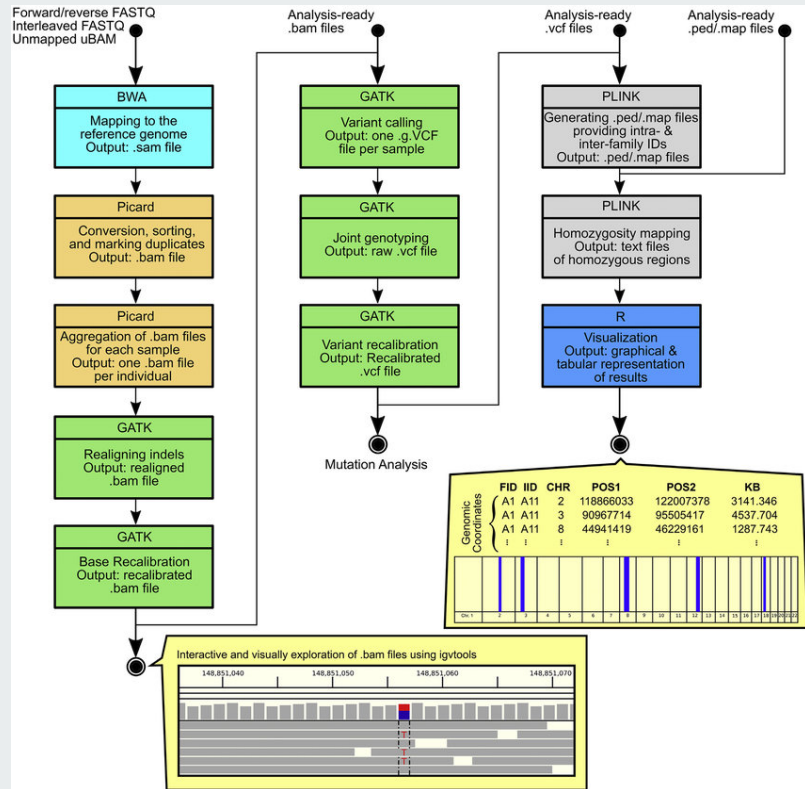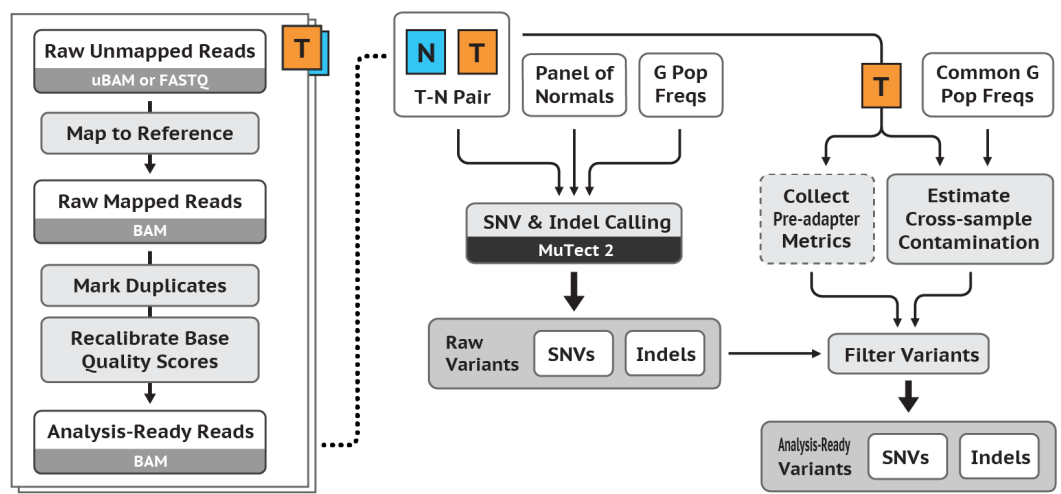# Workshop

