**Heavyweight Laundry Use Case**

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| **Use Case 1** | Housekeeper does laundry |
| **Actor** | Housekeeper |
| **Use Case Overview** | It is Wednesday and there is laundry in the laundry room. The housekeeper sorts it, then proceeds to launder each load. She folds the dry laundry as she removes it from the dryer. She irons those items that need ironing. |
| **Subject Area** | Domestics |
| **Actor(s)** | The housekeeper |
| **Trigger** | Dirty laundry is transported to the laundry room on Wednesday. |
| **Precondition 1** | It is Wednesday |
| **Precondition 2** | There is laundry in the laundry room. |

**Basic Flow: Do Laundry**

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| **Description** | This scenario describes the situation where only sorting, washing and folding are required. This is the main success scenario. |
| **1** | Housekeeper sorts laundry items. |
| **2** | Housekeeper washes each load. |
| **3** | Housekeeper dries each load. |
| **4** | Housekeeper verifies that laundry item does not need ironing, is clean and not shrunken. |
| **5** | Housekeeper verifies that laundry item is foldable. |
| **6** | Housekeeper folds laundry item |
| **7** | Housekeeper does this until there are no more laundry items to fold |
| **Termination outcome** | Laundry is clean and folded |

**Alternative Flow 4A: Laundry item needs ironing.**

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| **Description** | This scenario describes the situation where one or more items need ironing before or in lieu of folding |
| **4A1** | Housekeeper verifies that the laundry item needs ironing and is clean and not shrunken |
| **4A2** | Housekeeper irons the laundry item |
| **4A3** | Housekeeper puts laundry item on a hanger |
| **Termination outcome** | Laundry that needs ironing is ironed and hung up. |

**Alternative flow 4B: Laundry item is dirty.**

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| **Description** | This scenario describes the situation where the laundry item did not get clean the first time through the wash. |
| **4B1** | Housekeeper verifies that the laundry item is not clean. |
| **4B2** | Housekeeper rewashes the laundry item |
| **Termination outcome** | Dirty laundry is rewashed. |

**Alternative flow 4C: Laundry item shrank.**

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| **Description** | This scenario describes the situation where the laundry item shrank. |
| **4C1** | Housekeeper verifies that the laundry item shrank |
| **4C2** | Housekeeper disposes of laundry item. |
| **Termination outcome** | Laundry item no longer exists. |

**Alternative flow 5A: Laundry item needs hanger.**

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| **Description** | This scenario describes the situation where the laundry item needs to be hung instead of folded. |
| **5A1** | Housekeeper verifies that laundry item needs hanging. |
| **5A2** | Housekeeper puts laundry item on a hanger. |
| **Termination outcome** | Laundry that needs hanging is hung up. |

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| **Post conditions** | All laundry clean and folded or hung up. |

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| **Business Rules** | * Laundry can only be done on Wednesdays. * All ironed laundry items get hung on hangers * Any laundry item that is irrevocably soiled, shrunken, scorched, etc., gets thrown out. |