**Use Case Specification**

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**Revision History**

| **Date** | **Revision #** | **Created By** | **Revision Notes** |
| --- | --- | --- | --- |
| 11/13/2021 | 1 | Vihan Parmar | Included all the cross cuts, included actor and system dialogue - Cancel order |
| 11/15/2021 | 1 | Roneil Boodram | Included all the cross cuts. In addition, actor and system dialogue was integrated into flows - Manage Orders |
| 11/15/2021 | 1 | Maisha Masnoon | Included all the cross cuts, included actor and system dialogue - Cancel order |
| 11/15/2021 | 1 | Tianqi Han | Included all the cross cuts, included actor and system dialogue - Checkout order |
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**UC. 05.02 Manage Orders**

| **Actor(s):** | Registered Customers |
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| **Short Description:** | The **actor** should be able to edit and update orders in the **system** as needed (add items, remove items, cancel order, add vendor instructions, delivery instructions, and promo code) via the cart screen. |
| **Pre-conditions:** | The **actor** should be logged into the **system** with a valid account and have items currently in the cart. |
| **Post-conditions:** | Order was successfully edited / canceled. Updates are reflected in the **system**. |
| **Frequency of Use:** | High |
| **Normal Flow of Events:**  1. The use case begins when the **actor** enters the cart screen and there are items in the cart. **[JP1: CF, ET, DDD, CN, LOC, A11Y, LOG]**  2. **System** displays a cart screen. **[JP2: DF - in]**  3. **Actors** can add or remove items from their cart. **[JP3: CF, CL, CA]**  4. **System** displays updates in the cart screen.  5. **Actor** adds Special Instructions for the vendor at the cart screen. **[JP4:CF, FV, CA]**  6. **System** displays updates in the cart screen.  7. **Actor** adds Driver Instructions for the vendor at the cart screen. **[JP5:CF, FV, CA]**  8. **System** displays updates in the cart screen.  9. **Actor** updates Delivery Address at cart screen **[JP6: CF, FV, LA, CA]**  10. **System** displays updates in the cart screen.  11. **Actor** enters a Promo Code. **[JP7: CF, FV]**  12. **System** displays changes to order on the cart screen.  13. **Actor** selects the Checkout Button to proceed to the Checkout Screen. **[JP8: PP, CN, ExH, PF]**  14. **System** displays Checkout Screen and use-case ends. **[JP9: DF - out]** | |
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| **Alternative Flows:**  A1: Cancel the Order: From step 2  1. **Actor** decides to abort the checkout and clicks the “Cancel” button. .**[JP9: CF]**  2. **System** cancels the checkout and goes back to the previous page. **[JP10: DF -**  **out]** | |
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| **Exceptions:**  E1. Unable to process the edits to order: From Step 2.   1. The order would not be edited because the user faced some connectivity issues while editing the order   E2. Unable to process the cancellation: From Step 2.   1. The order would not be cancelled because the user faced some connectivity issues while cancelling the order | |
| N/A | |
| **<<Include>> Relationships:** | N/A |
| **<< Extend>> Relationships:** | N/A |
| **Business Rules:** | The **actor** must have a registered and valid account in the systemin order to edit orders. The **actor** must also have items present in their cart. |
| **Assumptions:** | 1. The calculations of the **Actor’s** order information is correct.  2. **System** can reflect changes in the checkout screen. |