Laiz Figueroa & Rema Salman

Problem

Agenda

Concepts' & Notations' explanations

Discuss the notations and concepts

Round to expose what was discussed

Individual feedback using Mentimeter

Template's explanations

Discuss the template

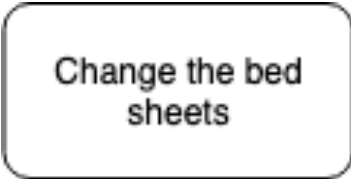Round to expose what was discussed

Individual feedback using Mentimeter

Action

Action

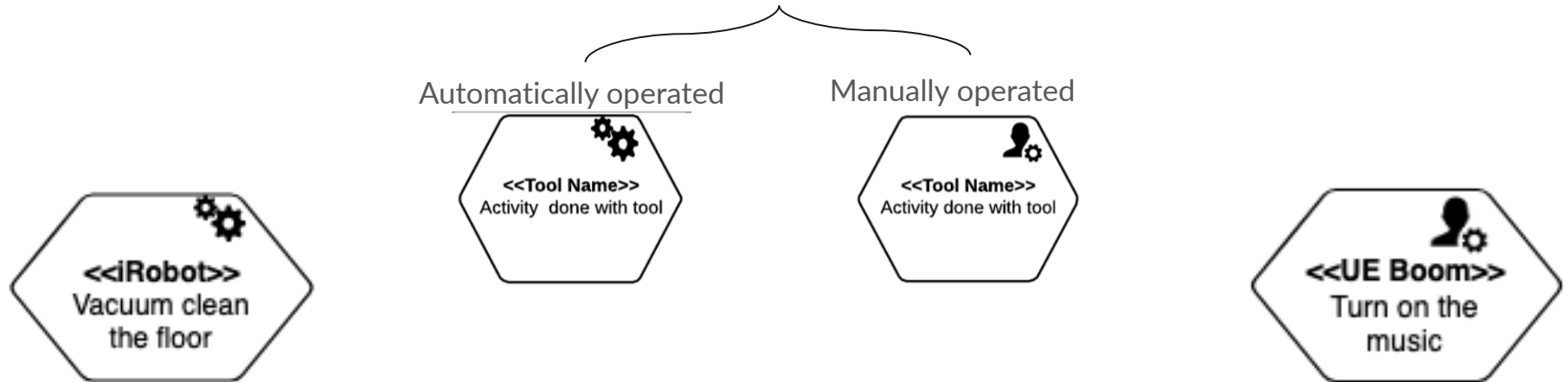An executable activity that is manually done by a human.
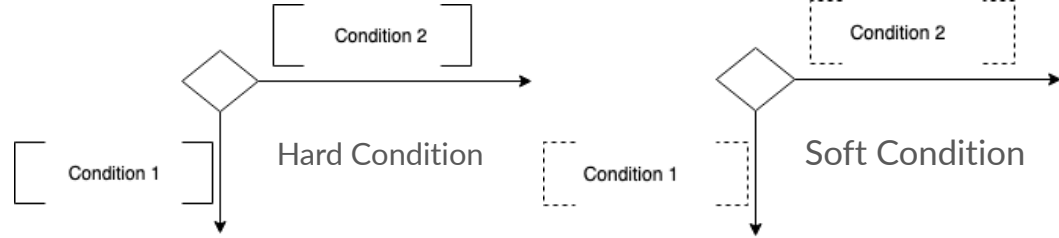
Change the bed sheets

Tools

A tool or software used to perform an activity with a description of the activity.
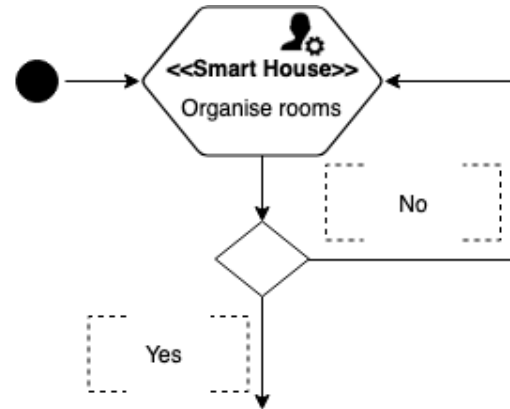
Automatically operated Manually operated

<<iRobot>>
Vacuum clean
the floor

<<Tool Name>>
Activity done with tool

<<Tool Name>>
Activity done with tool

<<UE Boom>>
Turn on the
music

Extension

Condition

Hard Condition

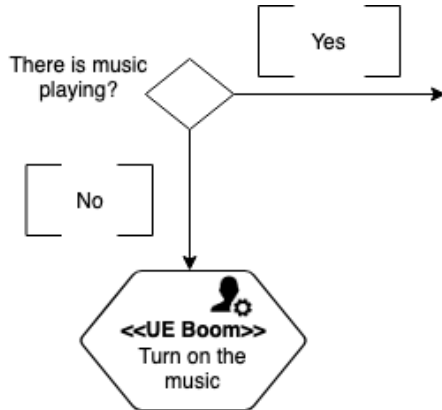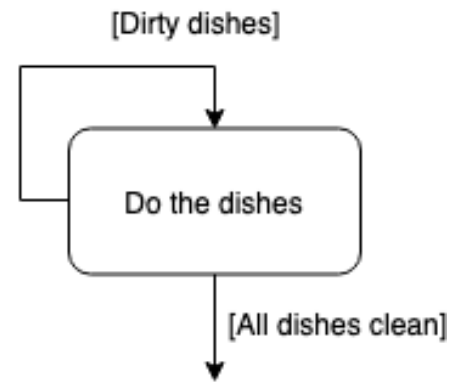Soft Condition

Represent an outcome of a test based on a soft or hard condition.
The condition is represented as guards on the outgoing edges.

Extension

Loop

An iterative set of activities and actions until reaching the defined condition, which is the loop breaker.

