

UML



Zunifikowany Język Modelowania

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UML

Unified Modeling Language - *Zunifikowany
Język Modelowania* zarządzany przez *Object
Management Group*.

Przeznaczony głównie do modelowania systemów informatycznych.

Typy diagramów

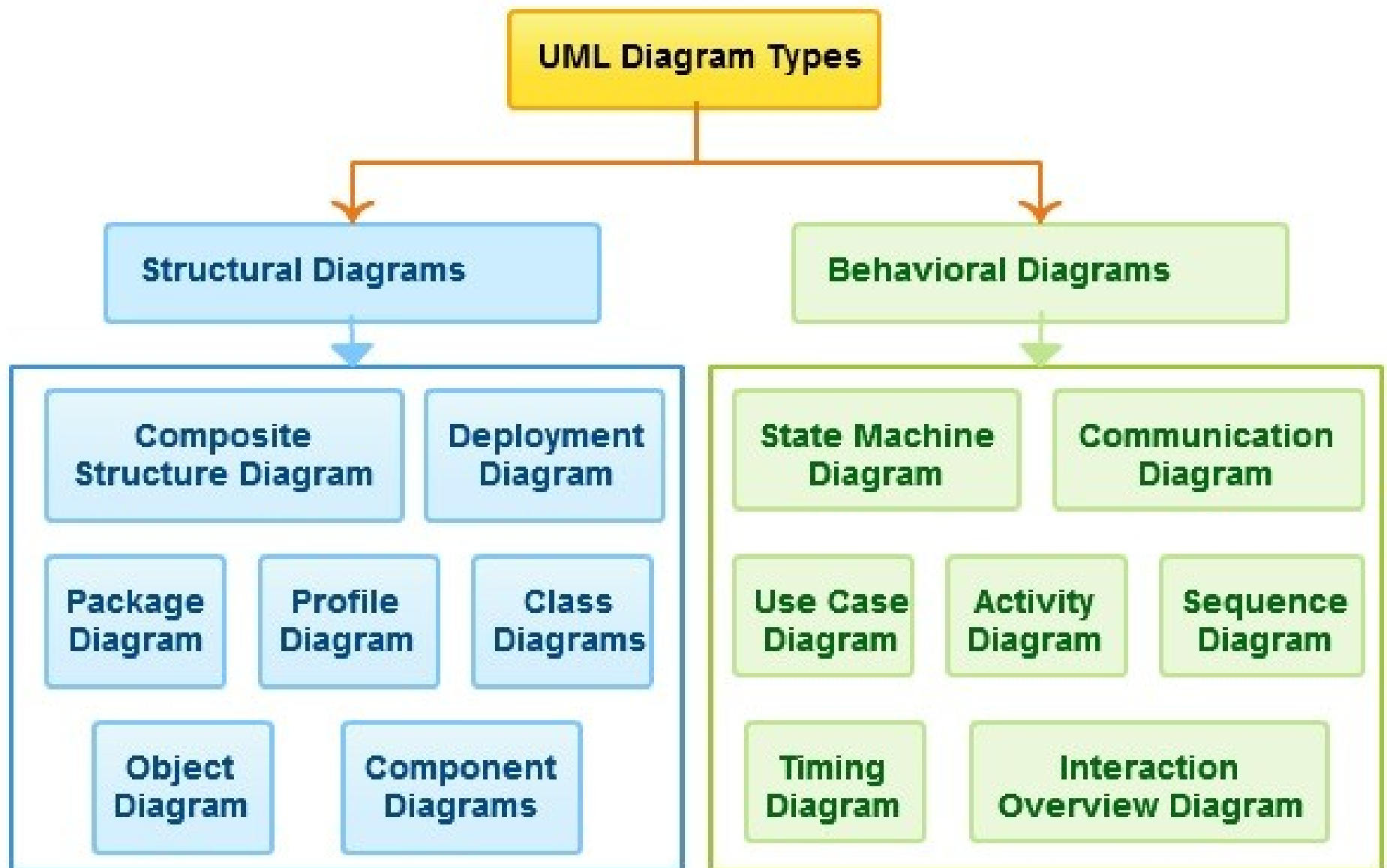
- **Class Diagram**
- **Component Diagram**
- **Deployment Diagram**
- **Object Diagram**
- **Package Diagram**
- **Profile Diagram**
- **Composite Structure Diagram**
- **Use Case Diagram**
- **Activity Diagram**
- **State Machine Diagram**
- **Sequence Diagram**
- **Communication Diagram**
- **Interaction Overview Diagram**
- **Timing Diagram**
- ...

