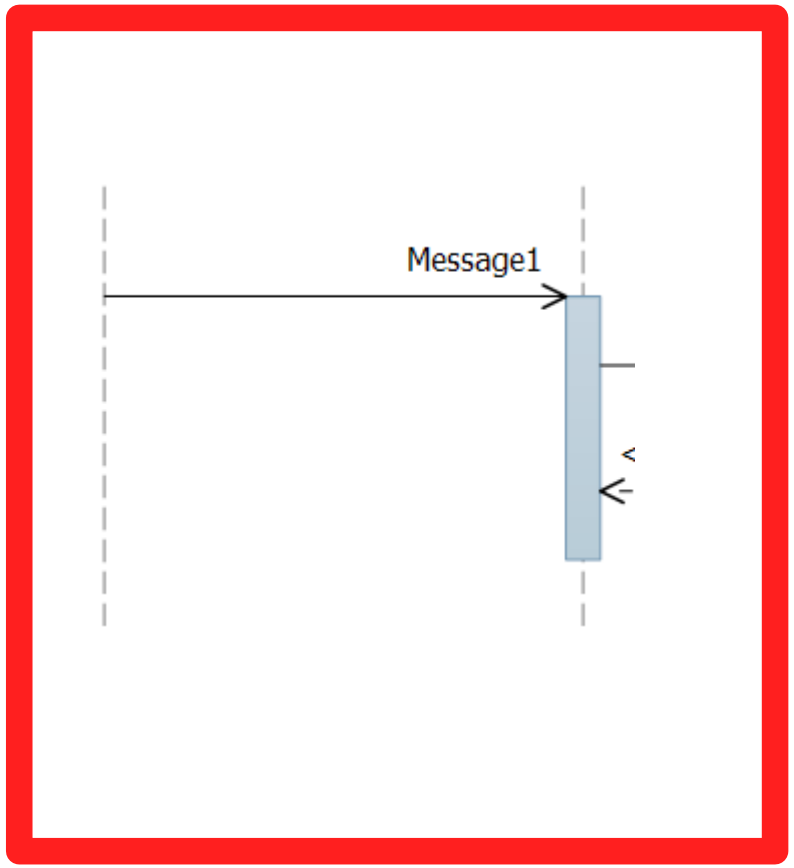
Lifeline



Message and Return



Asynchronous Call



Call to self…