Action 1 → Action 2

[Condition 1]

[Condition 1]

Action 3

●→ <<Smart House>> Organise rooms

No

Yes

[Dirty dishes]

Do the dishes

[All dishes clean]
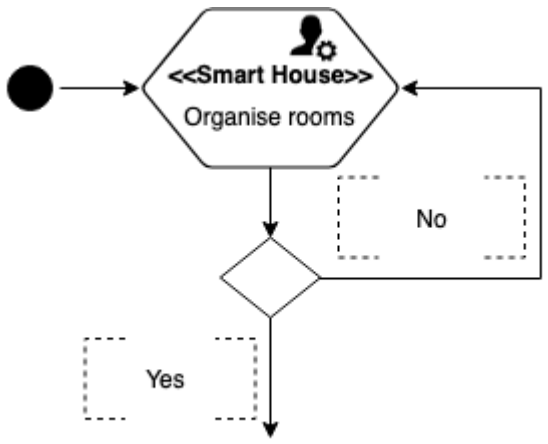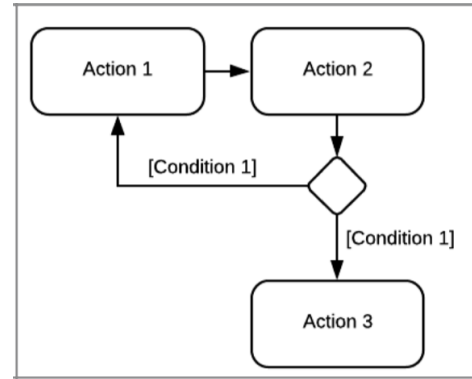
Extension

Inputs

Hold the data to be consumed by its Action, Tools or Database.
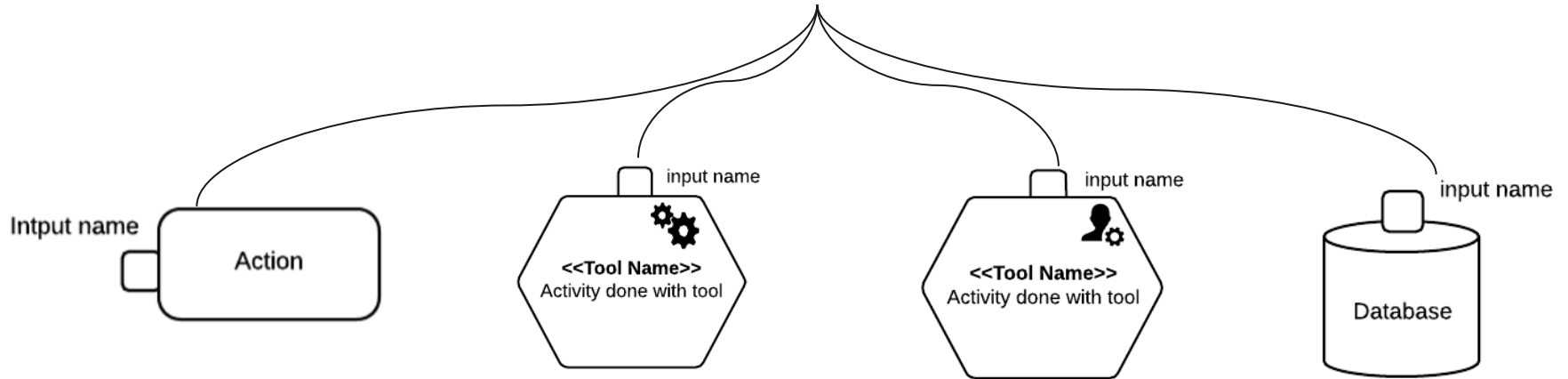
Outputs

Hold the produced data by an Action, Tools or Database.