**UC. 05.03 Cancel Order**

| **Actor(s):** | 1. Registered Customers 2. Register Stores 3. User Support Team |
| --- | --- |
| **Short Description:** | The **Actor** should be able to cancel orders by accessing the track order page in the **System**. |
| **Pre-conditions:** | The **Actor** should be logged into the **System** with a valid account and have items currently in the cart. |
| **Post-conditions:** | Order was successfully canceled. Updates are reflected in the track order page. |
| **Frequency of Use:** | High |
| **Normal Flow of Events:**  1. The use case begins when the **Actor** signs into the **System[JP1: ET, LOC, A11Y]**  2. The **Actor** then navigates to the track order page in the **System** and findsa total list ofitems in the cart.[**JP2: CL**]  3. The **Actor** can cancel the order from their track order page in the **System**. **[JP3: DF - out].**  4. Once the **Actor** cancels the order, the **System** will accurately reflect the changes in the total order cost and process the payment accordingly.**[JP4: CL, PP]**  5.If the **System** does not let the **Actor** cancel the order due to connectivity issues, the **System** will throw an error stating - ‘Order is not cancelled’ or if the **System** lags while cancelling the order, it takes the **Actor** back to the track order page where the **Actor** can cancel the order **[JP5: ExH**, **CN, PF]**  6. The **System** must cache the cancel order information and print it in the Console Log **[JP6: CA, LOG]**  7. The use case ends when the **Actor** is able to successfully cancel the order in the **System[JP7: DF-Out]** | |
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| **Alternative Flows:** | |
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| **Exceptions:**  E1. Unable to process the cancellation: From Step 3.   1. The order would not be cancelled because the user faced some connectivity issues while cancelling the order | |
| N/A | |
| **<<Include>> Relationships:** | N/A |
| **<< Extend>> Relationships:** | N/A |
| **Business Rules:** | The user must have a registered and valid account in order to cancel orders. The user must also have items present in their cart. |
| **Assumptions:** | Cancelling the order will be accurately reflected in the total order cost.  Cancelling the order will be accurately reflected at the checkout page. |

**UC.05.07 Generate receipts**

| **Actor(s):** | 1. Register Customers 2. Register Stores |
| --- | --- |
| **Short Description:** | The **actor** should be able togenerate a receipt after processing the payment for a particular order through the **system**. |
| **Pre-conditions:** | The payment information of the **actor** should be present in the database of the **system**. |
| **Post-conditions:** | The **actor** was able to checkout the order for which receipt has been generated. |
| **Frequency of Use:** | High |
| **Normal Flow of Events:**   1. The **actor** completes the payment process by clicking the submit button. **[JP1, CL, CN, ExH]** 2. The **system** displays a page saying the payment was successful. **[JP2 CN, ExH]** 3. The **system** generates a receipt for the order **[JP3 DF - in, CN, ExH]** 4. The **actor** clicks the next button to move on to the next page **[JP4 CN, ExH]** 5. The **system** opens the order check out page to let the user check out. **[JP5 CN, ExH]** | |
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| **Alternative Flows:** | |
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| **Exceptions:**  E1. Abort the payment process: From Step 1.   1. The **system** could not process the payment because the **Actor** decided to abort the payment process by pressing the cancel button instead of submit. 2. **System** was unable to generate receipts. | |
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| **<<Include>> Relationships:** |  |
| **<< Extend>> Relationships:** |  |
| **Business Rules:** |  |
| **Assumptions:** | 1. **Actor’s** payment data in the database is correct and up to date. 2. **System** calculated the price for each item in the cart properly. 3. **Actor** was able to successfully complete the payment process |

**UC.05.08 Checkout order**

| **Actor(s):** | Registered Customer |
| --- | --- |
| **Short Description:** | The **actor** should be able to check out the order after items were added to the cart. |
| **Pre-conditions:** | The **actor** has added items to the cart |
| **Post-conditions:** | The **actor** can check out the order successfully and the order information is stored in the database of the **system** |
| **Frequency of Use:** | High |
| **Normal Flow of Events:**  1. This use case begins when the **actor** clicks the “Checkout” button on the cart page. **[JP1 ET, FV, DF-OUT, CA, ExH]**  2. **System** displays the Checkout page of the order information. **[JP2 CL, CN, CA, ExH]**  3. **Actor** reviews the order information and clicks a button of a payment method. **[JP3 DF-OUT, ExH]**  4. **System** processes the checkout and displays a “Success” message, then the use case ends. **[JP4 SEC, DF-IN, CL, CN, CA, ExH]** | |
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| **Alternative Flows:**  None | |
|  | |
| **Exceptions:**  E1. Abort the checkout: From Step 3.  1. **Actor** decides to abort the checkout and clicks the back icon button.  2. **System** cancels the checkout and goes back to the previous page. | |
|  | |
| **<<Include>> Relationships:** | N/A |
| **<< Extend>> Relationships:** | N/A |
| **Business Rules:** |  |
| **Assumptions:** | 1. The data of the **actor’**s order information is proper.  2. **System** can process the checkout successfully. |