Typy diagramów

UML 2.2

14 diagramów głównych oraz 3 abstrakcyjne

Typy diagramów



System informatyczny

Diagramy

1.Przypadków użycia

Use Case

2.Sekwencji

Sequence

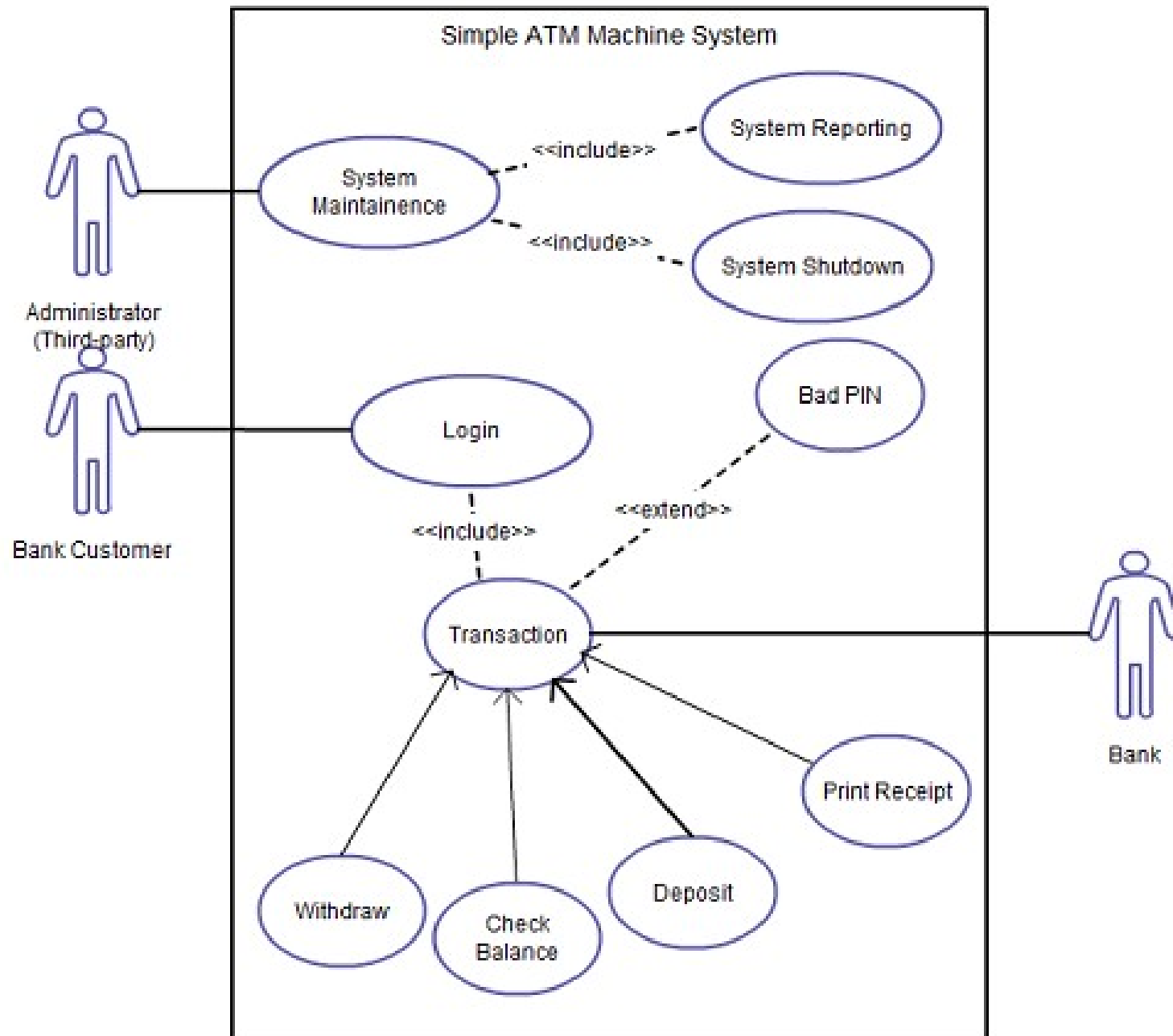