Output name

Action

<<Tool Name>>
Activity done with tool

output name

<<Tool Name>>
Activity done with tool

Output name

Database

output name

UML Standard

Input/Output example
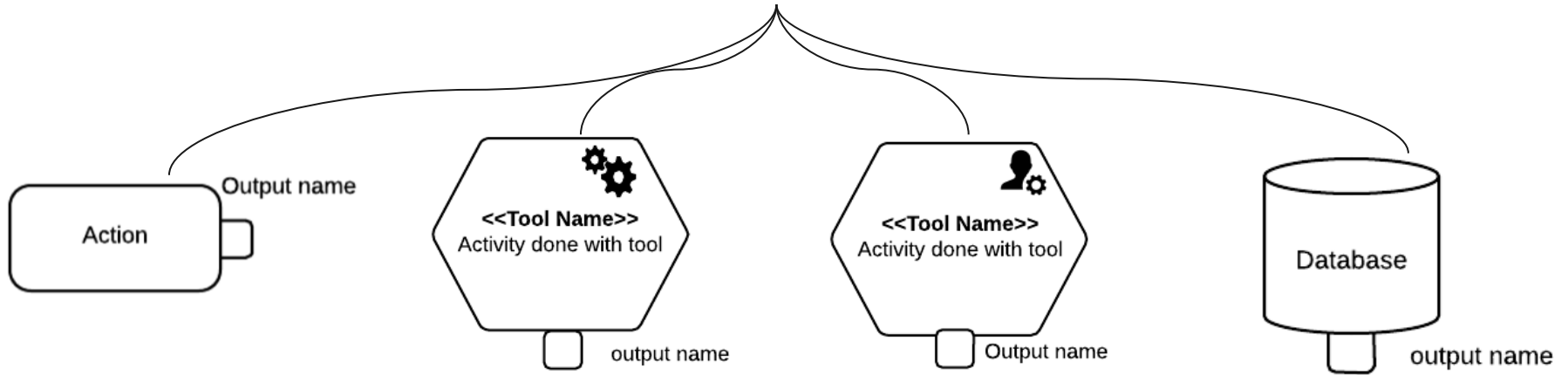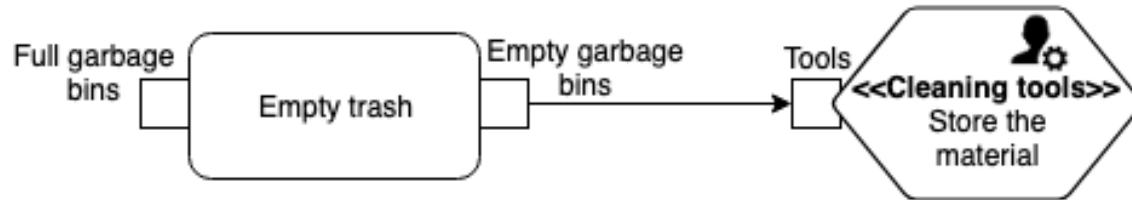
Stand alone Pin

Optional notations to be used when input and output have the same name.
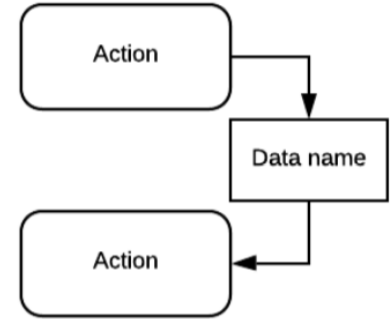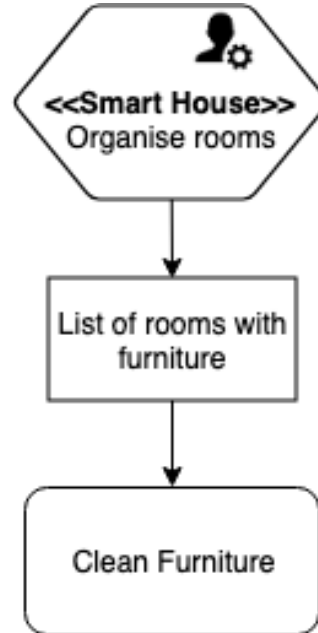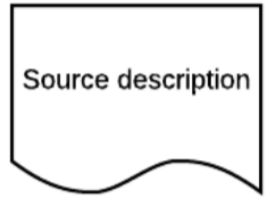
Source

A document title, link, or a person's name which are responsible for a specific set of actions.

https://www.additudemag.com/slideshows/how-to-organize-your-home-room-by-room/

<<Smart House>>
Organise rooms

Extension
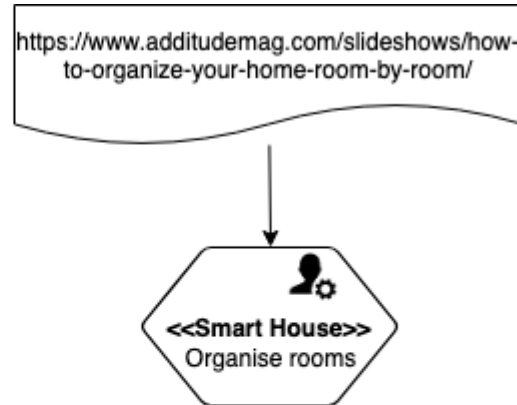
Standard Reference

Used data for comparisons, normally as a standard. For example: human genome.
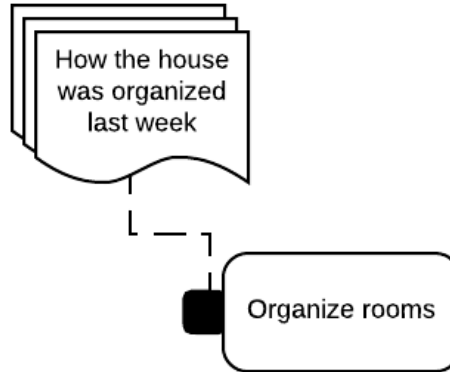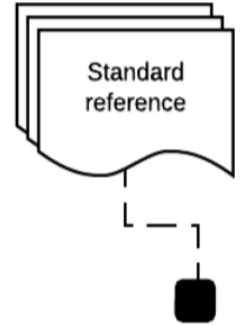
Database

A structured set of data that is accessible in various ways.

