Yohannes Ayele

Assignment 5.2

Date: 6/29/25

Activities for Weekly Grocery Shopping

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| Activity | Time(min) |
| Make weekly meal plan | 20 |
| Check pantry/refrigerator | 10 |
| Write grocery list | 10 |
| Drive to grocery Store | 30 |
| Shop for groceries | 45 |
| Wait in checkout line | 15 |
| Drive home | 25 |
| Unload and store groceries | 15 |

Estimated Cycle Time = 170 Mins ~ (2.8 Hrs)

Optimization ideas

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| --- | --- |
| Process | Optimization ideas |
| Meal planning | Use a weekly template or meal planning app to reduce time to 10 min |
| Grocery List | Use a shared app like Google keep or a grocery app with pantry tracking |
| Shopping | Switch to online ordering or pickup to reduce shopping to by 20-30 minutes. |
| Checkout Wait | Shop during off-peak hours or use self-checkout |