3.Klas

Class

4.Aktywności

Activity

Use Case Diagram



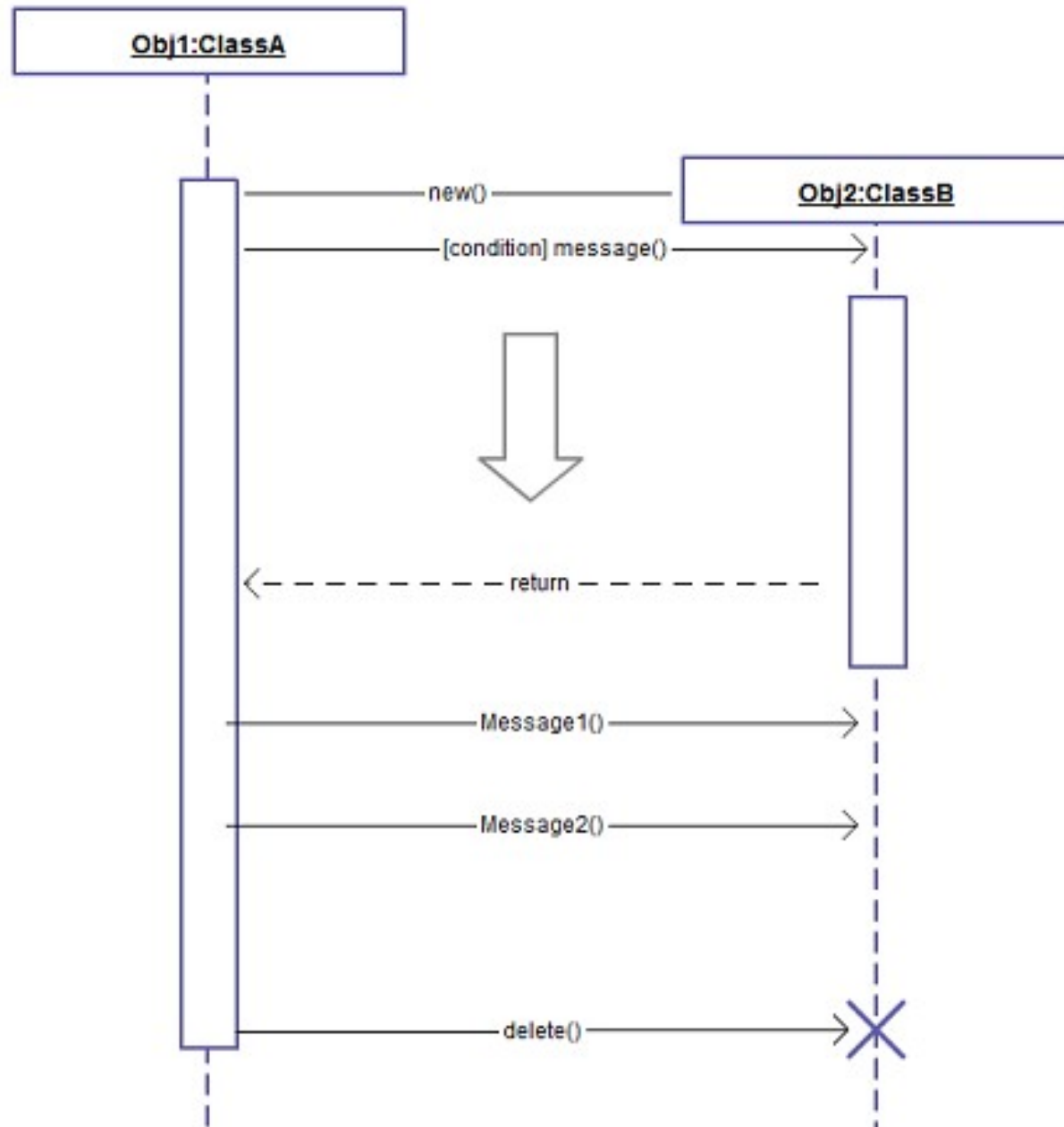
Use Case Diagram

<http://creately.com/diagram-type/use-case>

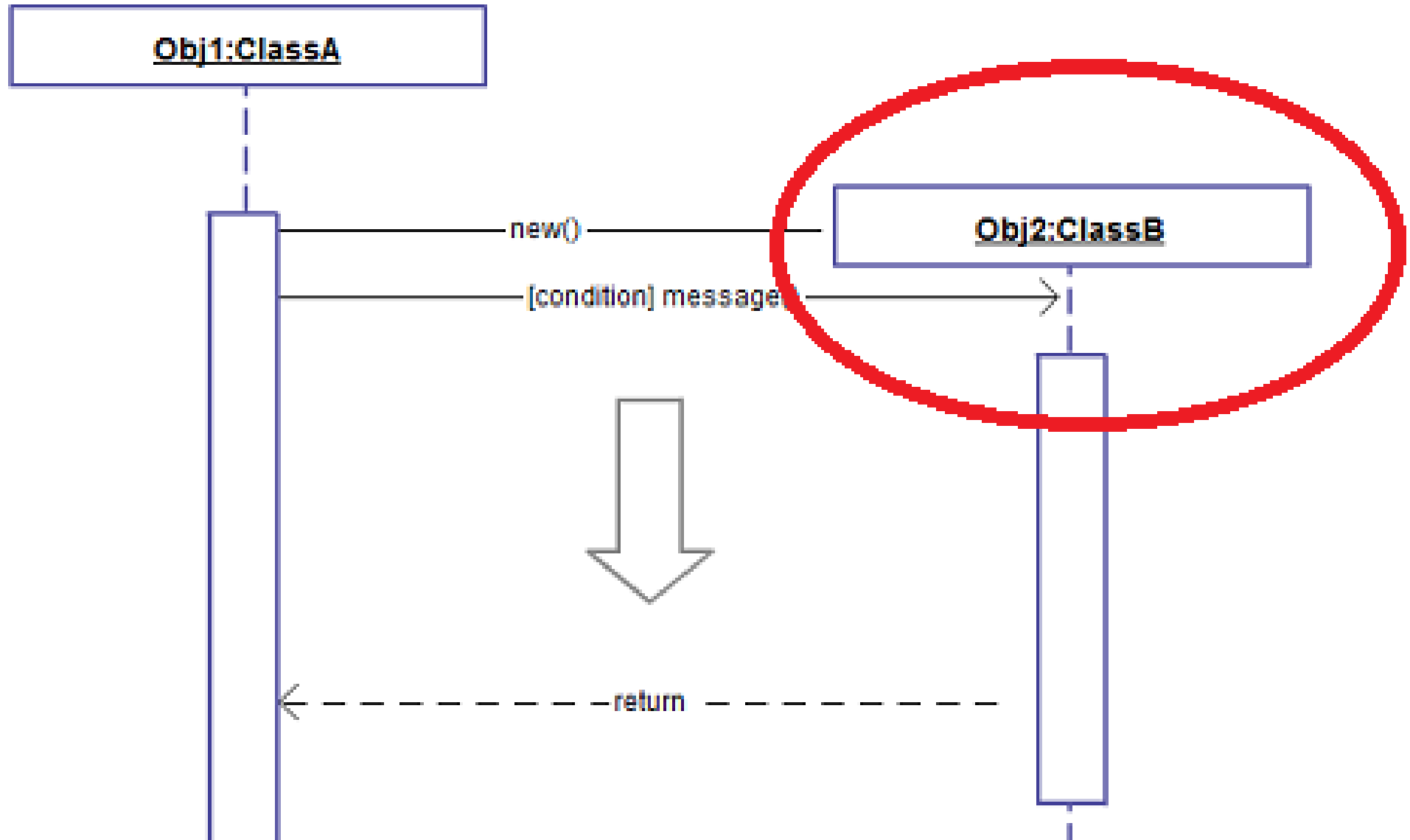