UML Standard+
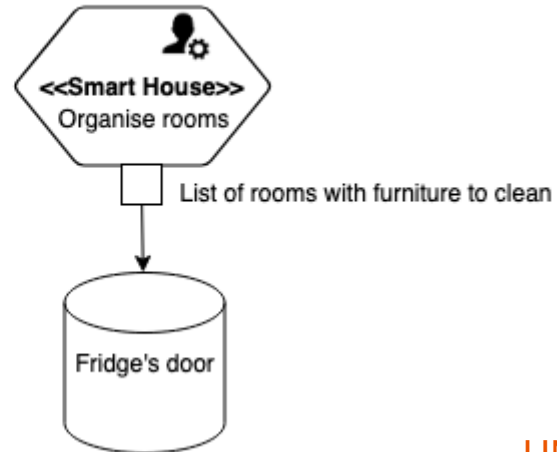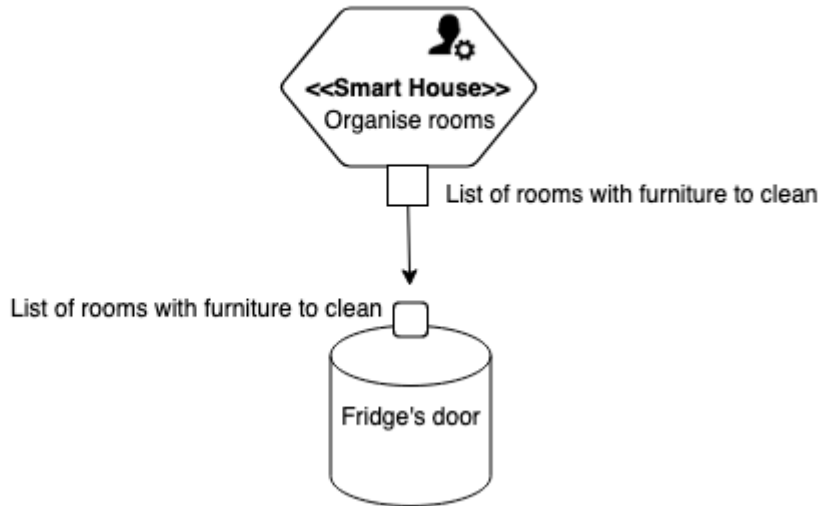
Diagram separators

Labeled triangles that represent the connection points between diagram parts in different pages.

Cleaning 201 Part 1
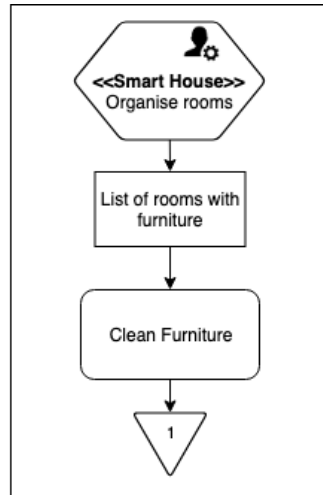
Cleaning 201 Part 2

Extension
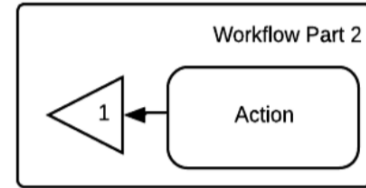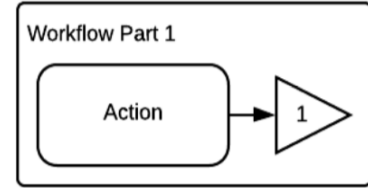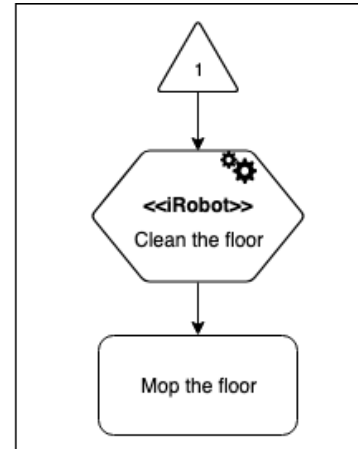
Sub-process connector

Labeled circle, with letters, to comprise a part of the diagram for avoiding/decreasing repetition within it.
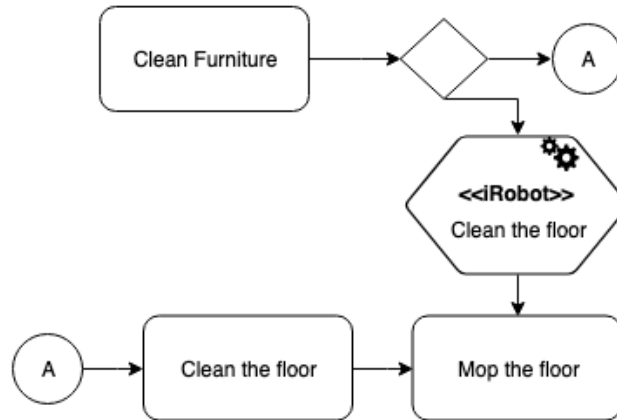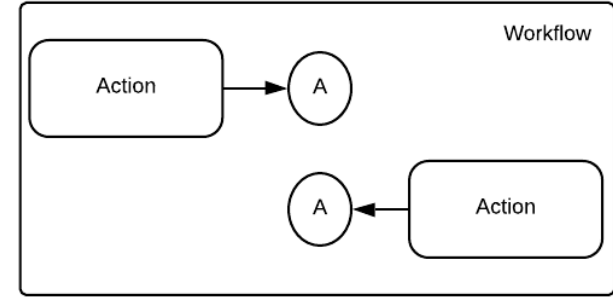
Horizontal and Vertical Join/Fork

