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Connect-IT Life

Client information

Connect-IT Life

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SystemOps **- Group 25**

Project: Multivendor POS system

System name: AUTOCLEAR

Iteration 7

This document will outline iteration 7 for our client, Connect-IT life. Its purpose is to describe the design, models, interface development and coding that will go into building our proposed system

This document is composed of the following: Logical use case narratives, technical use case narratives, a sequence diagram and an activity diagram.

We have conducted in-depth research on our client's needs and have deduced innovative ideas and solutions. We aim to convince our client that our solution will be the best suited for their business by minimizing the tedious process of keeping track of sales, orders and deliveries to their vendors and clients through our system.

Table of Contents

1. Introduction

The following document serves as an insight into iteration 7 of the proposed system. The document contains the information of the design, models, interface development as well as the coding of our chosen use cases. Our team is proposing a new multivendor online store that will aim at helping the business with their day-to-day operations of selling 'deadstock', as their current manual system is not helping to solve some of the problems the business faces. The following system will act as a more efficient and safe solution of handling the sales and stock taking information of the business.

The following document highlights the use case narratives as well as the diagrams that will be used to design the proposed system, that will allow the vendors of the different businesses to focus on bolstering their sales.

2. Logical Narratives

Introduction

This section of the document contains the logical use case narratives for the proposed Autoclear system. The purpose of this section of the document is to give the detailed steps of each of the use cases.

Checkout Logical

USE CASE NAME:	Checkout	USE CASE TYPE
USE CASE ID:	3.4	Business Requirements: ○
PRIORITY:	High	System Analysis: ▯
SOURCE:	Autoclear	System Design: ○
PRIMARY BUSINESS ACTOR:	Customer	
PRIMARY THE SYSTEM ACTOR:	None.	
OTHER PARTICIPATING ACTORS:	None.	
OTHER INTERESTED STAKEHOLDERS:	None.	
DESCRIPTION:	This use case describes the event where the customer wishes to checkout their cart.	
PRE-CONDITION:	• The customer should be logged into their account.	

TRIGGER:	The customer wishes to checkout.	
TYPICAL COURSE OF EVENTS:	**ACTOR ACTION:**	**SYSTEM RESPONSE:**
	Step 1: The customer wishes to checkout.	
	Step 2: The customer clicks on the checkout button. [ALT]	**Step 3:** The system captures the following product information: ● Order_ID ● Product_ID ● Quantity System stores them in the **Order Line Entity**. System navigates to the checkout page.
		Step 4: The system will prompt the customer to enter their billing details and ensure those cart items are correct.
ALTERNATE COURSES:	ALT STEP 2: The customer wishes not to checkout. The use case ends.	
CONCLUSION:	The customer will be directed to the checkout page.	
POST-CONDITION:	• The products will be added to the **Order Line Entity**.	
BUSINESS RULES:	1. The customer must be registered.	
IMPLEMENTATION CONSTRAINTS AND SPECIFICATIONS:	None.	
ASSUMPTIONS:	None.	
OPEN ISSUES:	None.	

Place Order Logical

USE CASE NAME:	**Place Order**	**USE CASE TYPE**
USE CASE ID:	**5.1**	**Business Requirements:** ○
PRIORITY:	HIGH	**System Analysis:** ▯
SOURCE:	AutoClear	**System Design:** ○

<table>
<tr><td>PRIMARY BUSINESS ACTOR:</td><td colspan="2">Customer</td></tr>
<tr><td>PRIMARY THE SYSTEM ACTOR:</td><td colspan="2">None</td></tr>
<tr><td>OTHER PARTICIPATING ACTORS:</td><td colspan="2">None</td></tr>
<tr><td>OTHER INTERESTED STAKEHOLDERS:</td><td colspan="2">Admin</td></tr>
<tr><td>DESCRIPTION:</td><td colspan="2">The use case describes the event where the customer places an order on the system.</td></tr>
<tr><td>PRE-CONDITION:</td><td colspan="2">• The customer must be logged in.
• The products must exist</td></tr>
<tr><td>TRIGGER:</td><td colspan="2">The customer wishes to place an order on the Autoclear system.</td></tr>
<tr><td rowspan="4">TYPICAL COURSE OF EVENTS:</td><td>ACTOR ACTION:</td><td>SYSTEM RESPONSE:</td></tr>
<tr><td>Step 1: The customer wishes to place an order on the Autoclear system.</td><td></td></tr>
<tr><td>Step 2: The customer clicks on the checkout button.</td><td>Step 3: The system will redirect the customer to the checkout page.</td></tr>
<tr><td>Step 4: The customer will fill in the necessary billing details and click on the place order button.</td><td>Step 5: The system will validate the inputted fields to ensure information provided is valid.[ALT].
System captures the following order information:
● Order_ID
● Customer_ID
● Order Status_ID
● Address_ID
● Date
● Quantity
● Commission
● Total

System inserts information into the <u>Orders Entity</u>.</td></tr>
<tr><td>ALTERNATE</td><td></td><td>Step 6: The system will display a success message that the order has been placed.</td></tr>
<tr><td></td><td colspan="2">ALT Step 5: Not all fields are correct.</td></tr>
</table>

COURSES	
CONCLUSION:	The order has been successfully placed.
POST-CONDITION:	• The order has been added to the **Order Entity**.
BUSINESS RULES:	• The vendor must be accepted to sell on the Autoclear store.
IMPLEMENTATION CONSTRAINTS AND SPECIFICATIONS:	NONE
ASSUMPTIONS:	NONE
OPEN ISSUES:	NONE

View Order Logical

USE CASE NAME:	**View Order**	**USE CASE TYPE**
USE CASE ID:	**5.3**	**Business Requirements:** ○
PRIORITY:	HIGH	**System Analysis:** ▯
SOURCE:	AutoClear	**System Design:** ○
PRIMARY BUSINESS ACTOR:	Vendor	
PRIMARY THE SYSTEM ACTOR:	None	
OTHER PARTICIPATING ACTORS:	None	
OTHER INTERESTED STAKEHOLDERS:	Admin	
DESCRIPTION:	The use case describes the event where the vendor wishes to view the orders that have been placed on the system.	
PRE-CONDITION:	• The vendor must be logged onto the system. • The order must exist	
TRIGGER:	The vendor wishes to view the orders on the Autoclear system.	
TYPICAL COURSE OF EVENTS:	**ACTOR ACTION:**	**SYSTEM RESPONSE:**
	Step 1: The vendor wishes to view the orders on the Autoclear system.	
	Step 2: The vendor will be redirected to the vendor dashboard landing page. From	Step 3: The system invoke use case Search Order to

	the landing page they will navigate to the “orders” menu item	retrieve the following order information: **Order Entity**: ● Order_ID ● Customer_ID ● Order Status_ID ● Address_ID ● Date ● Quantity ● Commission ● Total **Order Status entity:** ● Order Status_ID ● Description The system will display the orders in an angular data table. [ALT]
	Step 4: The vendor will view the orders	
ALTERNATE COURSES	ALT Step 3: There are no orders on the system. The use case ends.	
CONCLUSION:	The orders have been successfully shown to the vendor on the system.	
POST-CONDITION:	• The orders have been retrieved from the **Order Entity** and the **Order Status entity**.	
BUSINESS RULES:	• The vendor must be accepted to sell on the Autoclear store.	
IMPLEMENTATION CONSTRAINTS AND SPECIFICATIONS:	NONE	
ASSUMPTIONS:	NONE	
OPEN ISSUES:	NONE	

Generate Sales Report Logical

USE CASE NAME:	**Generate Sales report**	**USE CASE TYPE**
USE CASE ID:	**6.1**	**Business Requirements:** ○
PRIORITY:	High	**System Analysis:** □

SOURCE:	Autoclear	**System Design:** ○
PRIMARY BUSINESS ACTOR:	Admin Clerk	
PRIMARY THE SYSTEM ACTOR:	None	
OTHER PARTICIPATING ACTORS:	None	
OTHER INTERESTED STAKEHOLDERS:	None	
DESCRIPTION:	This use case describes the event where the Administrator wants to generate a sales report.	
PRE-CONDITION:	• The system should be online. • The Administrator should be logged on to the system.	
TRIGGER:	The Administrator wants to generate a sales report.	
TYPICAL COURSE OF EVENTS:	**ACTOR ACTION:**	**SYSTEM RESPONSE:**
	Step 1: Admin Clerk wishes to generate a sales report	
	Step 2: The Admin Clerk proceeds by navigating to the admin dashboard.	**Step 3**: System responds by displaying Sales and Order card which is populated by a data table that contains all sales and order information made on the system.
	Step 4: Admin Clerk then proceeds to click on the 3 dots icon which displays a view report button. Admin Clerk clicks on the view report button.	**Step 5**: System responds by displaying dialog page which contains: ● Logo ● Title of report ● who generated the report ● Footer
	Step 6: Admin Clerk proceeds to click on the download button[ALT]	**Step 7**: System responds by downloading the report in a PDF format
ALTERNATE COURSES:	ALT Step 6: Admin clicks on the close button, ending use case	
CONCLUSION:	The use case concludes once the sales report is downloaded successfully	

POST-CONDITION:	• The sales report is generated and downloaded onto the administrator's computer
BUSINESS RULES:	1. Admin clerk must be logged on the system
IMPLEMENTATION CONSTRAINTS AND SPECIFICATIONS:	None
ASSUMPTIONS:	None
OPEN ISSUES:	None

Generate Feedback Report Logical

USE CASE NAME:	Generate feedback report	**USE CASE TYPE**
USE CASE ID:	6.3	Business Requirements: ☐
PRIORITY:	HIGH	System Analysis: ☑
SOURCE:	AutoClear	System Design: ☐
PRIMARY BUSINESS ACTOR	Admin clerk	
PRIMARY SYSTEM ACTOR	None.	
OTHER PARTICIPATING ACTORS:	None.	
OTHER INTERESTED STAKEHOLDERS:	None.	
DESCRIPTION:	This use case describes the event where the Administrator wants to generate a product reviews report.	
PRE-CONDITION:	• The system should be online. • The Administrator should be logged on to the system.	
TRIGGER:	The Administrator wants to generate a product reviews report.	
TYPICAL COURSE OF EVENTS:	**Actor Action**	**System Response**
	Step 1: The Admin clerk wants to generate a product review report.	
	Step 2: The Admin clerk proceeds by navigating to the the review screen	**Step 3:** The system responds retrieving the following review information: Review Entity:

		● Review_ID ● Customer_ID ● Order_ID ● ReviewName ● ReviewDate ● Description System displaying the reviews datatable filled with all system reviews.
	Step 4: The Admin clerk clicks on the download PDF button.	**Step 5:** The system responds by downloading a PDF file with a list of product review entries from the **Review entity**.
ALTERNATE COURSES:		
CONCLUSION:	Report successfully downloaded.	
POST-CONDITION:	The product review's report is generated and downloaded onto the administrator's computer	
BUSINESS RULES	● The administrator should be logged in on the system.	
IMPLEMENTATION CONSTRAINTS AND SPECIFICATIONS	None.	
ASSUMPTIONS:	The administrator user role will be created when the system is being developed.	
OPEN ISSUES:	None	

Generate Orders Report Logical

USE CASE NAME:	**Generate Orders report**	USE CASE TYPE
USE CASE ID:	**6.5**	**Business Requirements:** □
PRIORITY:	High	**System Analysis:** ☑
SOURCE:	Autoclear	**System Design:** □
PRIMARY BUSINESS ACTOR:	Admin Clerk	
PRIMARY THE SYSTEM ACTOR:	None	
OTHER PARTICIPATING ACTORS:	None	
OTHER INTERESTED STAKEHOLDERS:	None	
DESCRIPTION:	This use case describes the event where the Administrator wants to generate an orders report.	