UML dla MS Visio 2010

<http://www.softwarestencils.com/uml/index.html>

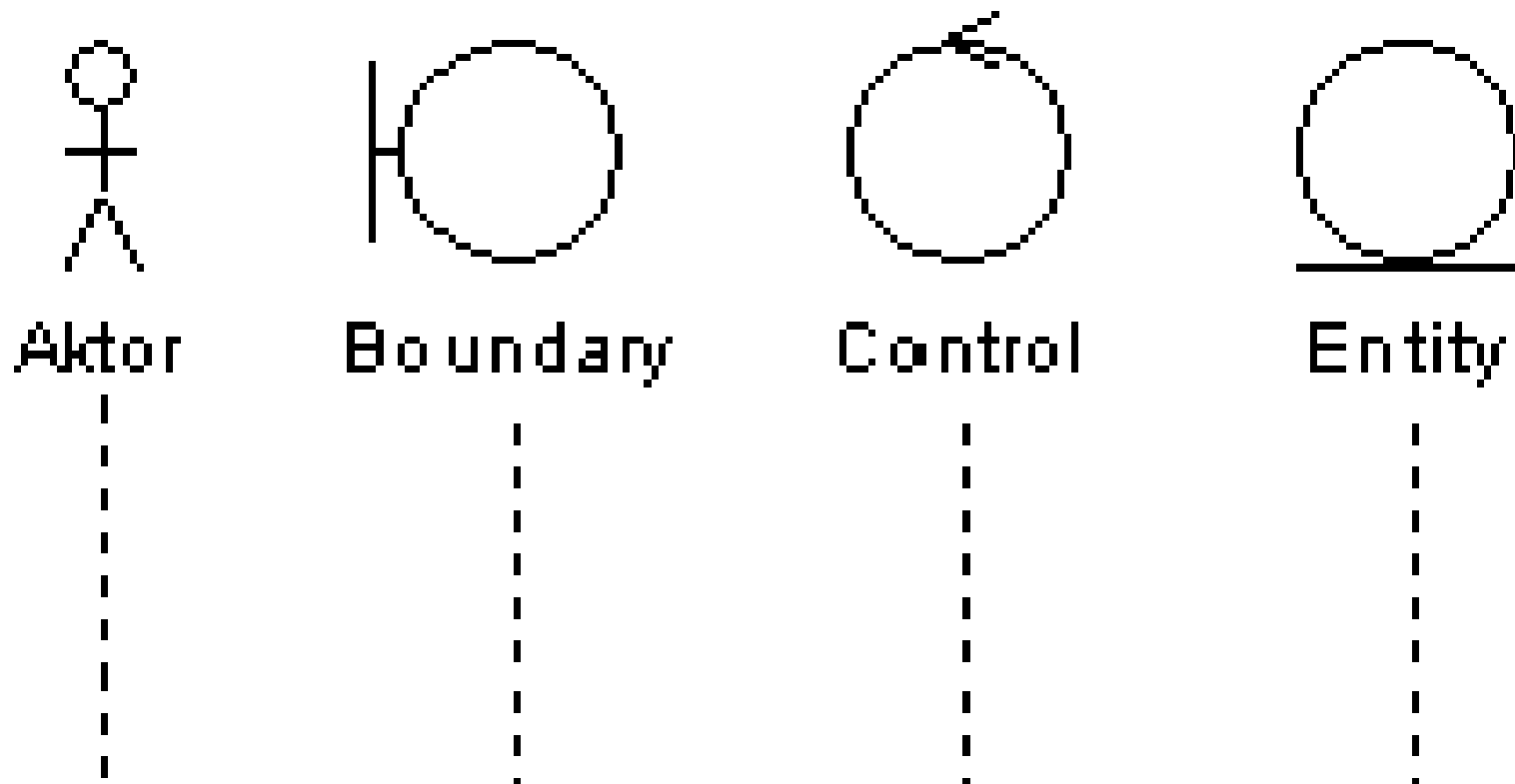
Sequence Diagram



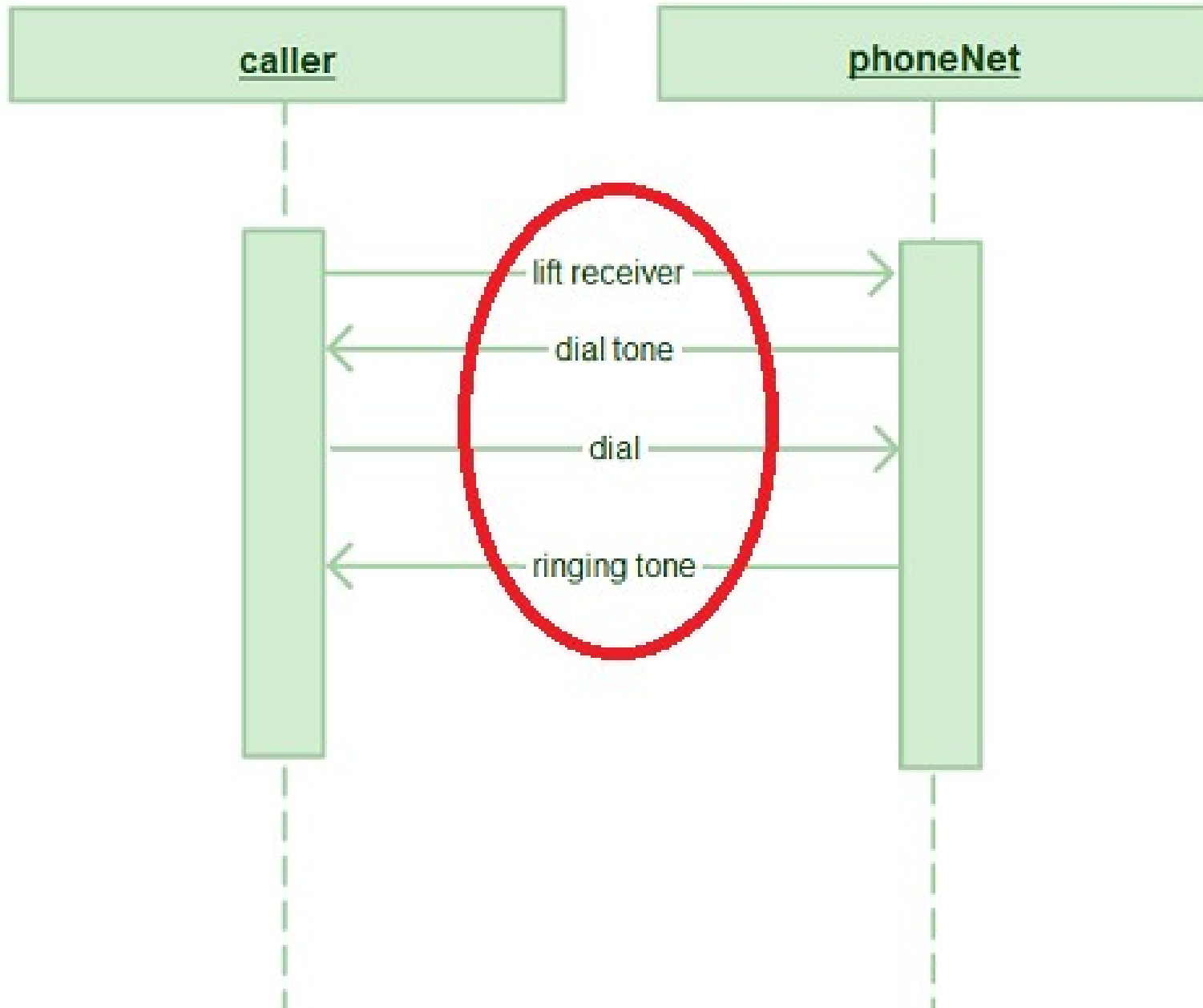
Sequence Diagram - Lifelines



