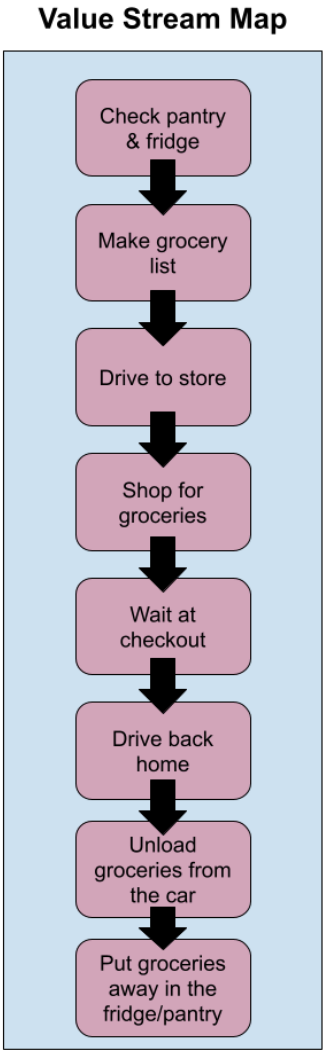
Mikaela June
CSD 380
Module 6.2
4/20/2025

Value Stream Mapping



The goal of the following value stream map is to break down my grocery shopping process:

Step	Time (min)
Check pantry & fridge	10

Make grocery list	12
Drive to store	25
Shop for groceries	45
Wait at checkout	5
Drive back home	25
Unload groceries from the car	5
Put groceries away in the fridge/pantry	15

Estimated Cycle Time: 142 minutes (2.37 hrs)

Optimize Grocery Shopping Process:

Eliminating Waste – I can eliminate about 10-20 minutes off of this process by being proactive throughout the week and writing down things I'm running low on and checking the fridge and pantry before the day of grocery shopping. I can also eliminate about 50 minutes in commute time if I choose to go to a grocery store closer to my house. I can try to eliminate the 5 minute wait time at checkout by going to an open self checkout lane.

Workflow Orchestration – If I can get some assistance from others at home, I can streamline the unload and put away process by having one person unload while the other starts unpacking and putting groceries away. This can make the process much more efficient.

Governance Models – A vulnerability assessment uncovers that in the time that I am grocery shopping my home might be left briefly unattended during the entire process. This would require the creation of a security protocol stating that both the front and back doors must be shut and locked during this time.

Resources:

https://www.connectall.com/3-easy-steps-for-using-vsm-in-everyday-life/
https://docs.google.com/drawings/d/1kmpVFmdocHsIvRdeyuQglNDjJfisOh7E_bGw8GZuMwc/edit