PRE-CONDITION:	• The admin should be online.	
TRIGGER:	The admin clerk wishes to generate an Orders report.	
TYPICAL COURSE OF EVENTS:	**ACTOR ACTION:**	**SYSTEM RESPONSE:**
	Step 1: Admin Clerk wishes to generate an orders report	
	Step 2: The Admin Clerk proceeds by navigating to the dashboard.	**Step 3**: System responds by displaying a data table that contains all Orders made on the system
	Step 4: Admin Clerk then proceeds to click on the download pdf button at the top of the screen.	**Step 5**: System responds by downloading a pdf file containing all orders made on the system
ALTERNATE COURSES:		
CONCLUSION:	The use case concludes once the orders report is downloaded successfully	
POST-CONDITION:	• The orders report is generated and downloaded onto the administrator's computer	
BUSINESS RULES:	**1.** Admin clerk must be logged on the system **2.** There should be orders made on the system	
IMPLEMENTATION CONSTRAINTS AND SPECIFICATIONS:	None	
ASSUMPTIONS:	None	
OPEN ISSUES:	None	

Conclusion

This concludes the logical narrative section.

3. Technical Narratives

Introduction

This section of the document is the technical narrative, which will showcase the step-by-step user interaction with the system.

Checkout Technical

<table>
<tr><td>USE CASE NAME:</td><td colspan="2">Checkout</td><td>USE CASE TYPE</td></tr>
<tr><td>USE CASE ID:</td><td colspan="2">3.4</td><td rowspan="3">Business Requirements: ○
System Analysis: ○
System Design: ▯</td></tr>
<tr><td>PRIORITY:</td><td colspan="2">High</td></tr>
<tr><td>SOURCE:</td><td colspan="2">Autoclear</td></tr>
<tr><td>PRIMARY BUSINESS ACTOR:</td><td colspan="3">Customer</td></tr>
<tr><td>PRIMARY THE SYSTEM ACTOR:</td><td colspan="3">None.</td></tr>
<tr><td>OTHER PARTICIPATING ACTORS:</td><td colspan="3">None.</td></tr>
<tr><td>OTHER INTERESTED STAKEHOLDERS:</td><td colspan="3">None.</td></tr>
<tr><td>DESCRIPTION:</td><td colspan="3">This use case describes the event where the customer wishes to checkout their cart.</td></tr>
<tr><td>PRE-CONDITION:</td><td colspan="3">• The customer should be logged into their account.</td></tr>
<tr><td>TRIGGER:</td><td colspan="3">The customer wishes to checkout.</td></tr>
<tr><td rowspan="3">TYPICAL COURSE OF EVENTS:</td><td rowspan="2">ACTOR ACTION:</td><td colspan="2">SYSTEM RESPONSE:</td></tr>
<tr><td>Manual Action</td><td>Automated Action</td></tr>
<tr><td>Step 1: The customer wishes to checkout.</td><td></td><td></td></tr>
<tr><td></td><td>Step 2: The customer clicks on the checkout button. [ALT]</td><td></td><td>Step 3: The system will respond by displaying the checkout page.</td></tr>
<tr><td></td><td></td><td></td><td>Step 4: The system will prompt the customer to enter their billing details and ensure those cart items are correct.
Displays of the view of the cart contain the following elements:

A navbar containing of:
• Account
• Orders
• Sell on Autoclear</td></tr>
</table>

			• Shopping Cart • Wishlist • Contacts • FAQ • About • Blog • Reviews • Heading with text: “Checkout” • Label with text: “Have a coupon’ • Link with text: “Click here to enter code” • Section with heading:“Billing details” • Sub-section with heading : First Name & Input Field Last Name & Input Field Town/City & Input Field Billing Street Address Input Field Postcode/ZIP & Input Field • Heading with text: “Shipping details” • Sub-section with heading: “Shipping details” • Text : Billing Street Address • Textbox for Input • Text: Town/City • Textbox for input • Text: Postcode/ZIP • Textbox for input • Heading with text: “Contact details” • Text: “Phone” • Textbox for input • Text: Email Address • Textbox for input • Label with text: “Notes” • Textbox for input • Heading with text: “Order Summary” • Text: Cart Item Details • Label with text: “Subtotal” • Text: Subtotal Amount • Label with text: “Shipping” • Text: “Free: • Label with text: “Total” • Text: Total Amount • Radio Button with text: “Direct bank transfer” • Text: “Make your payment directly into our bank account. Please use

			your OrderID as the payment reference. Your order will not be shipped until funds have cleared in our account." • Check button with text: "I have read and agree to the website terms and conditions." • Text:" Your personal data will be used to process your order, support your experience throughout this website, and for other purposes in our privacy policy." • Button with text: "Place order"
ALTERNATE COURSES	ALT STEP 2: The customer wishes not to checkout. The use case ends.		
CONCLUSION:	The customer will be directed to the checkout page.		
POST-CONDITION:	• The products will be added to the **Order Item Entity**.		
BUSINESS RULES:	The customer must be registered.		
IMPLEMENTATION CONSTRAINTS AND SPECIFICATIONS:	None.		
ASSUMPTIONS:	None.		
OPEN ISSUES:	None.		

Place Order Technical

USE CASE NAME:	**Place Order**	**USE CASE TYPE**
USE CASE ID:	**5.1**	**Business Requirements:** ○
PRIORITY:	HIGH	**System Analysis:** ○
SOURCE:	Autoclear	**System Design:** ▯
PRIMARY BUSINESS ACTOR:	Customer	
PRIMARY THE SYSTEM ACTOR:	NONE	
OTHER PARTICIPATING ACTORS:	NONE	
OTHER INTERESTED STAKEHOLDERS:	Admin	

<table>
<tr><td>DESCRIPTION:</td><td colspan="3">The use case describes the event where the customer wishes to place an order on the system.</td></tr>
<tr><td>PRE-CONDITION:</td><td colspan="3">• The customer must be logged onto the system.
• The products must exist.</td></tr>
<tr><td>TRIGGER:</td><td colspan="3">The customer wishes to place an order.</td></tr>
<tr><td rowspan="2">TYPICAL COURSE OF EVENTS:</td><td rowspan="2">ACTOR ACTION:</td><td colspan="2">SYSTEM RESPONSE:</td></tr>
<tr><td>Manual Action</td><td>Automated Action</td></tr>
<tr><td></td><td>Step 1: The customer wishes to place an order on the Autoclear system.
The customer will click the checkout button and be redirected to the checkout page.</td><td></td><td>Step 2: The system will respond by displaying the “Checkout” screen.
This screen is populated by following information
Headings:
• Billing details
• Shipping details
• Contact details
Labels:
• First Name
• Last Name
• Billing Street Address
• Town/City
• Postal Code/Zip
• Shipping Street Address
• Town/City
• Postal Code/Zip
• Phone
• Email Address
• Notes

Order Summary:
• Products selected for order in displayed in bootstrap cards
Labels:
• Subtotal
• Shipping
• Total
Radio Button:
• Direct Bank Transfer
Card with informational text</td></tr>
</table>

			Checkbox: • Terms and Agreement Text informing of privacy policy Button: • Place Order
	Step 3: The vendor will enter the required details.		Step 4: The system will validate the inputted details. [ALT]
			Step 5: The system will display a success message: Label: You have successfully purchased an order Button: OK
ALTERNATE COURSES	ALT Step 4: Fields entered are incorrect return to step 3.		
CONCLUSION:	The order has been successfully placed.		
POST-CONDITION:	• The order has been added to the **Order Entity**.		
BUSINESS RULES:	• The products must exist.		
IMPLEMENTATION CONSTRAINTS AND SPECIFICATIONS:	NONE		
ASSUMPTIONS:	NONE		
OPEN ISSUES:	NONE		

View Order Technical

USE CASE NAME:	**View Order**	**USE CASE TYPE**
USE CASE ID:	**5.3**	**Business Requirements:** ○
PRIORITY:	HIGH	**System Analysis:** ○
SOURCE:	Autoclear	**System Design:** ▯
PRIMARY BUSINESS ACTOR:	Vendor	
PRIMARY THE SYSTEM ACTOR:	NONE	
OTHER PARTICIPATING ACTORS:	NONE	

<table>
<tr><td>OTHER INTERESTED STAKEHOLDERS:</td><td colspan="3">Admin</td></tr>
<tr><td>DESCRIPTION:</td><td colspan="3">The use case describes the event where the vendor wishes to view the orders that have been placed on the system</td></tr>
<tr><td>PRE-CONDITION:</td><td colspan="3">• The vendor must be logged onto the system.
• The order must exist.</td></tr>
<tr><td>TRIGGER:</td><td colspan="3">The vendor wishes to view the orders placed.</td></tr>
<tr><td rowspan="2">TYPICAL COURSE OF EVENTS:</td><td rowspan="2">ACTOR ACTION:</td><td colspan="2">SYSTEM RESPONSE:</td></tr>
<tr><td>Manual Action</td><td>Automated Action</td></tr>
<tr><td></td><td>Step 1:The vendor wishes to view the products on the Autoclear system. The vendor will be redirected to the vendor dashboard landing page. From the landing page they will navigate to the “orders” menu item</td><td></td><td>Step 2: The system will respond by displaying the “Orders” screen.
This screen is populated by the orders retrieved from the Orders Entity using an SQL READ statement in an angular material table with corresponding FKs from the Order Status entity.
Displaying the:
• Order Number
• Quantity
• Total
• Order Status
Buttons:
• Download PDF
• View
• Cancel

The screen also has a screen bar used to search through the different orders</td></tr>
<tr><td></td><td>Step 3: The vendor will click on the view button.</td><td></td><td>Step 4: The system will display a modal with the following information:
• Heading: Order Details
• Heading: Customer Details
• Labels:
Name
Address
Shipping method

• Heading: Order Items</td></tr>
</table>

			• Labels: List of items ordered • Dropdown menu: Order Status Buttons: • Change • Cancel [ALT]
	Step 5: Vendor will be able to view order information		
ALTERNATE COURSES	ALT Step 4: The vendor cancels the order, and the use case ends.		
CONCLUSION:	The orders have been successfully shown on the system.		
POST-CONDITION:	• The orders have been retrieved from the **Order Entity**.		
BUSINESS RULES:	• The orders must exist.		
IMPLEMENTATION CONSTRAINTS AND SPECIFICATIONS:	NONE		
ASSUMPTIONS:	NONE		
OPEN ISSUES:	NONE		

Generate Sales Report Technical

USE CASE NAME:	**Generate Sales Report**	**USE CASE TYPE**
USE CASE ID:	**6.1**	**Business Requirements:** ○
PRIORITY:	High	**System Analysis:** ○
SOURCE:		**System Design:** ▯
PRIMARY BUSINESS ACTOR:	Admin Clerk	
PRIMARY THE SYSTEM ACTOR:	None	
OTHER PARTICIPATING ACTORS:	None	
OTHER INTERESTED STAKEHOLDERS:	None	
DESCRIPTION:	This use case describes the event where the Administrator wants to generate a sales report. The use case begins with the admin clerk wishing to generate a sales report and select the admin dashboard icon. Use Case ends once the sales report has been downloaded as a pdf on the admin clerk's screen	
PRE-CONDITION:	• The system should be online.	

