

# SEN9110 Simulation Package: Assignment 2

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## Assignment to be carried out in your simulation package

Extend the simulation model of the supermarket with the following features:

- make an animation of the processes (as far as the package would allow it)
- create realistic walking and queuing (again don't overdo, just check what's possible):
  - no jump between the walking and the end of the queue
  - queueing in a realistic manner, so no straight line
  - limited space for the queueing, especially at checkout
- check if it's possible to place information about the number of customers per department and at checkout (or a graph of such a variable over time) in the animation

## Deadline and requirements

Hand in a small slide pack (5-10 slides) describing how you built the animation, and what features are supported in the package. Describe what was easy and what was difficult, compared to simulation package(s) that you know. Hand in the model as well. Make sure the teacher can run the model -- provide model and input files, and instructions if needed to run the model (e.g., requirements.txt for Python-based models).

The slides and model have to be uploaded Friday 27 September latest at 17:00 as an assignment in Brightspace.