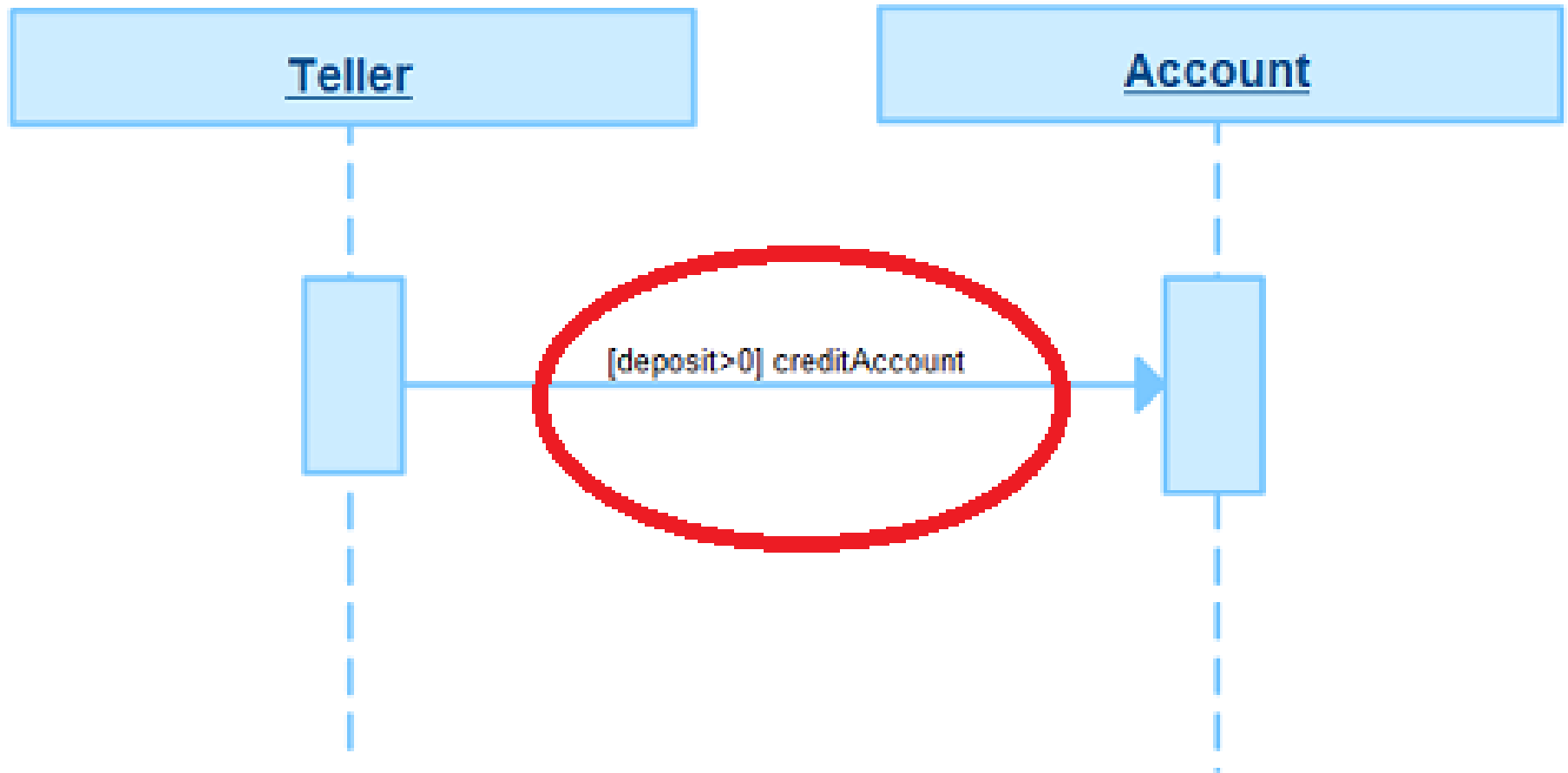
Sequence Diagram - Lifelines



Sequence Diagram - Messages



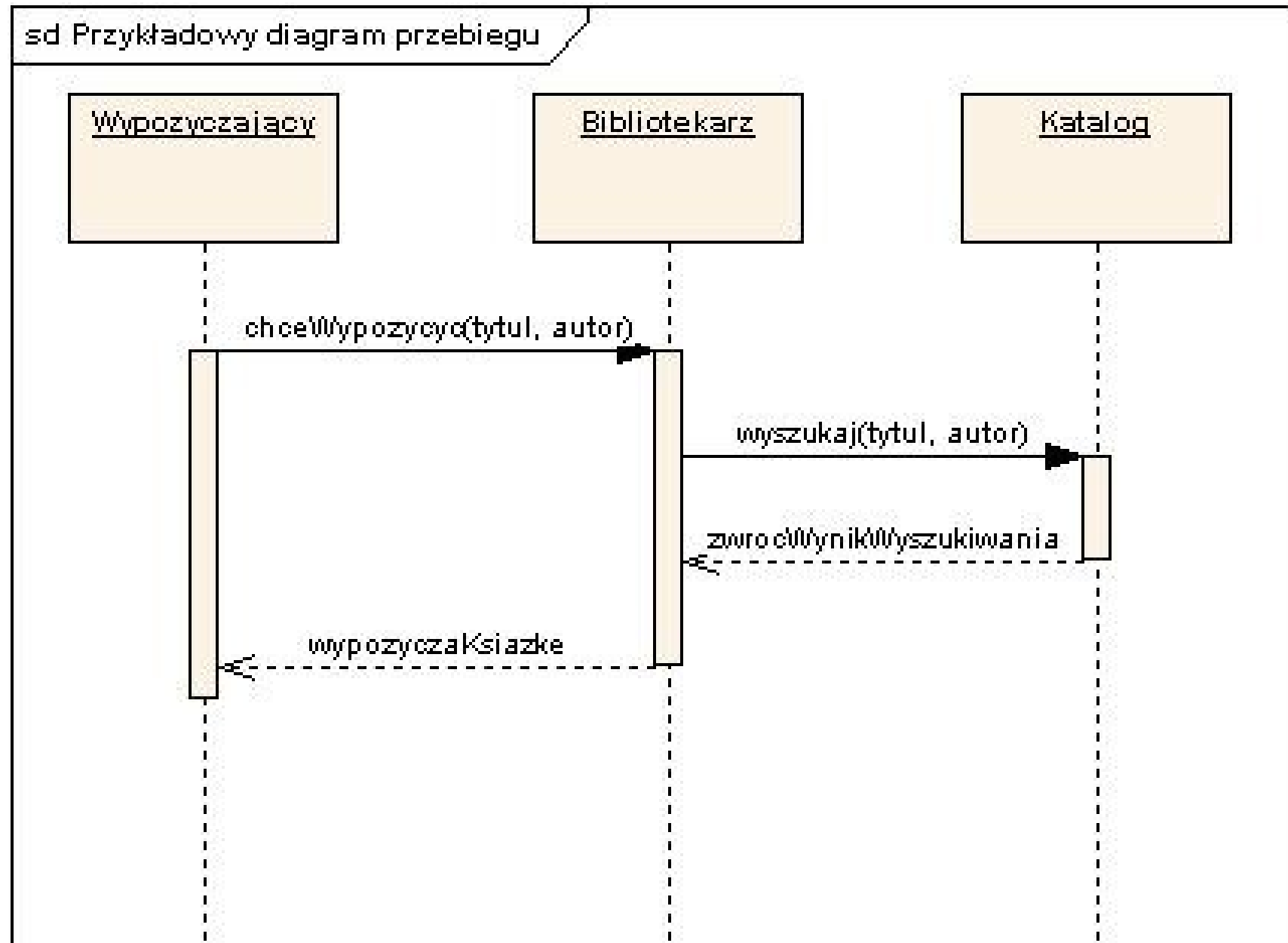
Sequence Diagram - Guards



Sequence Diagram - Fragments



Sequence Diagram