<table>
<tr><td></td><td colspan="3">• The Administrator should be logged on to the system.</td></tr>
<tr><td>TRIGGER:</td><td colspan="3">The Administrator wants to generate a sales report.</td></tr>
<tr><td rowspan="3">TYPICAL COURSE OF EVENTS:</td><td rowspan="2">ACTOR ACTION:</td><td colspan="2">SYSTEM RESPONSE:</td></tr>
<tr><td>MANUAL ACTION:</td><td>AUTOMATED ACTION:</td></tr>
<tr><td>Step 1: The Admin clerk wishes to generate a sales report and decides to select the dashboard icon.</td><td></td><td>Step 2: The system responds by loading the dashboard screen with all the following controls and components:
Sidebar on left side of screen:
• Organisation icon
• Dashboard icon
• Product icon
• Cart icon
• Money icon
• Profile icon
• Settings icon
• Promotion icon
• Wishlist icon
• Logout icon

Title: Dashboard

Cards with the following information:

Sales card:
• Datatable containing sales information
• 3 dot icon
Order card:
• Datatable containing order information
• 3 dot icon
Feedback card:
• Datatable with feedback information
• 3 dot icon</td></tr>
<tr><td>Step 3: Admin clerk navigates to the Sales Report card and clicks on the 3 dots icon which displays the view report button. Admin clicks on view report button</td><td></td><td>Step 4: The system responds by displaying a dialog page with the following information:
• Business Logo
• Title:
Sales Report
• Text:</td></tr>
</table>

			Issue Date • DataTable containing Sales information which includes: Product Name Product description Date Quantity Product Price Total • Text: Generated by: (name of person downloading report) • Footer containing the following text: 2022 Copyright:Connect-IT Life-All Rights Reserved • Buttons: Close Download
	Step 5: Admin Clerk proceeds to click on the download button[ALT]		**Step 6**: System responds by downloading the report in a PDF format.
ALTERNATE COURSES:	ALT STEP 6: Admin clerk clicks on the close button which ends the use case		
CONCLUSION:	The use case concludes once the sales report is downloaded in PDF format successfully		
POST-CONDITION:	The sales report is generated and downloaded onto the administrator's computer		
BUSINESS RULES:	Admin clerk must be logged on the system		
IMPLEMENTATION CONSTRAINTS AND SPECIFICATIONS:	None		
ASSUMPTIONS:	None		
OPEN ISSUES:	None		

Generate Feedback Report Technical

Use case name:	Generate Feedback report	**Use case type**
Use case ID:	6.3	**Business Requirements:**
Priority:	High	System Analysis: □
Source:	System Analysis level narratives and Prototype Website screens	System design ☑

<table>
<tr><td>Primary business actor:</td><td colspan="3">Admin Clerk</td></tr>
<tr><td>Primary the system actor:</td><td colspan="3">None</td></tr>
<tr><td>Other participating actors:</td><td colspan="3">None</td></tr>
<tr><td>Other interested stakeholders:</td><td colspan="3">none</td></tr>
<tr><td>Description:</td><td colspan="3">This use case describes the event where the Admin Clerkwants to generate a product reviews report. The Admin Clerk proceeds by navigating to the “Reviews ” page within the admin clerk dashboard page. The system responds by loading and displaying the “Reviews” screen with a datatable populated with the submitted Admin clerk’s reviews.</td></tr>
<tr><td>Pre-condition:</td><td colspan="3">• The system should be online.
• The Admin clerk should be logged on to the system.</td></tr>
<tr><td>Trigger:</td><td colspan="3">This use case describes the event where the Admin Clerkwants to generate a product reviews report by navigating to the Reviews page</td></tr>
<tr><td rowspan="2">Typical course of events:</td><td rowspan="2">Actor action:</td><td colspan="2">system response:</td></tr>
<tr><td>Manual Action</td><td>Automated Action</td></tr>
<tr><td>Step 1: This use case describes the event where the Admin Clerk wants to generate a product reviews report by navigating to the Reviews page</td><td></td><td>Step 2: The system responds by loading and displaying the “Reviews ” screen. The “Reviews ” screen components are all placed in a datatable. The following components are visible and enabled unless stated otherwise. The screen contains the following controls (controls are all enabled unless specified otherwise):

Labels
• “Reviews” (Page Heading Label)
• “Items per page” (Paginator Label)
• Page number

Textbox
• “Search” (Search bar textbox Input Control - text)</td></tr>
</table>

			Numeric Dropdown • "**Pagination Drop Down**" (numeric, items: "10, 25, 50, 100") **Table Headings** • "Name" • "Description" • "Date" • "Actions" **Buttons** • **"<"** back one page • **">"** forward one page • **"I<"** back to page 1 • **">I"** forward to the last page • "Delete" • "Update" • "Download pdf"
	Step 3: The Admin clerk can then click on the download pdf button.		**Step 4:** The system responds by downloading a pdf file with a list of product review entries from the Review entity.
Alternate courses:			
Conclusion:	Several product reviews will be successfully managed.		
Post-condition:	Data in the **Review** entity will retrieved and/or manipulated		
Business rules:	The Admin clerk should be logged in on the system.		
Implementation constraints and specifications:	The Admin clerk will require internet access in order to utilise the delete feedback use case.		
Assumptions:	The Admin clerk user role will be created when the system is being developed.		
Open Issues:	None		

Generate Orders Report Technical

USE CASE NAME:	**Generate Orders Report**	USE CASE TYPE	
USE CASE ID:	**6.5**	**Business Requirements:**	○
PRIORITY:	High	**System Analysis:**	○
SOURCE:		**System Design:**	

<table>
<tr><td>PRIMARY BUSINESS ACTOR:</td><td colspan="3">Admin Clerk</td></tr>
<tr><td>PRIMARY THE SYSTEM ACTOR:</td><td colspan="3">None</td></tr>
<tr><td>OTHER PARTICIPATING ACTORS:</td><td colspan="3">None</td></tr>
<tr><td>OTHER INTERESTED STAKEHOLDERS:</td><td colspan="3">None</td></tr>
<tr><td>DESCRIPTION:</td><td colspan="3">This use case describes the event where the Administrator wants to generate an orders report.</td></tr>
<tr><td>PRE-CONDITION:</td><td colspan="3">• The system should be online.</td></tr>
<tr><td>TRIGGER:</td><td colspan="3">The admin clerk wishes to generate an Orders report.
wants to generate a sales report.</td></tr>
<tr><td rowspan="2">TYPICAL COURSE OF EVENTS:</td><td rowspan="2">ACTOR ACTION:</td><td colspan="2">SYSTEM RESPONSE:</td></tr>
<tr><td>MANUAL ACTION:</td><td>AUTOMATED ACTION:</td></tr>
<tr><td></td><td>Step 1: The admin clerk wishes to generate an Orders report and navigates to the dashboard.
.</td><td></td><td>Step 2: The system responds by loading the dashboard screen with all the following controls and components:
Sidebar on left side of screen:
• Organisation icon
• Dashboard icon
• Product icon
• Cart icon
• Money icon
• Profile icon
• Settings icon
• Promotion icon
• Wishlist icon
• Logout icon

Title: Dashboard

Cards with the following information:

Sales card:
• Data table containing sales information

Order card:
• Data table containing order information

Feedback card:
• data table with feedback information</td></tr>
</table>

	Step 3: Admin clerk clicks on View Report		Step 4: The system responds by displaying the Orders Report. Which contains the following components: • An Auto clear logo at the top. • The issue date. • A Table with the columns Order Number, Quantity, Total, Order Status. • Whom its generated by. • A footer • A close or download button.
	Step 5: Admin clerk clicks on download or close. [ALT]		Step 6: System notifies admin clerk through a pop-up message: "Sales report has been downloaded successfully
ALTERNATE COURSES:	Step 5: Order Report is closed		
CONCLUSION:	The use case concludes once the orders report is downloaded successfully		
POST-CONDITION:	The orders report is generated and downloaded onto the administrator's computer		
BUSINESS RULES:	Admin clerk must be logged on the system There should be orders made on the system		
IMPLEMENTATION CONSTRAINTS AND SPECIFICATIONS:	None		
ASSUMPTIONS:	None		
OPEN ISSUES:	None		

Conclusion

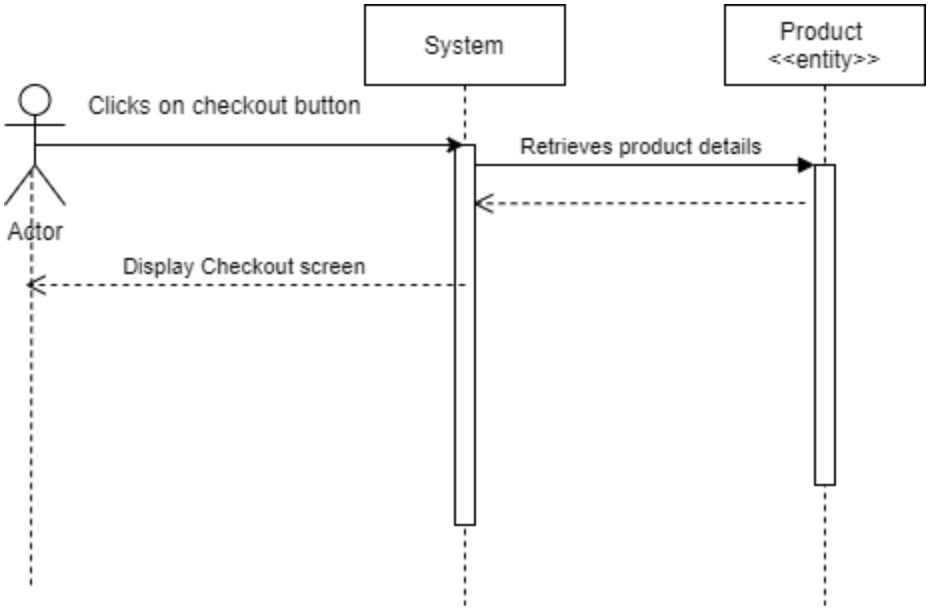
This concludes the technical narrative section of this document.

