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| General Information | |
| Use Case ID Number : UC116  Subject Area : Register Program  Description : Customer wants to remove a coupon from the transaction | Responsible Analyst : Skyler Swenson |

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| Requirements/Feature Trace | |
| **REQ#** | Requirements Name and / or Short Description |
| 8.3 | The system shall allow the user to remove a coupon from an item. |
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| Revision History | | |
| Author | **Date** | **Comments** |
| Skyler Swenson | 4/16/2016 | First draft |
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| **Insertion Points in other Use Cases** | | |
| Use Case Name | **Use Case Number** | **Step Inserted After** |
| N/A |  |  |
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| **Actors** | | |
| **Actor Name** | **P/S** | **Brief Description** |
| Employee | P | Employee removing the coupon from the sale. |
| Register | S | Machine the transaction is being processed on. |
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| **Pre-Conditions** | |
| # | Description |
|  | An item exists in the current transaction. |

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| **Start Stimulus** |
| Employee wishes to remove a coupon |

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| **Use Case Main Course Steps** | | | |
| **Number** | **Description** | **Adds/Alt UC Name/Number** | **Bus Rule(s)#** |
| 01 | Employee selects a coupon from the UI |  |  |
| 02 | Register asks if the coupon should be edited or removed |  |  |
| 03 | Employee selects remove |  |  |
| 04 | Register removes coupon from the item |  |  |
| 05 | Register updates display |  |  |

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| **Exception Conditions** | | |
| **Exception Situations** | **Action(s) on Exception** | **Adds/Alt Use Case #** |
| Invalid Permissions | Employee does not have permission to remove the coupon. |  |

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| Post-Conditions | |
| **#** | **Description** |
| 1 | Totals are updated to reflect the missing coupon |

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| **Candidate Objects** | | |
| **Class/Object Name** | **Descriptions** | **Possible**  **attributes** |
| Employee | Employee in the sale | Name, Permissions |
| Item | Holds data about the item | Name, Price, Coupons |
| Coupon | Holds data about the coupon | Name, Amount, Type |
| Transaction | Holds all the items in the sale | Items |

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| **Assumptions** | | | | | |
| **#** | **Assumption** | **Date**  **Raised** | **Raised**  **By** | **Date**  **Verified** | **Verified By** |
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| **Issues** | | | | | |
| **#** | **Issue** | **Date**  **Raised** | **Raised**  **By** | **Date**  **Verified** | **Verified By** |
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| **Other Comments** | | |
| **Author** | **Comment** | **Date** |
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| Frequency of Execution |
| **Frequency:**  Minimum: 24 Maximum: 240 Average: 120 (OR)Fixed:  **Per:** Hour:Day:  Week:  Month:  Day:  Other: |

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| **Timing Information** | | | | | | | |
| **#** | **At/**  **Between** | **Step(s)** | **Timing**  **Unit** | **Minimum** | **Average** | **Maximum** | **Comments** |
| 1 | At | 05 | seconds |  |  | 1 | Display must be updated immediately |
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| **Volume Information** | | | | | | |
| **#** | **Step #** | **Unit of**  **Measure** | **Minimum** | **Average** | **Maximum** | **Comments** |
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| **Alternate Course General Information** |
| Alternate Course Name:  Alternate Course Number:  Parent Use Case Name:  Parent Use Case Number:  Description:  Reason for Execution: Non Exception:  Exception:  Exception #:  Start(Trigger) Stimulus:  Type of Execution (optional): Manual:  Automatic: |

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| Insertion Point |
| Step Inserted After |
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| Pre-Conditions | |
| 1. |  |
| 2. |  |

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| Alternate Course Steps | | | |
| **#** | **Step Description** | **Adds/Alt Use Case #** | **Business Rule(s)#** |
| 1. |  |  |  |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |

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| Post-Conditions | |
| 1. |  |
| 2. |  |