# Meal Planning – Activity Chart

## Overview

Draw a cross-functional activity chart for planning and eating a meal with your family (or group of friends), using UML symbols and Visio..

## Background

A cross-functional activity chart is an activity chart with swimlanes.

UML refers to the Unified Modelling Language and usually a “process flow chart” is called an “activity diagram” in when using UML.

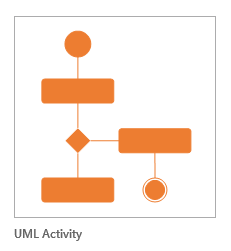
Note: “An activity chart is essentially a flowchart, showing flow of control from activity to activity” – The Unified Modeling Language User Guide, Booch, Rumbaugh, Jacobson, Addison-Wesley, 1999.

## Instructions

* Make a neat cross-functional chart that illustrates the process of obtaining the ingredients, cooking and eating a meal involving this food, at a reasonably high level.
  + You should include the following steps:
    - Buying the ingredients at the store
    - Paying the cashier
    - Consulting with the family the items to be served along with the favourite food dish
    - Preparing in the kitchen
    - Eating the meal
    - Cleaning up
  + You do not need to include the steps in actually preparing the dish according to a recipe – these details are out of scope
  + You should include swim lanes for at least the following roles:
    - Cashier at the food store (or equivalent if computerized checkout)
    - Your family (the people you consult)
    - Yourself in the role or roles you undertake
    - The cleanup people (who clean up and wash the dishes - this might be you)
* Use the UML symbol set (not the “traditional” set, and not BPMN symbols)
* Your activity chart shall follow best practice by including the following::
  + Straight lines
  + Clear labels
* Size shall be one physical page in size (8.5 x 11 inches)
* Include the diagram label

## Hints

* Look for the UML template “UML Activity”, which can be selected in Visio 2013 from the following icon:



* Guidance for UML symbols is found in the Lecture Notes in Module 02 Visio.
* Each role (i.e. responsibility), whether single person or group of people, shall have its own “swim lane”.
* Remember that if you are the coordinator for planning, and also partake in the eating, you have two different roles in the process.

## Artifact Format and Name

Submit in PDF format.

For name, see section: List of Artifacts