4. Sequence Diagram

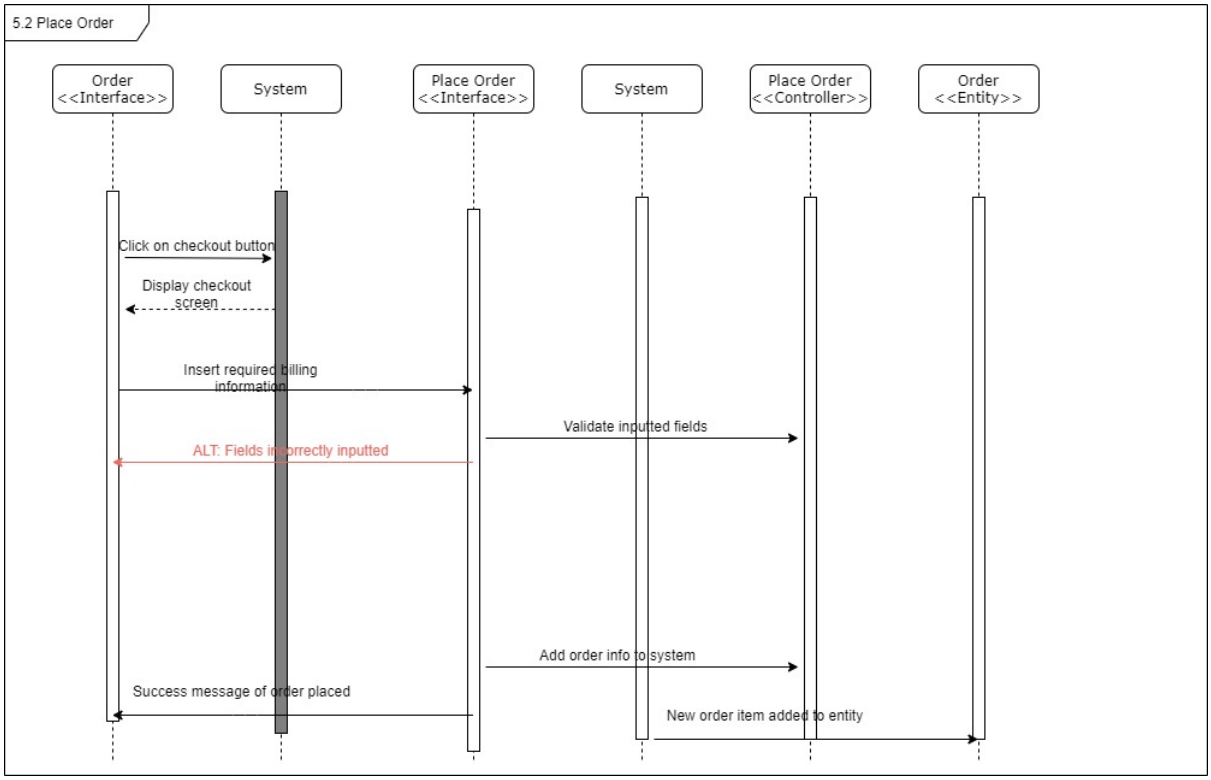
Introduction

This section aims to showcase the different interactions in the system and what events get triggered in the system.