Join

brings together multiple incoming flows to produce an outgoing flow
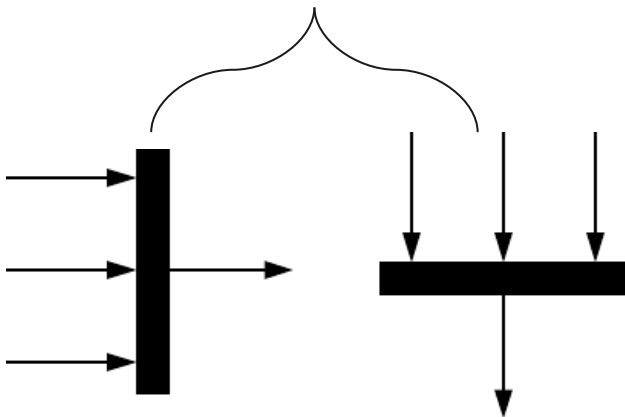
Fork

is used to split incoming flow into multiple flows

UML Standard
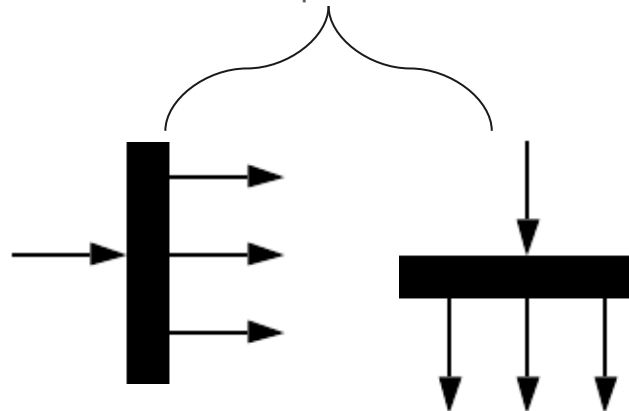
Example

Join
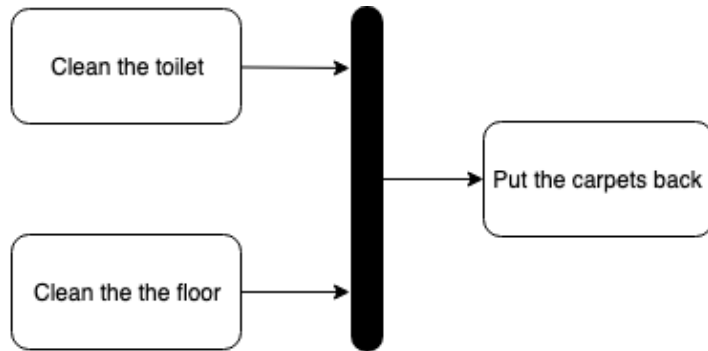
Fork
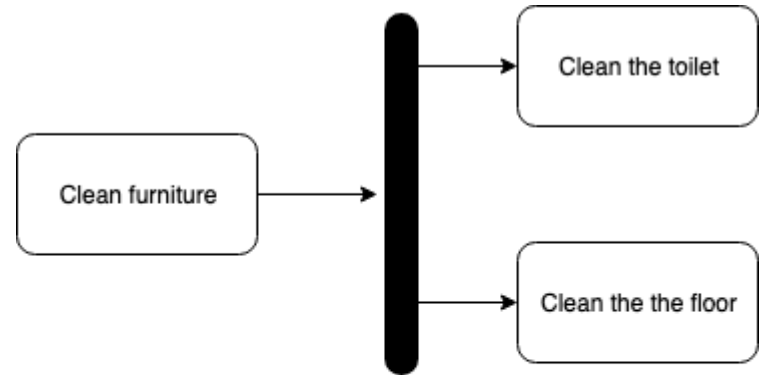
Initial, Flow final and Activity final nodes

Initial: Shows where the flow starts

Flow final: The diagram is not complete, but one of the paths is aborted.

Activity final: After the final step is done the flow will finish, it is represented by the end process

<<Smart House>>
Organise rooms

No

I'm too
tired

Remove trash

Cleaning
is done

Yes

UML Standard
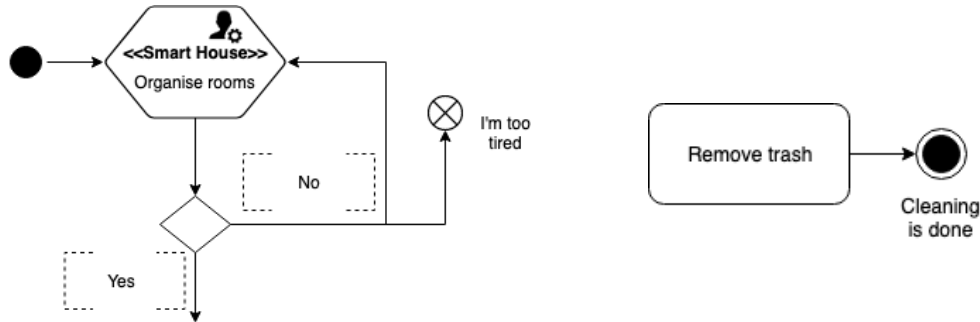
Decision Node

A point in the flow were a decision needs to be made.