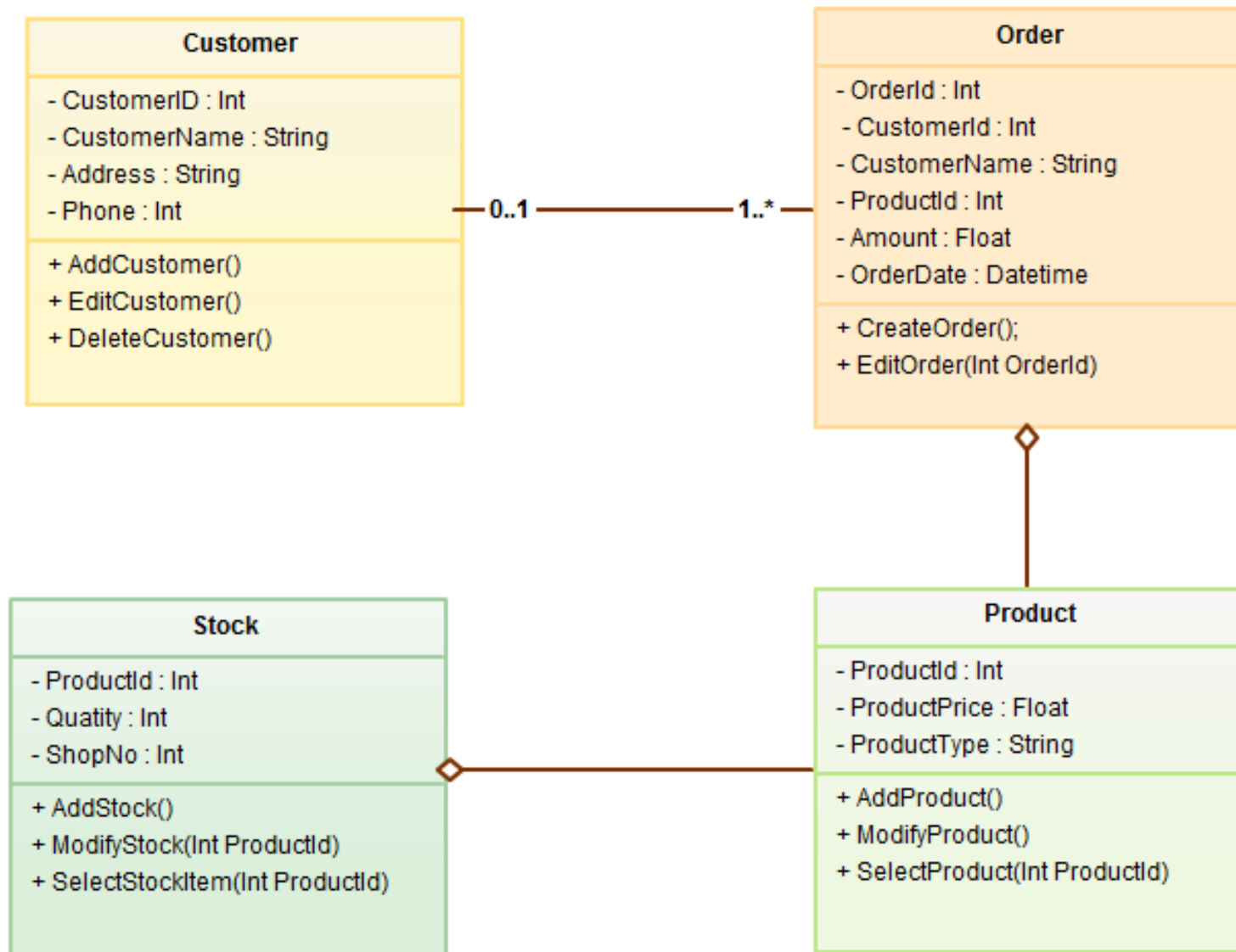
Sequence Diagram

<http://www.michalwolski.pl/diagramy-uml/diagram-sekwencji/>

<http://creately.com/blog/diagrams/understanding-the-relationships-between-classes/>