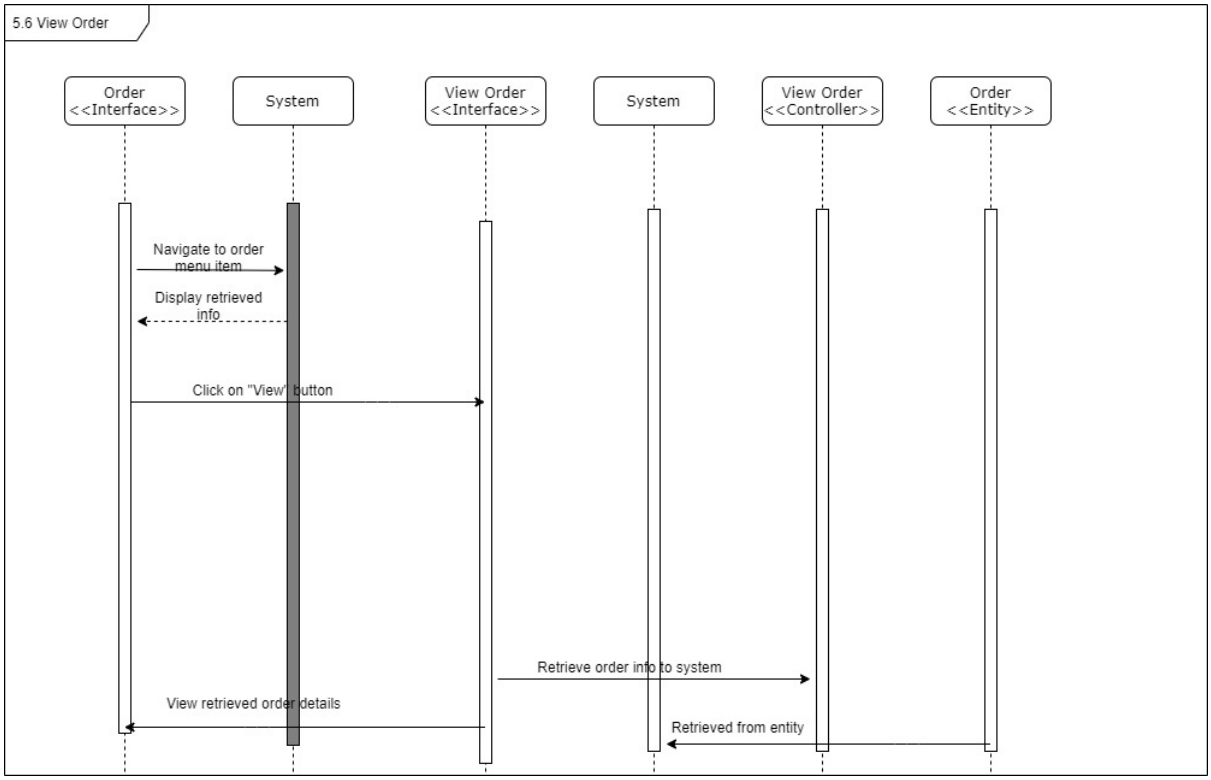
Checkout Sequence



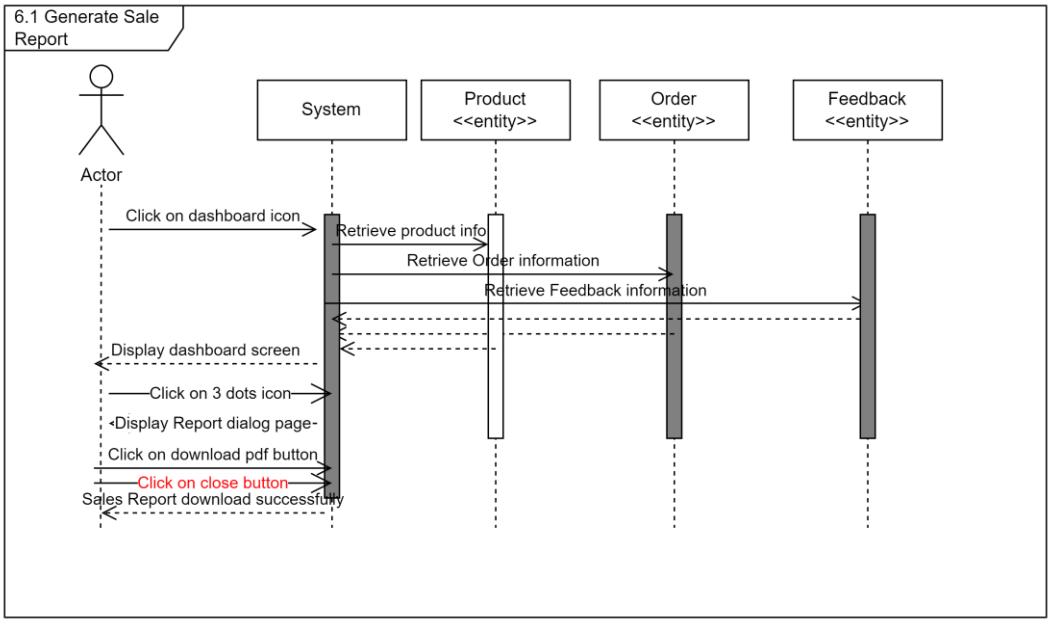
Place Order Sequence



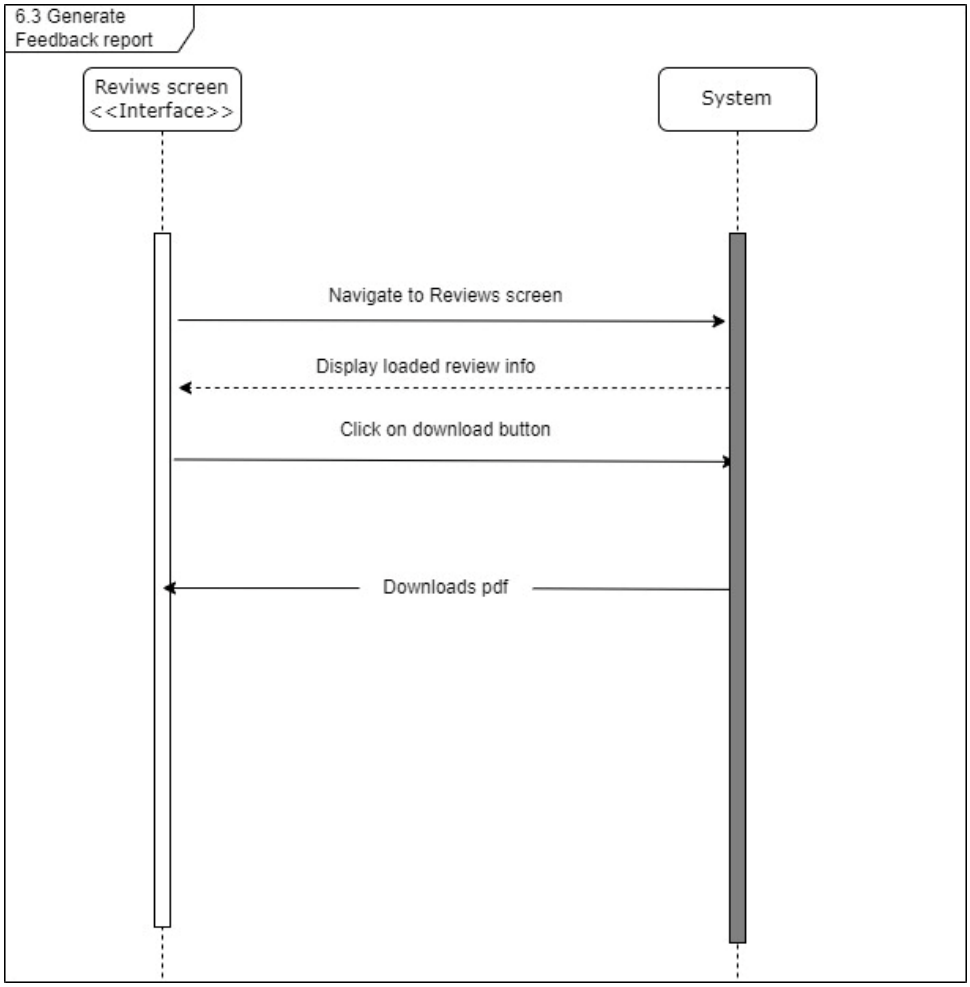
View Order Sequence



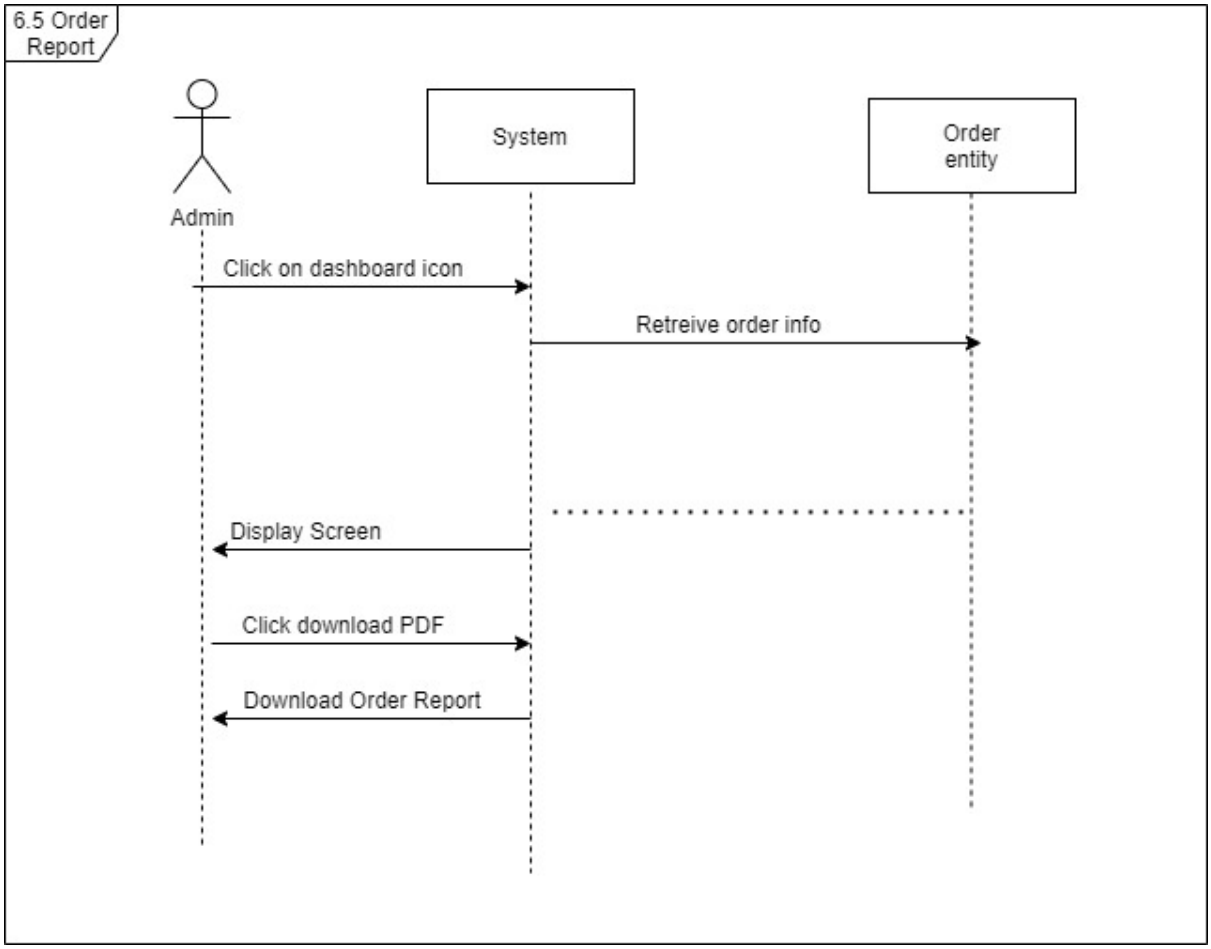
Generate Sales Report Sequence



Generate Feedback Report Sequence



Generate Order Report Sequence



Conclusion

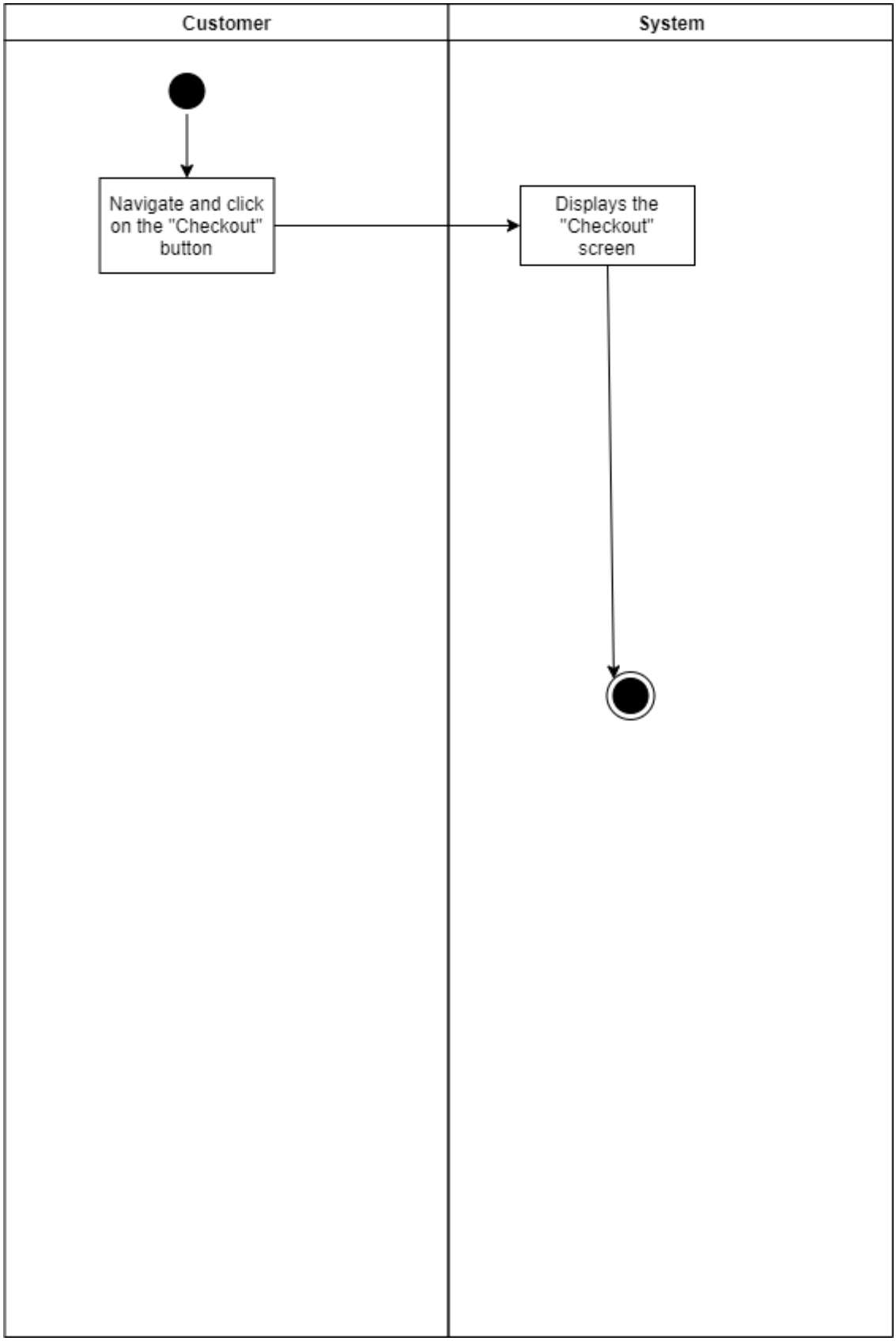
This concludes the sequence diagram section.

5. Activity Diagram

Introduction

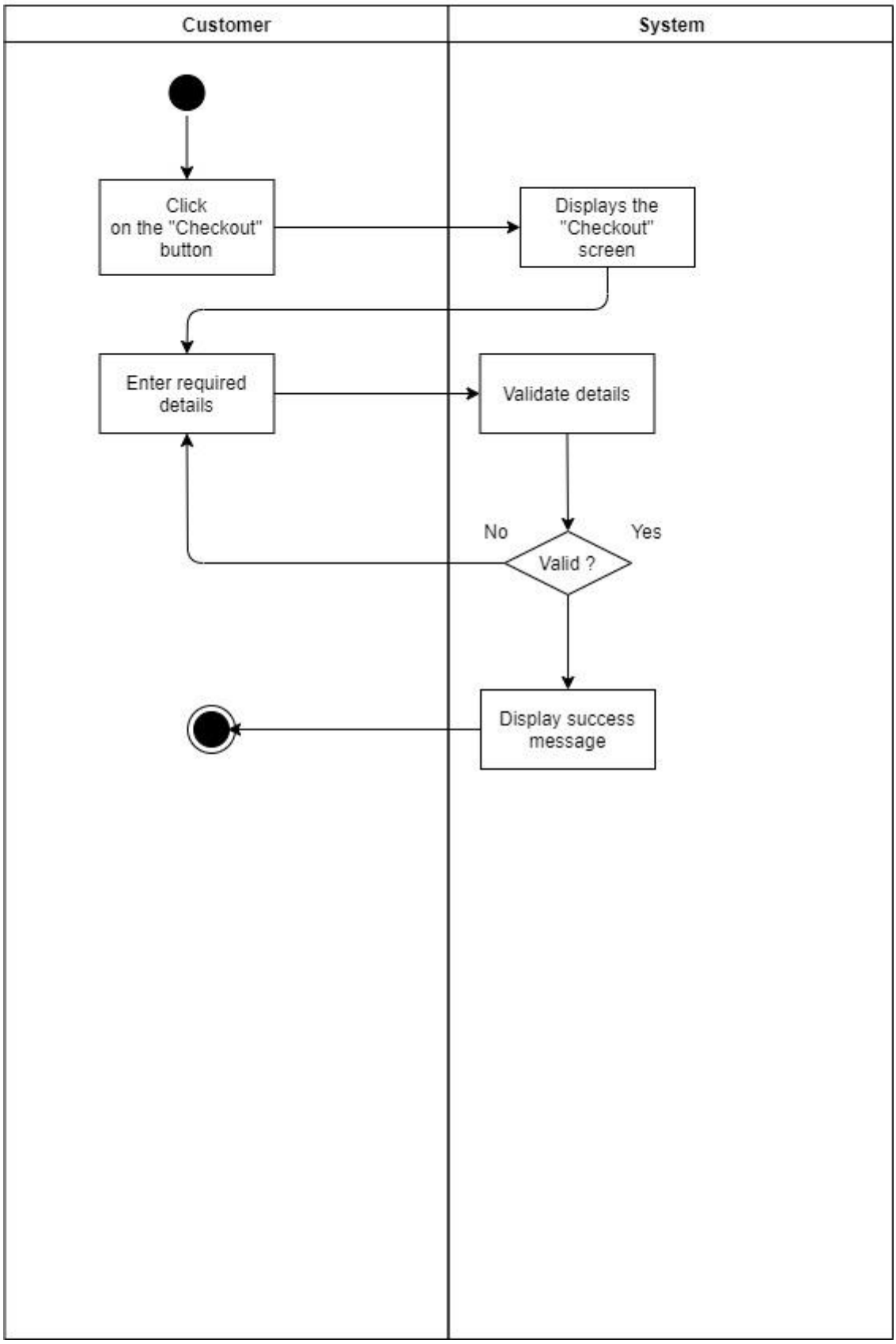
This section aims to convey the workflow of activities from a start point to a finish point, detailing the many decision paths that exist in the progression of events contained in the activity.