UML Standard
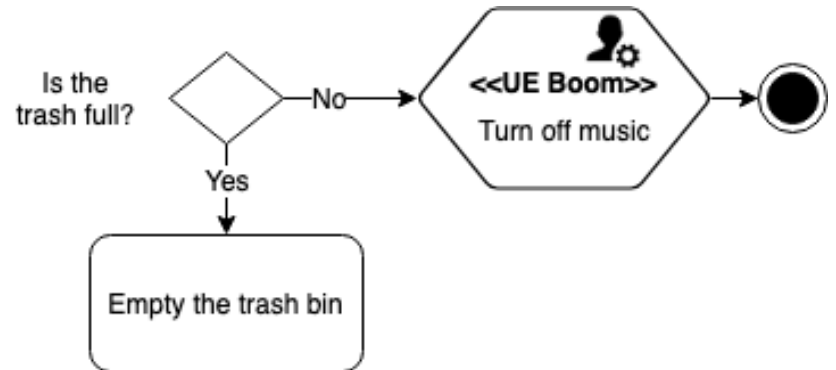
Note
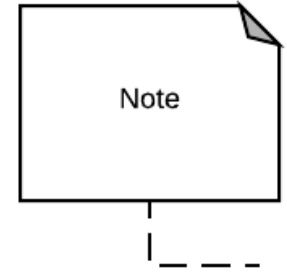
A shape designed to hold extra information that is important to be on the diagram, which does not have a specific notation.
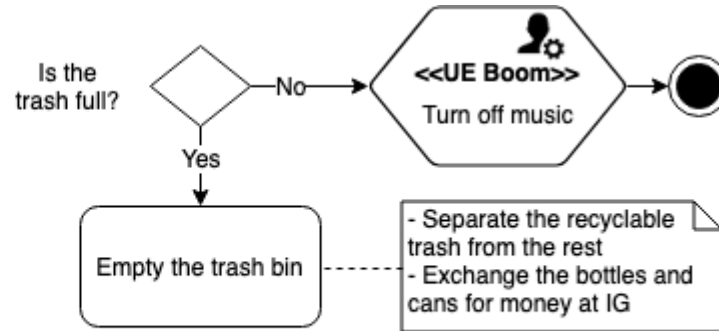
Swimlane

Workflow Name		
Place 1	Place 2	Place 3

Used to display the actions performed by each involved facilities, organizations, places, laboratories.

Cleaning 201				
Kitchen	Living room	Bedroom	Bathroom	Closet

Do the dishes

Fix sofa

Change the towels

UML Standard+
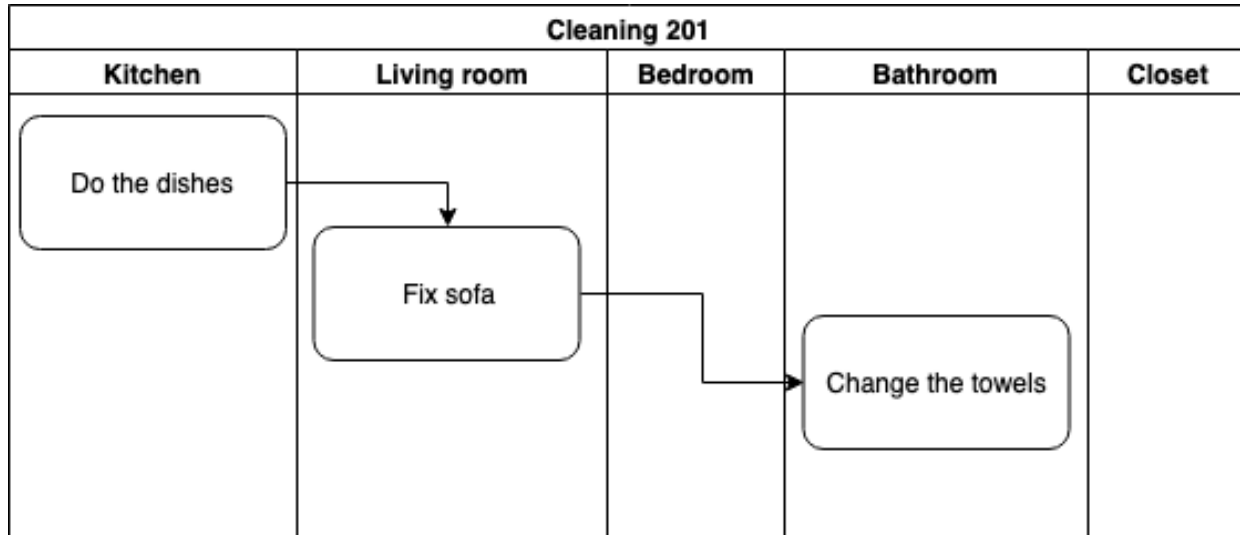
Discussion Questions

In pairs, discuss:

- What did you like and dislike in the notation library?
- If someone would improve it, in the future, what would they change? How would they do it?
- Who could or would not understand the drawn diagrams using the library?
- Would the diagrams' usage affect the current way of documenting workflows at your facility? If so, why?