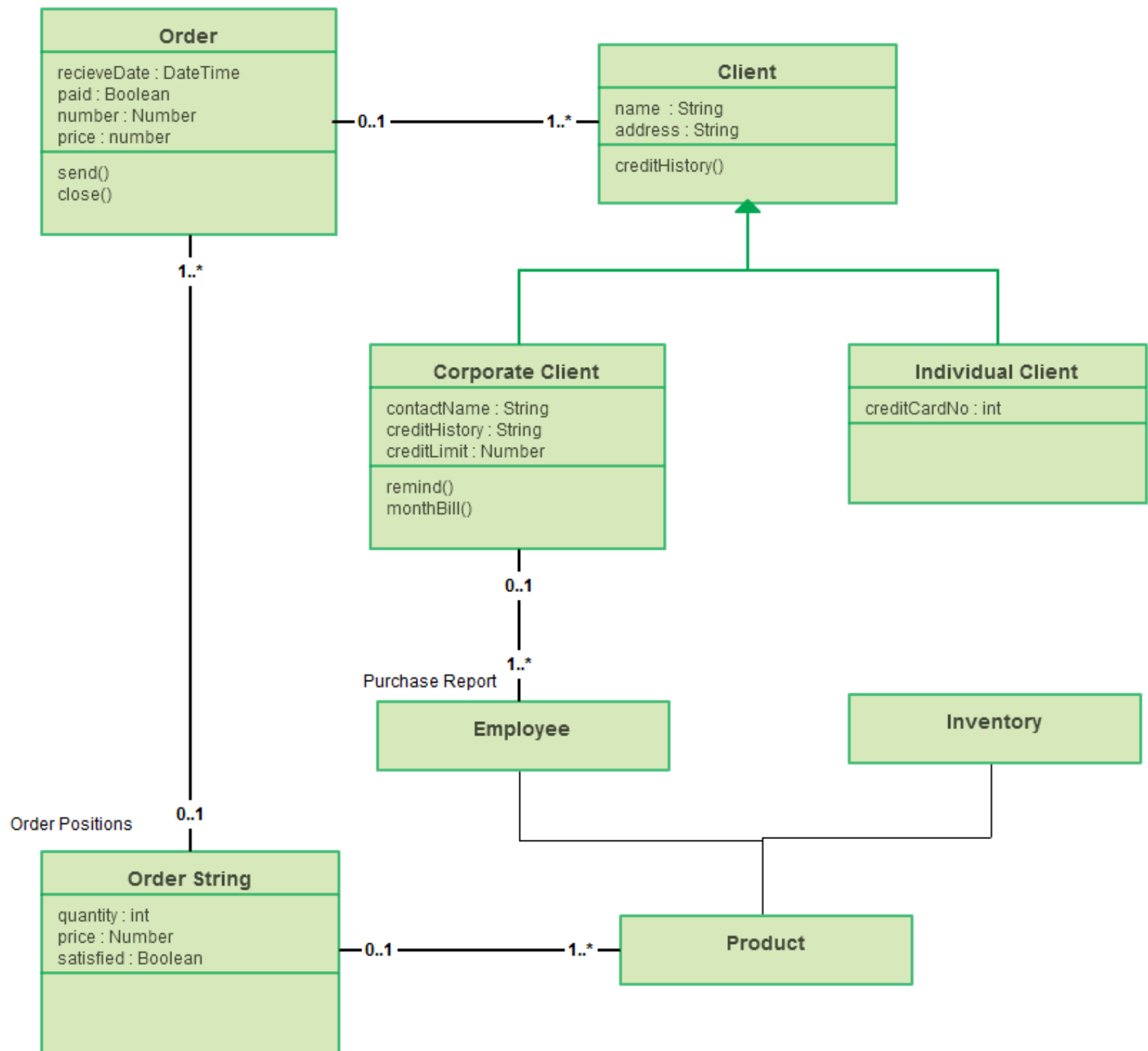
Class Diagram

Class Diagram for Order Processing System



Class Diagram

<http://createely.com/diagram-community/popular/t/class-diagram>

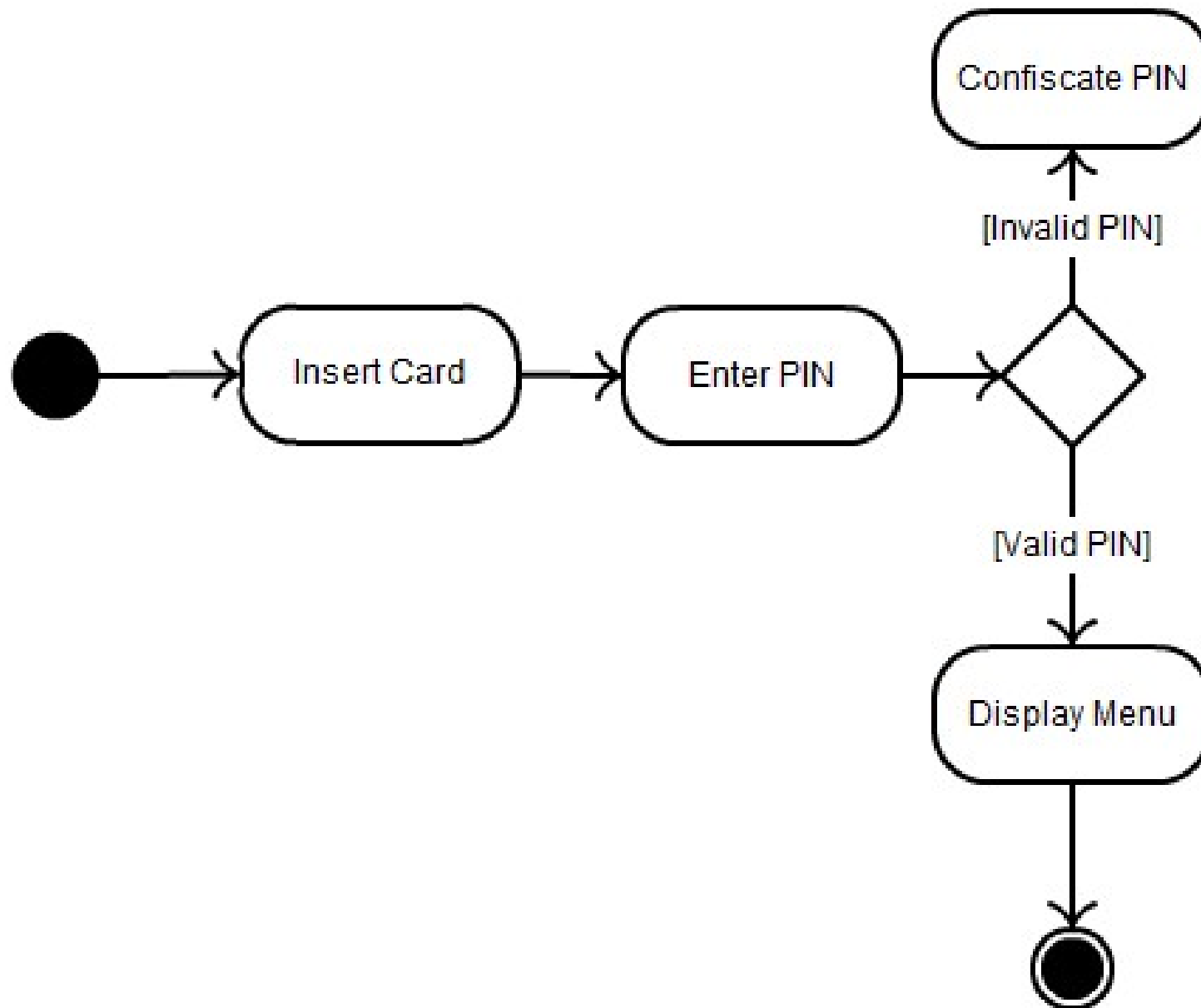


UML w Visual Studio 2012

