

SUPCOM

More about Processes Modelling with UML Activity Diagram Erik Perjons







More about UML Activity Diagram





- An activity diagram can include both activities and actions
- Action is a named element which represents a single atomic step within an activity, that is, an action cannot be further decomposed
- **Activity** represents a behavior that is composed of activities and/or actions







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• Activity represents a behavior that is composed of individual elements that

are actions and/or activities





Token



- The modelling element "token" is shorthand for control and data values that flow through an activity
- A token could represent many things: an specific order, a case, a patient which can flow through an activity



Token



- Token is consumed and produced in each actions/activity in the diagrams.
- **Guideline:** Use tokens to see if the activity diagram is modelled correctly























































Swimlanes/Lanes/Partitions







Swimlanes/Lanes/Partitions



Swimlanes/Lanes Partitions



Swimlanes/Lanes Partitions









Resturant manager	Chefs
Carry out administration tasks	
V	

How to model a situation where the restuarant manager and chefs have a meeting together?





Alternative 1

How to model a situation where the restuarant manager and chefs have a meeting together?





Alternative 2

How to model a situation where the restuarant manager and chefs have a meeting together?





How to model a situation where the restuarant manager and chefs have a meeting together?











How to model a situation where the restuarant manager can do two tasks in any order, but not always do these tasks?

Alternative 1







How to model a situation where the restuarant manager can do two tasks in any order, but not always do these tasks?

Alternative 2



