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CSD380-H306 DevOps

02/04/2025 - Module 5.2 Assignment

My House Cleaning Value Stream. Value Stream Mapping (VSM)

This value stream map analyzes my weekly house cleaning routine, from gathering supplies to relaxing in a clean home.

A chart with yellow squares and black text

Description automatically generated

Optimizing My Processes:

Eliminating Waste:

* Pre-sort laundry: Keep a dedicated hamper for cleaning cloths to eliminate sorting time later.
* Use multi-purpose cleaners: Reduce the number of cleaning products needed, streamlining the gathering and put-away process.
* Declutter regularly: Regular decluttering reduces the time needed for dusting and vacuuming.

Workflow Orchestration:

* Clean top-down: Start cleaning upstairs and work down to minimize spreading dirt and dust.
* Batch similar tasks: Complete all dusting before vacuuming and all vacuuming before mopping. This improves efficiency by reducing task switching.
* Soak bathroom surfaces: Apply cleaning solutions to showers/tubs and toilets first, allowing them to soak while cleaning other bathroom areas.

Governance Models:

* Cleaning schedule: Establish a regular cleaning schedule to maintain cleanliness and prevent build-up of dirt and grime.
* Deep cleaning rotation: Incorporate a rotating schedule for deeper cleaning tasks (e.g., cleaning windows, scrubbing baseboards) to distribute the workload over time.

Conclusion:

By visualizing and analyzing my house cleaning value stream, I’ve identified opportunities for optimization. Implementing these changes will lead to a more efficient cleaning routine, reducing the overall time spent and making the process less of a chore. This example shows how VSM principles can be applied to even the most mundane tasks, leading to tangible improvements in efficiency and effectiveness.

Sources.

asq.org (Accessed 02/04/2025) Value Stream Mapping Tutorial - What is VSM? URL: <https://asq.org/quality-resources/lean/value-stream-mapping>

Lean Enterprise Institute (Accessed 02/04/2025) Value Stream Mapping Overview (Published 09/08/2022) URL: <https://www.lean.org/lexicon-terms/value-stream-mapping/>