Mentimeter validation

Go to **www.menti.com** and give your feedback.

CODE: 68 84 68

Intput name

Action

Input file

Output name

Action

Output file

Standard
reference

Standard reference

Condition

Soft-threshold

Condition

Hard-threshold

input

Database

output

Database + Data

Source description

Source

input

<<Tool Name>>
Activity done with tool

output

Tool + Data

input name

<<Tool Name>>
Activity done with tool

Output name

Tool + Data

Workflow Part 1

Action → 1

Workflow Part 2

1 ← Action

Diagrams Separators

Action 1 → Action 2

[Condition]

[BreakCondition]

Action 3

Loop

— — — — — — —

**Standard reference
connector**

Activity Final

Initial node

Action

Action

**Horizontal
Join/Fork**

Flow Final

Decision/Merge

**Vertical
Join/Fork**

Connector

[   ]

Condition

Note

Note

Workflow Name

Place	Place

Swimlane

Workflow

Action → A

A ← Action

Sub-processes Connectors

Template

Workflow Description Specification			
Workflow ID:			*Cleaning 201*
Date of creation:		*09/05/2019*	Number of steps:	*10*
Workflow version:	*1*	Modification date:	Workflow creator:	*Laiz*

Workflow			
Workflow goal:			*Clean the house*
Workflow source:		*Parents examples, google best practices, tips and tricks found on https://bestlifeonline.com/cleaning-hacks/*	
Workflow responsible:			*Laiz and husband*

First Step (Start point)	
Step ID:	*Organize rooms*

Final Step (End point)	
Step ID:	*Remove trash*

Workflow Description Specification		
Workflow ID:	*Cleaning 201*	**Step ID:** *Organize rooms*
Step version:	*1*	Modification date:	Step creator: *Laiz*

Step

Step goal:	*Organize the rooms so cleaning can be done properly*
Step source:	*https://www.additudemag.com/slideshows/how-to-organize-your-home-room-by-room/*

Is this the first step in the workflow?	Yes ☑ No ☐	Is this the final step in the workflow?	Yes ☐ No ☑

Sub-step of:		Super-step of:	*Clean furniture*

Order of execution:	*It is the first step, and should happen first in any room of the house*
Step execution' location:	*Living room, Bathroom, Kitchen, Bedroom, Closet*
Description:	*We should put all the things in their correct place, including clothes, dishes, mail, etc.*

Is this step concurrent/parallel to another:	Yes ☐ No ☑	If yes, step ID:

Standard references:	*How the house was organized last week*

File Input(s):	*Checklist of the rooms and items*

Is the input comming from another step:	Yes ☐ No ☑	If yes, step ID:

If no, what is the input's origin:	*Laiz' written list on the fridge from the last clean*
File Output(s):	*List of rooms with furniture to clean*

Is the output used in another step:	Yes ☑ No ☐	If yes, step ID:	*Clean furniture*

Tool Section

Needed tool:	*Smart House*
Tool version:	*1*
Why this tool was selected:	*It helps to organise the objects spread across the floor, tables and other hard surfaces*

Tool's Settings and Parameters

Speed = 4	*Level of organization = High*	
Power = 78%	*Surface = Floor and furniture*	

Loop/Repetition Section

Is this step repeated along the workflow: Yes ☑ No ☐	If yes, step ID of loop start: *Organize rooms*
	If yes, step ID of loop end: *Organize rooms*
If yes, how many times it repeats: *?*	If yes, what is needed to break the loop: *The rooms are organized following Laiz' standard*

Condition/Threshold Section

Condition for judgment:	*Is it organized?*		
Possible outcomes:	*Yes*	*No*	
Next step ID:	*Clean furniture*	*Organize rooms*	
Condition result:	*House organized ready for next step*	*Organize the remaining rooms*	
Hard or soft condition:			*Soft condition*

Database Section

Is the generated output stored: Yes ☑ No ☐	If yes, the data must be stored until: *The furniture is cleaned*
If yes, name of the database:	*Fridge's door*

Discussion Questions

In pairs, discuss:

- What did you like and dislike in the documentation template?

- If someone would improve it, in the future, what would they change? How would they do it?

- Who could or would not understand this template?

- Would the template's usage affect the current way of documenting workflows at your facility? If so, why?

Mentimeter validation

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CODE: 26 47 13