Jose Franco

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Module 5.2 Assignment

Value Stream Mapping (VSM)

A chart of a weekly cleaning routine

AI-generated content may be incorrect.

Analyzing Lean Metrics

Estimated Average Flow Time

| **Activity** | **Avg. Time/Week** |
| --- | --- |
| Planning checklist, assigning tasks, buying supplies | 30 mins |
| |  | | --- | | Laundry (wash, dry, fold), clean bedrooms |  |  | | --- | |  | | 90 mins |
| |  | | --- | | Mop & vacuum floors, empty trash |  |  | | --- | |  | | 60 mins |
| |  | | --- | | Clean bathrooms, refill toiletries |  |  | | --- | |  | | 45 mins |
| |  | | --- | | Clean kitchen, take out recycling |  |  | | --- | |  | | 60 mins |
| |  | | --- | | Dust furniture, wipe windows |  |  | | --- | |  | | 45 mins |
| |  | | --- | | Catch-up tasks, final trash and touch-ups |  |  | | --- | |  | | 30 mins |

Estimated Cycle Time: 360 mins /week

**Optimization & Lean Analysis**

**Wastes:**  
As I reviewed my updated weekly cleaning schedule, I noticed a few potential areas of waste. Some days, like Monday, are much heavier with tasks such as laundry and bedroom cleaning taking up to 90 minutes, while others like Saturday only take around 30 minutes. This imbalance could lead to fatigue early in the week and underused time later on. Also, there's still some inefficiency in switching between different cleaning tools and products, especially for tasks like dusting and wiping windows, which could be streamlined.

**Optimizations:**  
To make my routine more efficient, I can redistribute some of the heavier Monday tasks to lighter days like Saturday or Wednesday. This will help spread out the effort and reduce burnout early in the week. I also plan to stick with multi-surface cleaners and limit the number of tools I use, which will reduce the time I spend switching between items. By preparing all my cleaning supplies during Sunday planning and making small adjustments to task distribution, I can make my routine more balanced, less stressful, and easier to maintain consistently.