**Use Cases**

**Use cases for RMOS:**

1. Log in the RMOS system.
2. Track each RCM.
3. Update each RCM
4. Display the statistics of each RCM (like the last time it was emptied)

**Use case 1:**

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| --- | --- |
| **Use-Case: (Goal):** Log in the RMOS system.  **Actors:** AdminControl  **Type:** Primary, Essential  **Description:** Admin will have the ability to keep track of each RCM in the system  **Cross-references:**  **Scenario Details (Typical course of events)** | |
| **Actor Action** | **System Response** |
| **1.** Admin inputs username and password and presses the “Log In” button | **2.** If the inputs are correct, a new window will appear with the RMOS displayed |
| **Alternative Courses:**  **Line 2:** Display “Incorrect Username or Password. “ | |

**Use case 2:**

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| --- | --- |
| **Use-Case: (Goal):** Track each RCM.  **Actors:** AdminControl  **Type:** Primary, Essential  **Description:** admin will want to either add a new RCM to be monitored or remove and existing one  **Cross-references:**  **Scenario Details (Typical course of events)** | |
| **Actor Action** | **System Response** |
| **1.** Select RCM and then choose options to check   * Current Weight * Current Amount of Money * Current # of Items In RCM * Last Time Emptied | **2.** Displays:   * Current weight of RCM * Amount of money in the RCM * Number of items in the RCM * Time last emptied. |
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| **Alternative Courses:** | |

**Use case 3:**

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| **Use-Case: (Goal):** Update each RCM  **Actors:** AdminControl  **Type:** Primary, Essential  **Description:** Admin will have the ability to update information about each RCM such as maxWeight or moneyInMachine.  **Cross-references:**  **Scenario Details (Typical course of events)** | |
| **Actor Action** | **System Response** |
| **1.** Selects the option “Update” and choose options to update   * Update Weight * Update Amount of Money   **3.** Enters the appropriate value for the weight or amount of money | **2.** Prompted to enter   * New Weight * New Amount of Money   **4.** Displays “RCM Updated” |
| **Alternative Courses:**  **Line 4:** If the inputted value is not a number or is null, display error message “Incorrect input. Please try again”. | |

**Use case 4:**

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| --- | --- |
| **Use-Case: (Goal):** Display the statistics of each RCM  **Actors:** AdminControl  **Type:** Primary, Essential  **Description:** The Admin will have the ability to display the statistics of either one RCM or all the RCM’s like the frequency of deposited items  **Cross-references:**  **Scenario Details (Typical course of events)** | |
| **Actor Action** | **System Response** |
| **1.** Selects desired RCM(s) and presses “Show Statistics” button | **2.** Displays:   * Total weight items (depending on time specified) * Total item value in cash or coupon * Last time emptied or amount emptied last |
| **Alternative Courses:** | |

**Use cases for RCM:**

1. Recycle item

**Use case 1:**

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| --- | --- |
| **Use-Case: (Goal):** Customer recycles items.  **Actors:** DepositItem  **Type:** Primary, Essential  **Description:**  Customer will have the ability to choose the items they wish to recycle  **Cross-references:**  **Scenario Details (Typical course of events)** | |
| **Actor Action** | **System Response** |
| **1.** Selects which items to recycle from the options buttons | **2.** Text box will display “‘X’ item has been added to the cart” |
| **3.**  Customer select print receipt once done depositing all the items | **4.** Displays “Thank you for recycling! The total weight deposited is ‘X lbs. Your total is ‘$X’ “ |
| **5.** If customer wants to get money or coupon, selects “Return money or coupon”. | **6.** Displays “Please collect your money” or “Please collect your coupon” |
| **Alternative Courses:**  **Line 2:**   * If the RCM is full, Error message will appear saying “Error! RCM is full”.   **Line 6:**  If there is not enough money, error message will appear saying “Error: There is not enough money in the machine. Would you like to print a coupon?” Displays two options: “Print a coupon” and “Return items”. | |