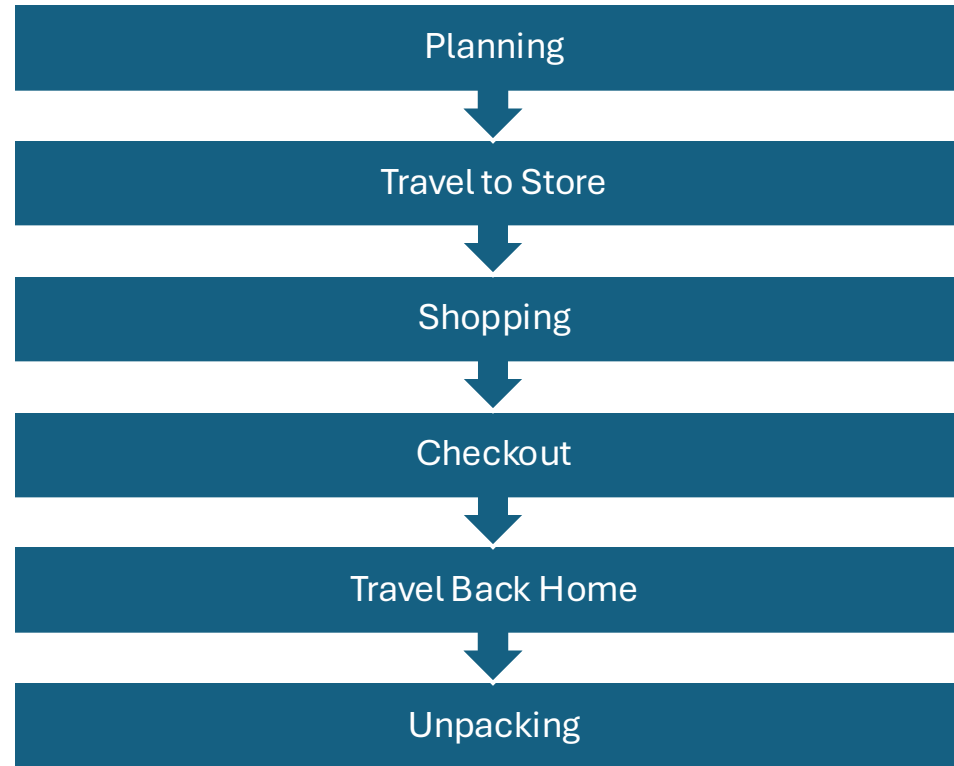


Weekly Grocery Shopping

Visualizing Using A Value Stream Map



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Module-5

Analyzing Lean Metrics

- **Planning:**
 - Create a grocery list
 - Check pantry and fridge for needed items
 - Ask to family members
- **Travel to Store:**
 - Drive to the grocery store
- **Shopping:**
 - Pick items from the list
- **Checkout:**
 - Wait in line
 - Pay for groceries
- **Travel Back Home:**
 - Drive back home
- **Unpacking:**
 - Unload groceries from the car
 - Organize items in the pantry and fridge

Stage	Estimated Flow Time
Planning	35 mins
Travel to Store	15 mins
Shopping	40 mins
Checkout	20 mins
Travel Back Home	15 mins
Unpacking	25 mins
Cycle Time	150 mins (2.5 hrs)

Optimizing Processes

- **Eliminating Waste**
 - I can eliminate the time it takes to search for items by organizing my pantry and fridge more effectively, ensuring items are easy to find.
 - I can reduce the time spent traveling to the store by planning my trip during non-peak hours to avoid traffic and long checkout lines.
 - I can consider using a grocery delivery service for bulk or non-perishable items, which would reduce the frequency of my shopping trips and save time.
- **Workflow Orchestration**
 - If I consolidate my shopping list based on store layout, I can minimize the time spent wandering aisles and looking for items.
 - I could plan my trip to include other nearby errands, optimizing my route to save travel time and reduce the number of trips needed.
 - I can evaluate the efficiency of unpacking groceries by placing similar items together in the car, so they can be quickly and easily sorted into the pantry and fridge.
- **Governance Models**
 - A security protocol could be established to ensure that the car is always locked during loading and unloading groceries to prevent theft.
 - Implementing a reminder system to check and update the grocery list throughout the week can ensure no items are forgotten, reducing the need for additional trips.
 - Using a budget tracking app could help monitor spending and ensure that the shopping process remains cost-effective, preventing unnecessary purchases and ensuring that trips remain purposeful and efficient.

By implementing these optimizations, I can streamline the grocery shopping process, making it more efficient and less time-consuming.