Checkout Activity

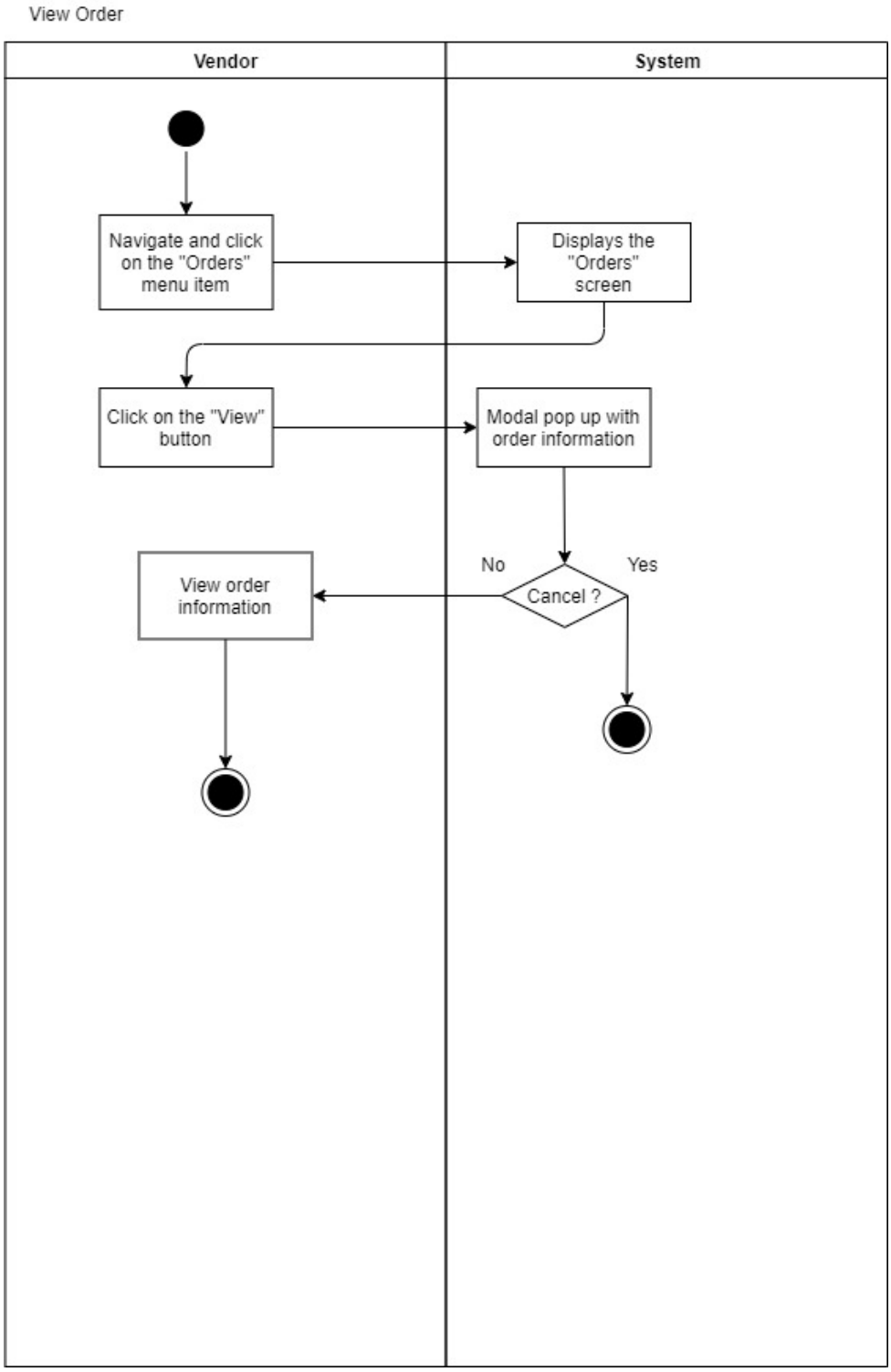


Place Order Activity

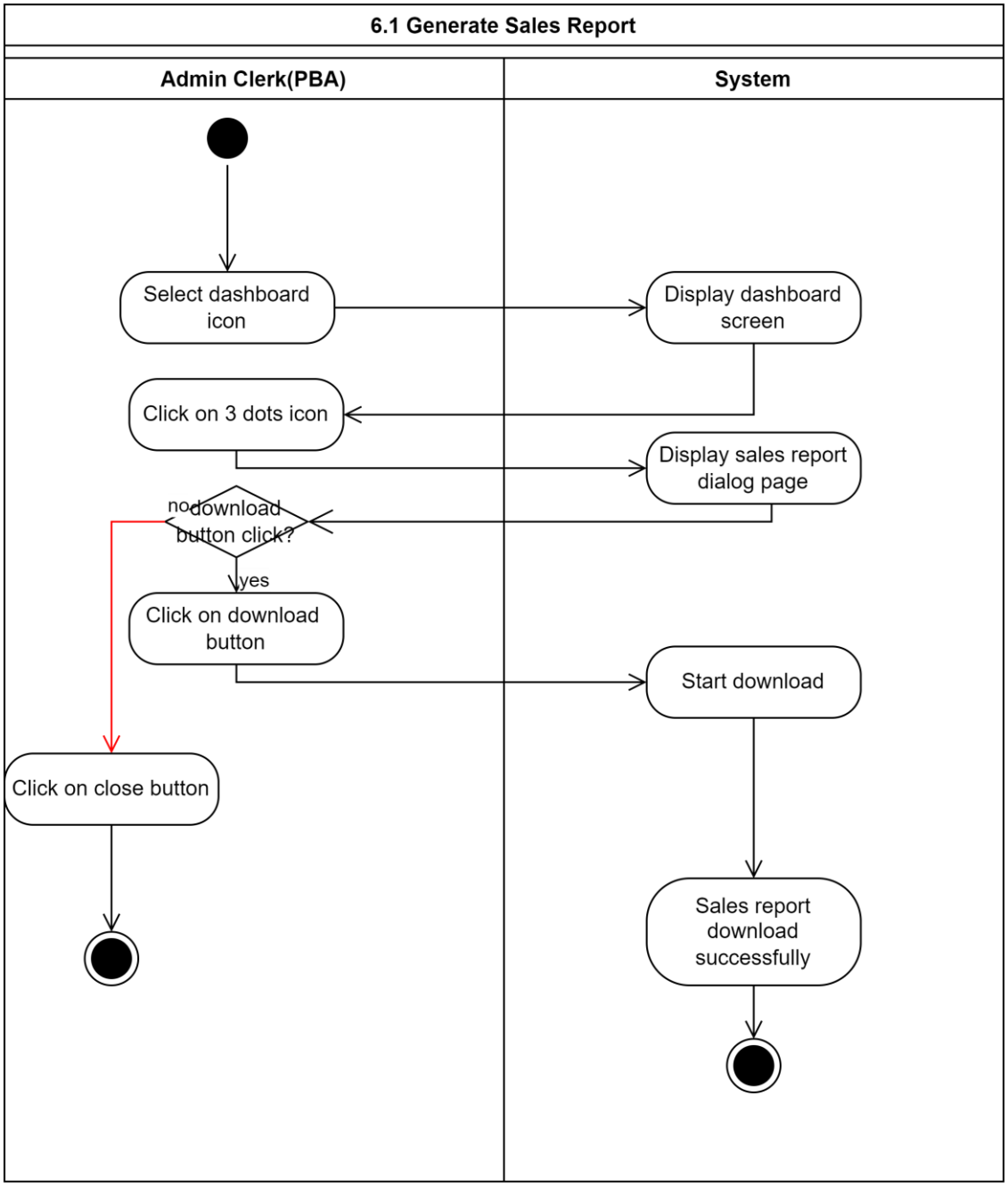
Place Order


Customer
System
Click on the "Checkout" button
Displays the "Checkout" screen
Enter required details
Validate details
No
Yes
Valid ?
Display success message

