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| General Information | |
| Use Case ID Number : UC101  Subject Area : Manager Override  Description : A manager scans their special barcode to elevate a cashier’s privileges. | Responsible Analyst : Skyler Swenson |

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| Requirements/Feature Trace | |
| **REQ#** | Requirements Name and / or Short Description |
| 1.2 | The system shall allow managers to give temporary permissions boosts to cashiers |
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| Revision History | | |
| Author | **Date** | **Comments** |
| Skyler Swenson | 2/29/2016 | First draft |
| Phillip Smith | 3/14/2016 | Added missing requirements and fixed up steps |
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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** |
| Cashier | P | Cashier needs elevated privileges in order to perform an action. |
| Manager | P | Manager has the ability to elevate a cashier’s permissions. |
| Computer | S | The system the action is to be performed on |
| Database | S | The system the register connects to. |

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| **Pre-Conditions** | |
| # | Description |
|  | Employee lacks permissions to perform an action |

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| **Start Stimulus** |
| Cashier has insufficient privileges to perform an action |

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| **Use Case Main Course Steps** | | | |
| **Number** | **Description** | **Adds/Alt UC Name/Number** | **Bus Rule(s)#** |
| 01 | Cashier attempts to perform an action |  |  |
| 02 | Computer displays that the user has insufficient privileges to perform that action. |  |  |
| 03 | Cashier calls over a manager. |  |  |
| 04 | Manager presses <Manager override key> |  |  |
| 05 | Register displays the message “scan your ID now.” |  |  |
| 06 | Manager scans his ID |  |  |
| 07 | Computer checks ID against the database. |  |  |
| 08 | Computer identifies the ID as a valid manager. |  |  |
| 09 | Manager selects how long to retain permissions |  |  |
| 10 | Manager hits confirm |  |  |
| 11 | Cashier uses elevated permissions for the specified period of time. |  |  |

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| **Exception Conditions** | | |
| **Exception Situations** | **Action(s) on Exception** | **Adds/Alt Use Case #** |
| Invalid Emploee ID | Register displays a message “Not a valid employee ID” then returns to the main screen. |  |
| Insufficient Privileges | Register displays a message “Insufficient Privileges” then returns to the main screen. |  |
| Not Connected to Database | Register displays a message “Not connected to database” then returns to the main screen. |  |

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| Post-Conditions | |
| **#** | **Description** |
| 1 | Employee gains temporary permissions. |
| 2 | No change. |

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| **Candidate Objects** | | |
| **Class/Object Name** | **Descriptions** | **Possible**  **attributes** |
| Employee | Cashier | Username, ID, etc |
| LoginInfo | Holds login information | Username, password, etc |
| Transaction | Details about the current sale | Privileges |

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| **Assumptions** | | | | | |
| **#** | **Assumption** | **Date**  **Raised** | **Raised**  **By** | **Date**  **Verified** | **Verified By** |
| 1 | An employee should always be raised to the same permission level. | 2/29/16 | Skyler Swenson |  |  |
| 2 | The barcode for the manager permissions should never be displayed. | 2/29/16 | Skyler Swenson |  |  |
| 3 | A key should have to be pressed before beginning a manager override. | 2/29/16 | Skyler Swenson |  |  |

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| **Issues** | | | | | |
| **#** | **Issue** | **Date**  **Raised** | **Raised**  **By** | **Date**  **Verified** | **Verified By** |
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| **Other Comments** | | |
| **Author** | **Comment** | **Date** |
| Skyler Swenson | Should this be done by the card scanner or the barcode scanner? | 2/29/16 |
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| Frequency of Execution |
| **Frequency:**  Minimum: 0 Maximum: 30 Average: 15 (OR)Fixed:  **Per:** Hour:Day:  This one. Week:  Month:  Day:  Other: |

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| **Timing Information** | | | | | | | |
| **#** | **At/**  **Between** | **Step(s)** | **Timing**  **Unit** | **Minimum** | **Average** | **Maximum** | **Comments** |
| 1 | Between | 11 | seconds | 3 | 10 | 20 | Depending on the complexity of options displayed this could take longer than expected. |
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| **Volume Information** | | | | | | |
| **#** | **Step #** | **Unit of**  **Measure** | **Minimum** | **Average** | **Maximum** | **Comments** |
| 1 | 04/07 | bytes |  | 4k |  |  |
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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. |  |