<http://msdn.microsoft.com/en-us/library/dd409445.aspx>

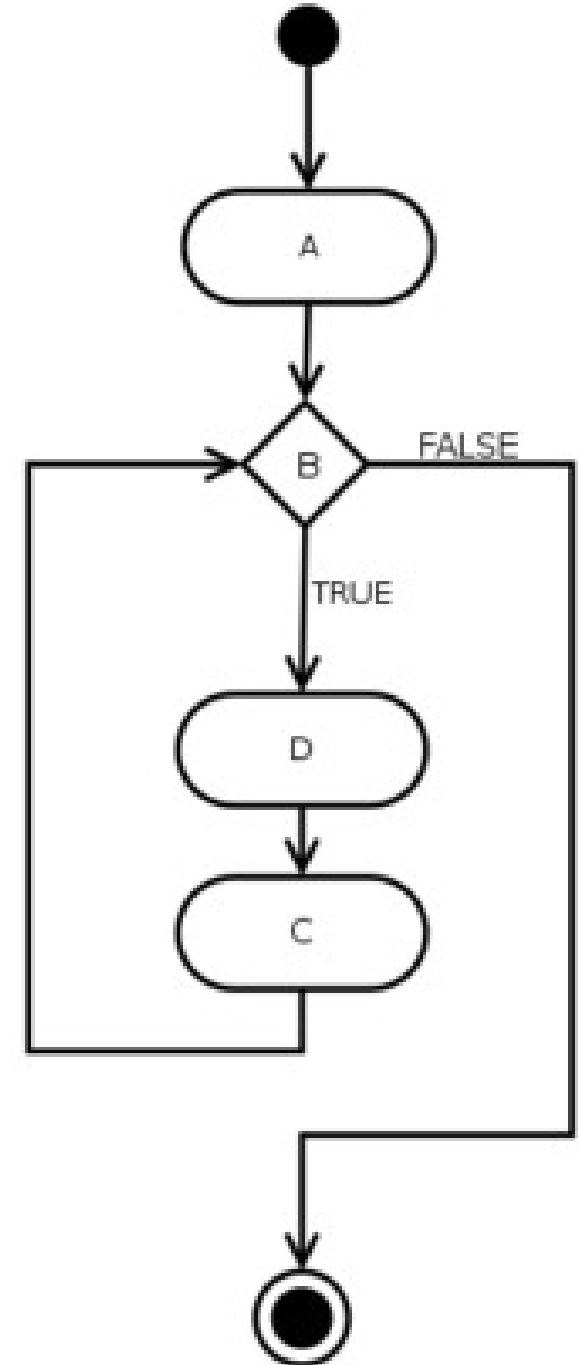
<http://kemal.co/index.php/2012/08/creating-classes-from-uml-diagrams-in-visual-studio-2012/>

Activity Diagram



Activity Diagram

```
for(A;B;C)  
D;
```



Koniec

Dziękuję za uwagę!