View Order Activity

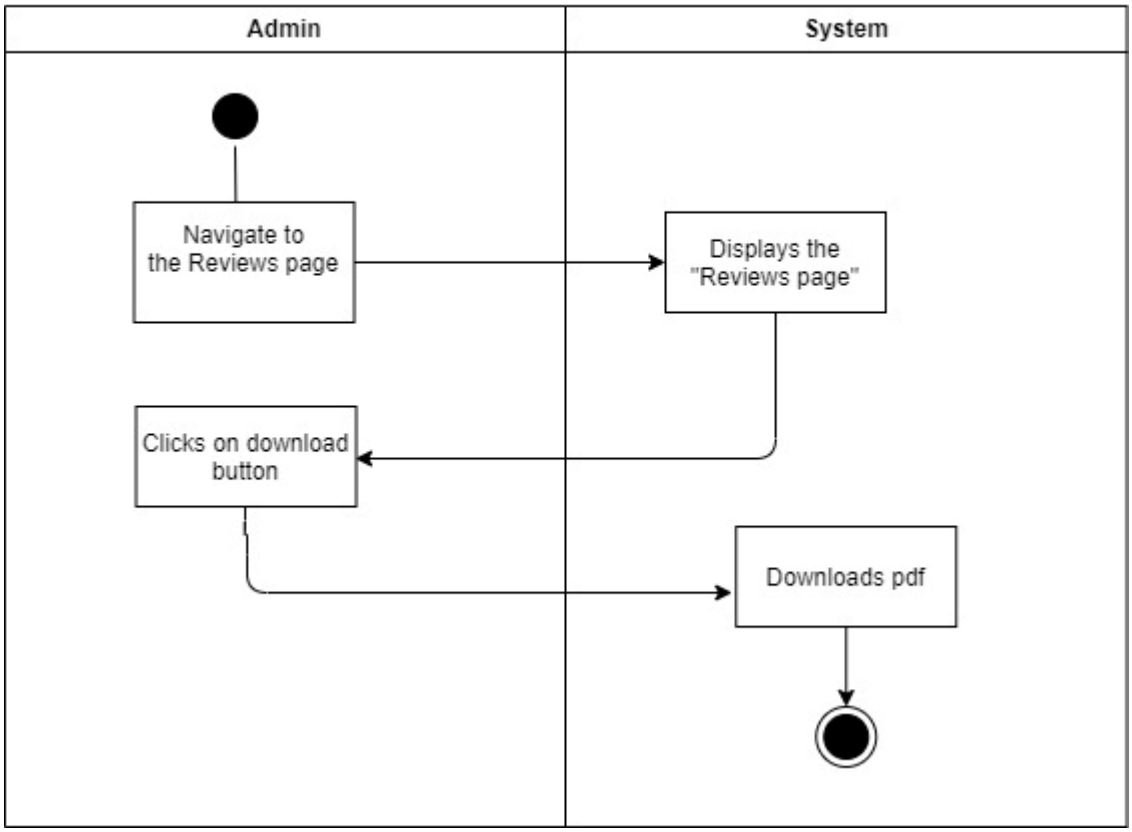


Generate Sales Report Activity

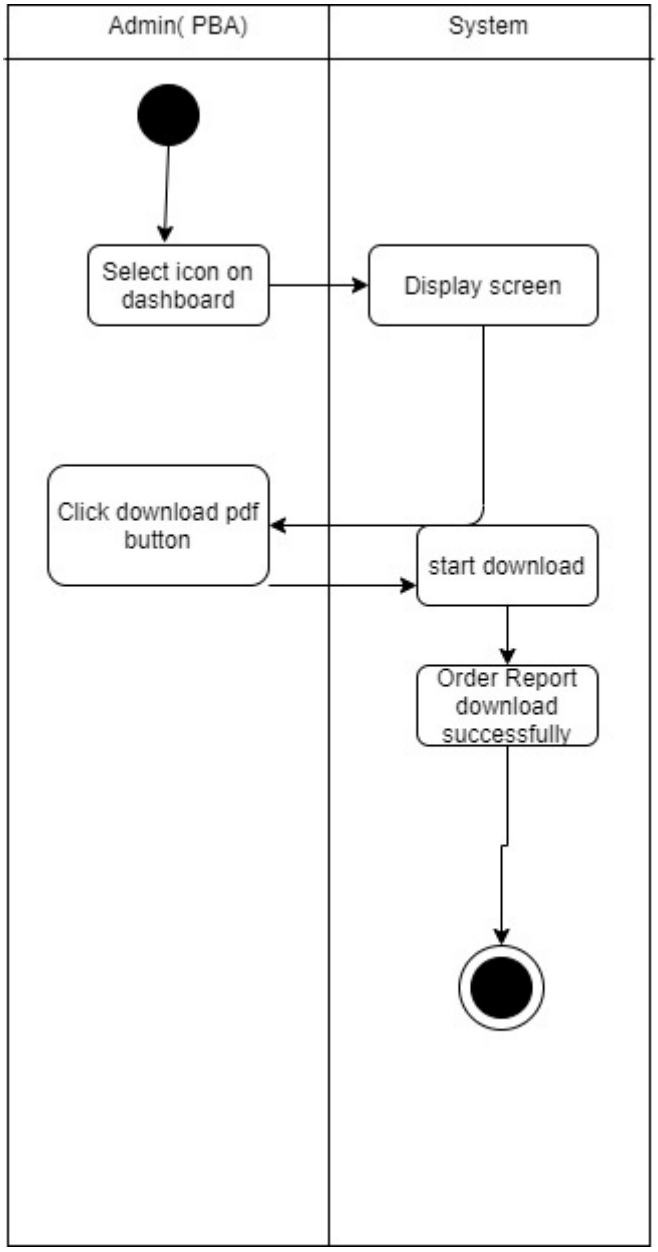


Generate Feedback Report Activity

Generate Feedback Report



Generate Order Report



Conclusion

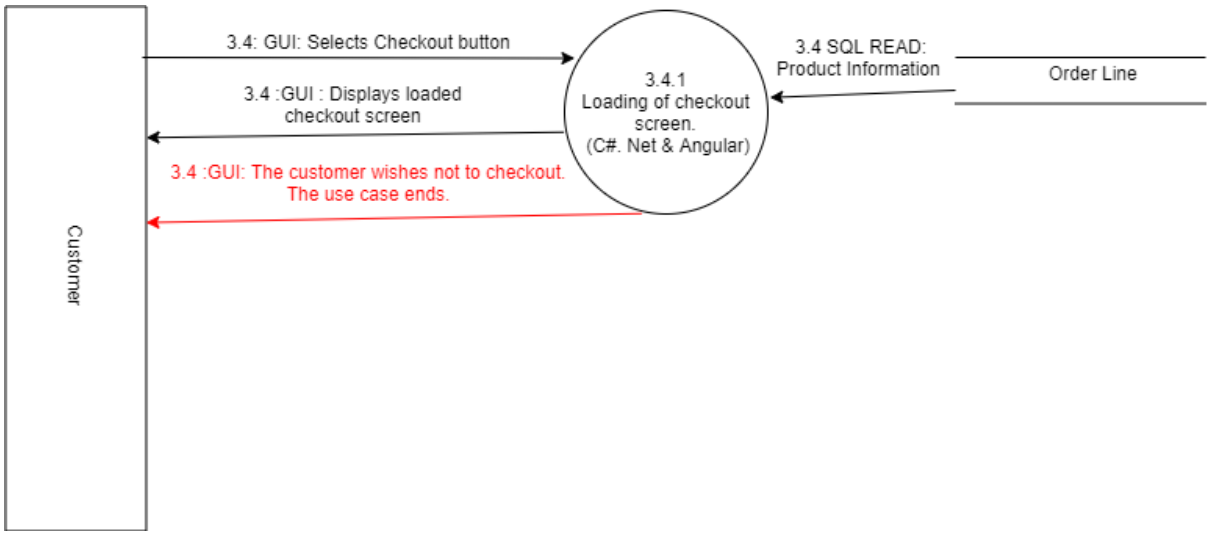
This concludes the activity diagram section.

6. Technical Primitive Diagram

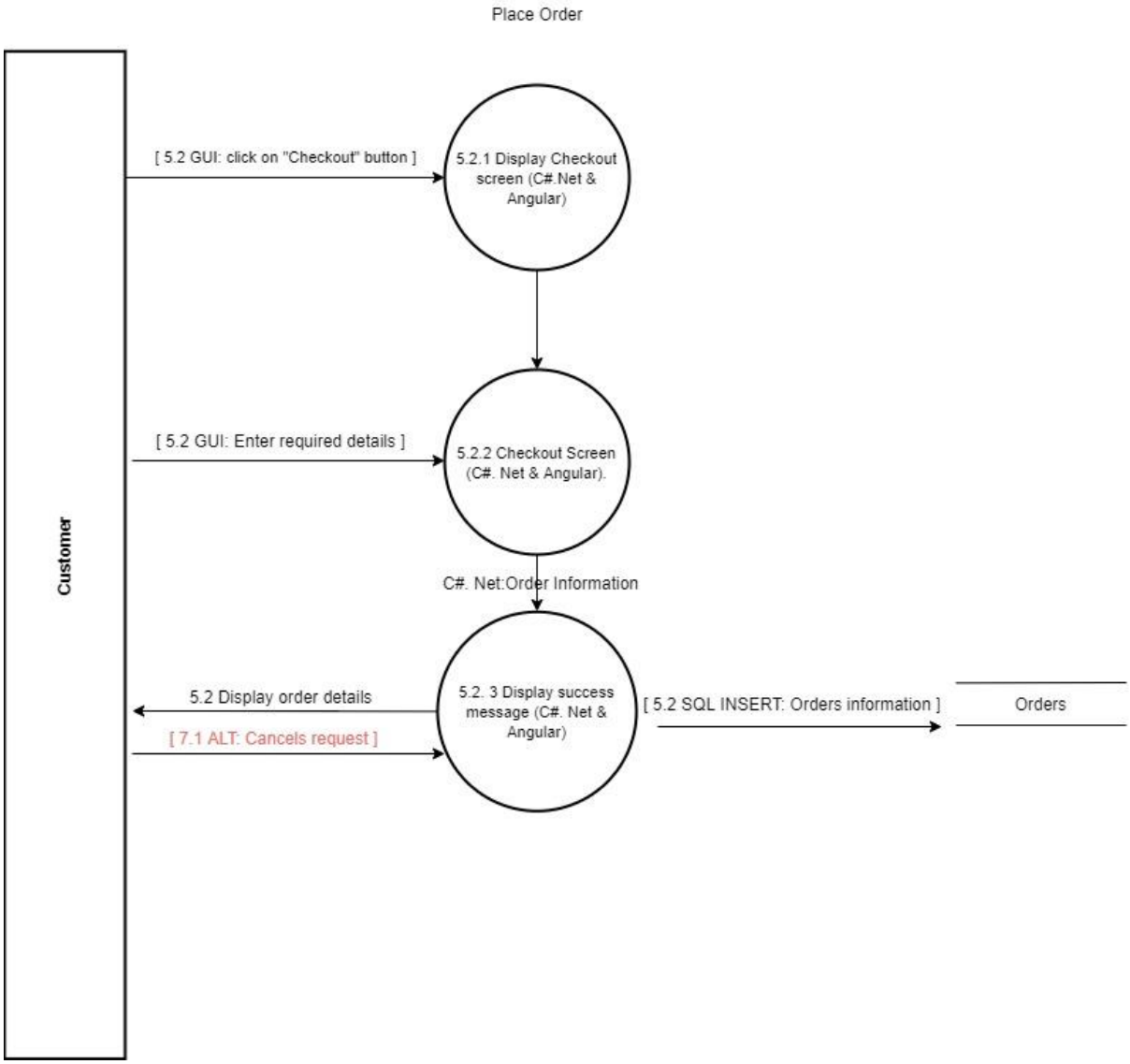
Introduction

This section aims to convey the technical primitive diagram which shows the full interaction of user to system.

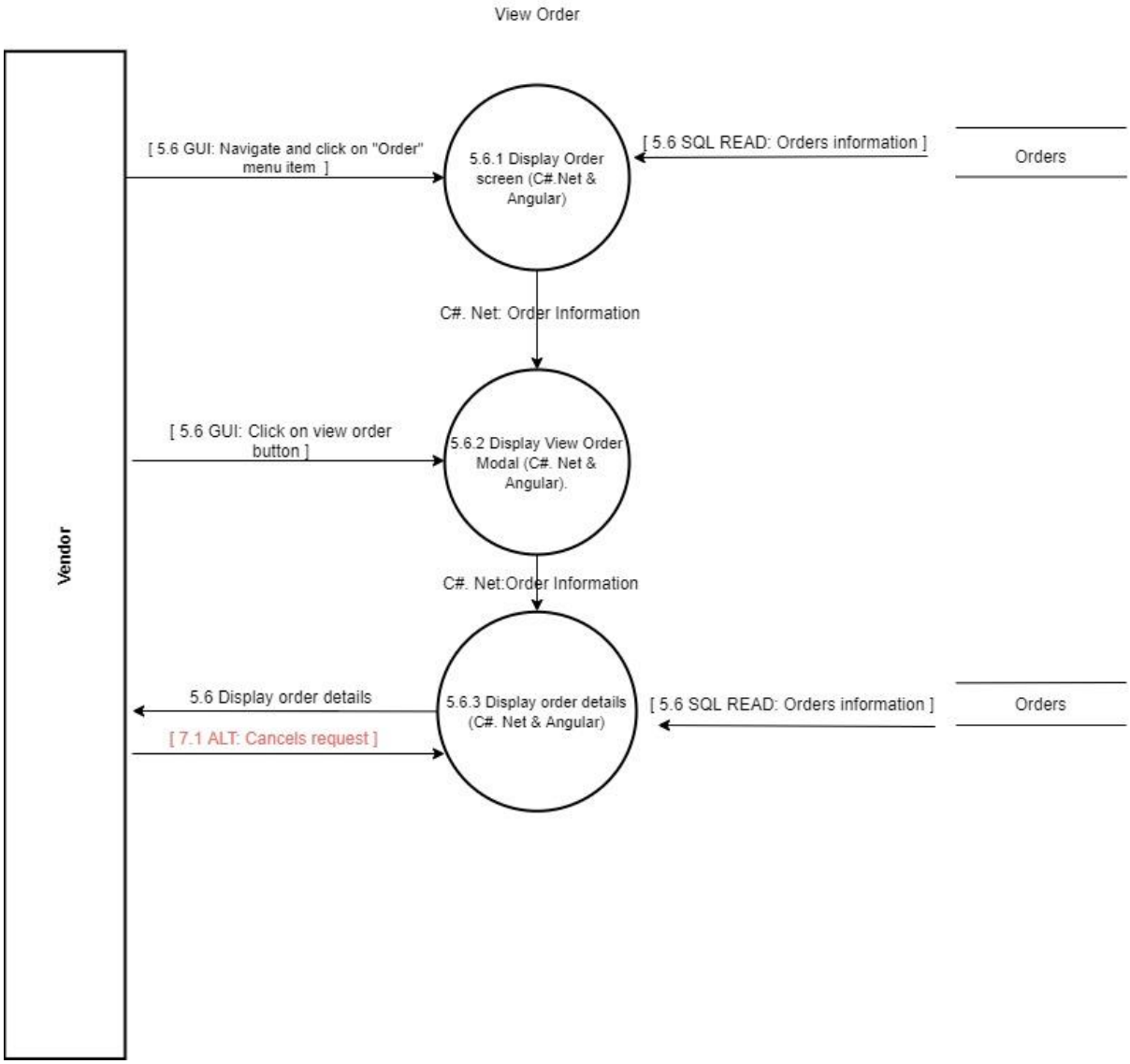
Checkout Technical Primitive



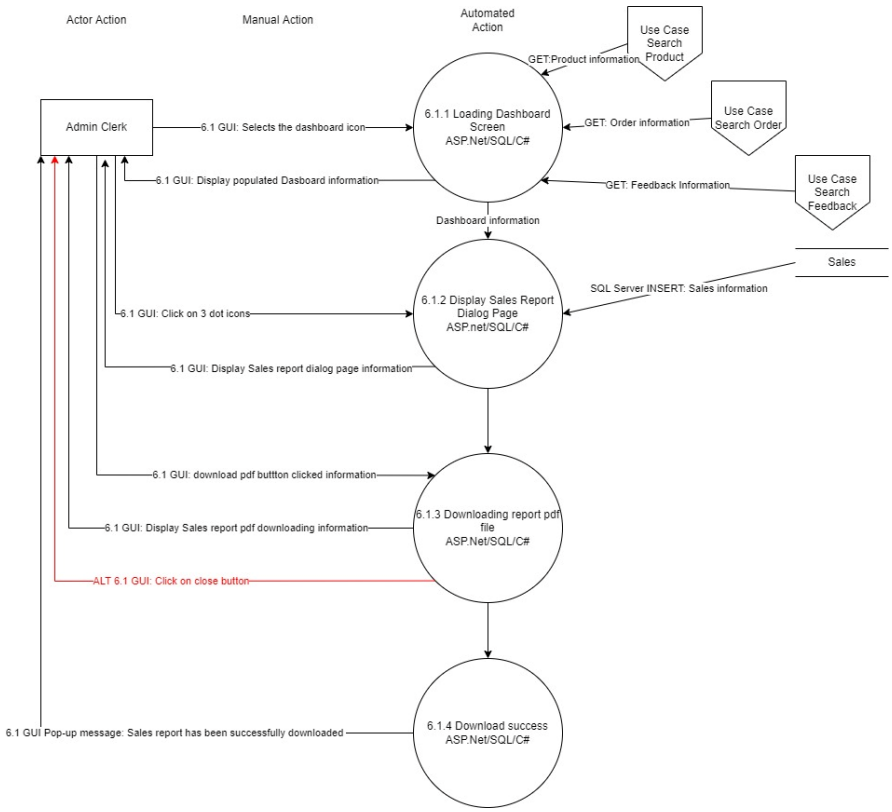
Place Order Technical Primitive



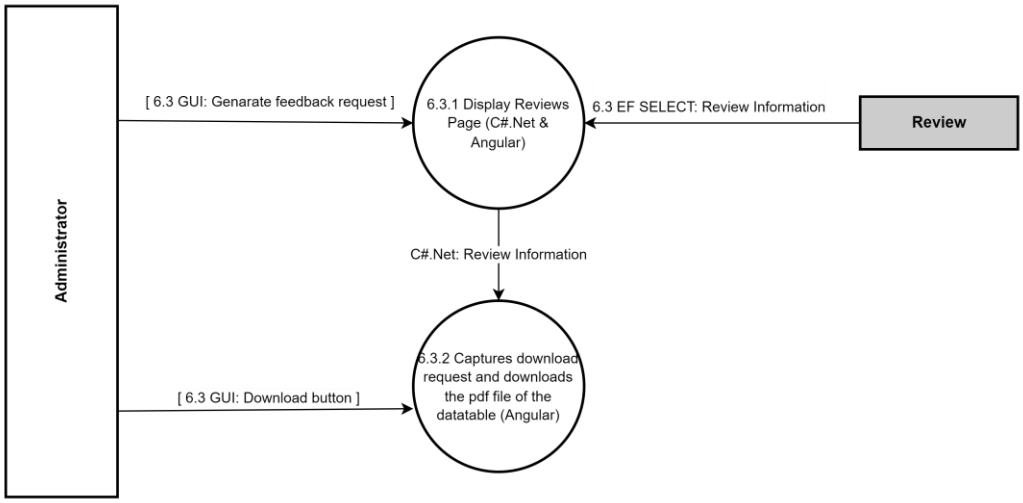
View Order Technical Primitive



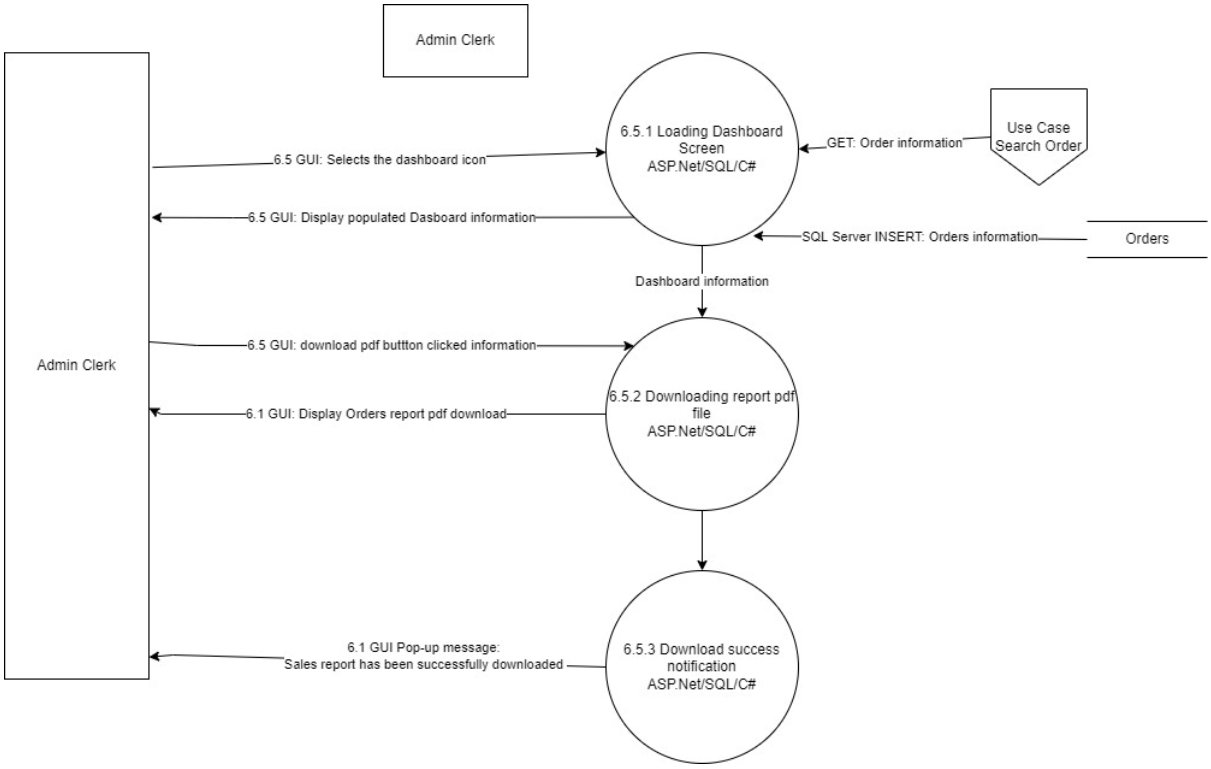
Generate Sales Report Technical Primitive



Generate Feedback Report Technical Primitive



Generate Order Report Technical Primitive



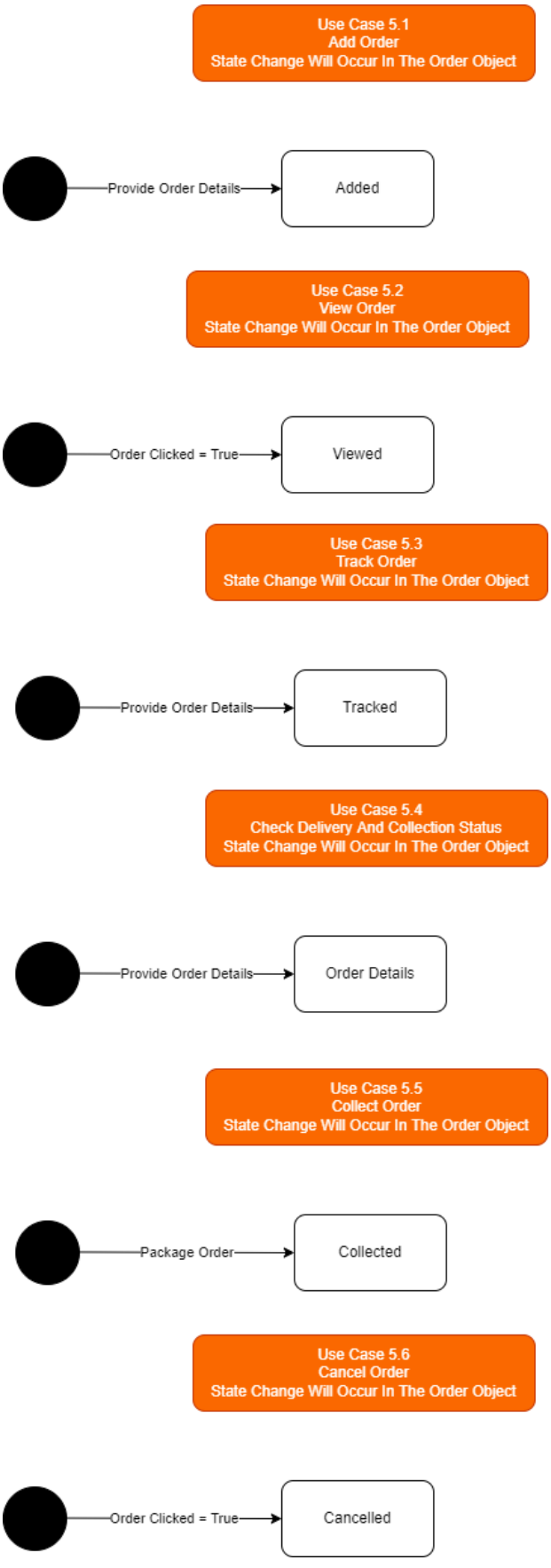
Conclusion

This concludes the technical primitive diagram section of this document.

7. State Diagram

Introduction

This section aims to convey the illustration of states of an object across different use cases.


Use Case 5.1
Add Order
State Change Will Occur In The Order Object
Provide Order Details
Added
Use Case 5.2
View Order
State Change Will Occur In The Order Object
Order Clicked = True
Viewed
Use Case 5.3
Track Order
State Change Will Occur In The Order Object
Provide Order Details
Tracked
Use Case 5.4
Check Delivery And Collection Status
State Change Will Occur In The Order Object
Provide Order Details
Order Details
Use Case 5.5
Collect Order
State Change Will Occur In The Order Object
Package Order
Collected
Use Case 5.6
Cancel Order
State Change Will Occur In The Order Object
Order Clicked = True
Cancelled

Conclusion

This concludes the state diagram section of this document.

8. Conclusion

This document concludes iteration 5 for our system AutoClear. SystemOps have proposed a multi-vendor online store to solve the problems that they business is currently facing and assist in easing their daily operations. The team sign-off will end off this document

9. Team sign-off

Sagofiwa Moyo – u20513918

Tshimangadzo Munzhelele – u18142274

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Sicelo Mgaga – u20593849

Joshua Mafolo – u20557583