



ByteXpress - Team 9

ByteXecom E-commerce System

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ITERATION - 9

System Documentation - This iteration has the collated system documentation of the final versions of all system design documentation of the ByteXpress E-commerce system.

The meticulously compiled documents consist of the updated requirements lists, complexity matrix, logical and technical narratives, technical primitive, UML activity, sequence and state diagrams as well as the test cases and screen designs for all the use cases.



Client Information - Jannes Janse van Rensburg is the co-owner of Natuurlik. He is currently working as a Business Area Manager for DSV - Global Transport and Logistics.



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1. Iteration Introduction

For this iteration the ByteXpress team have compiled a document that illustrates the collated system documentation of the final versions of all system design documentation for the ByteXpress E-commerce system.

2. Technical Primitive Level Diagrams

Introduction

This section of the iteration comprises of the technical primitive diagrams for the ByteXpress' chosen use cases. The primitive diagrams illustrate the various information flow throughout our proposed system

2.1. User Management Subsystem

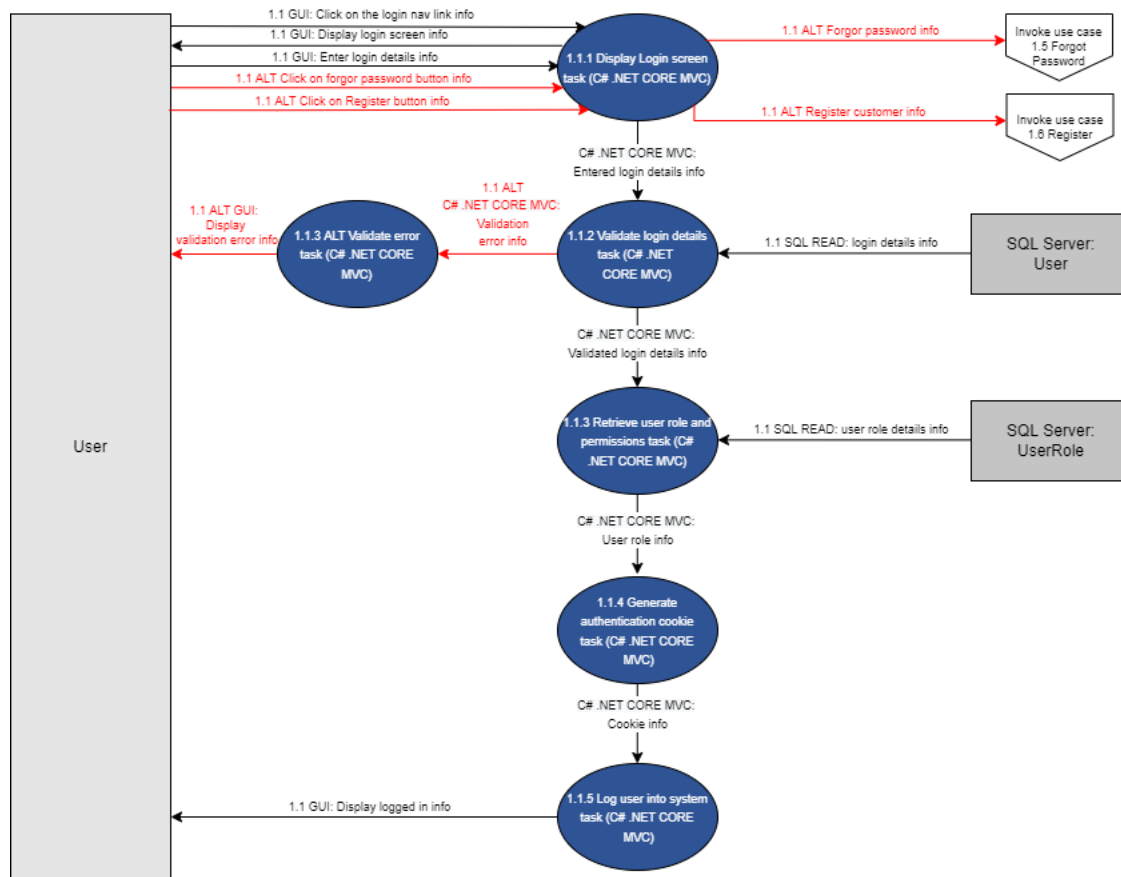


Figure 1- 1.1 Login

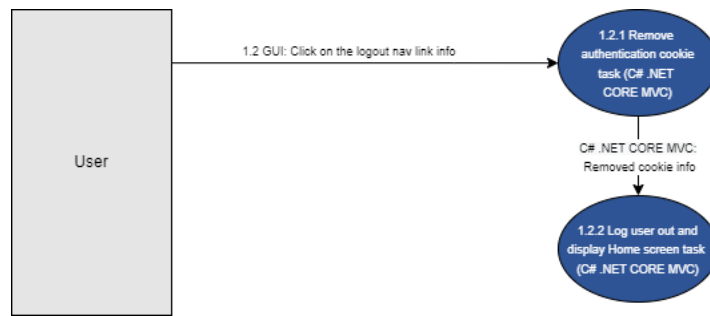


Figure 2- 1.2 Logout

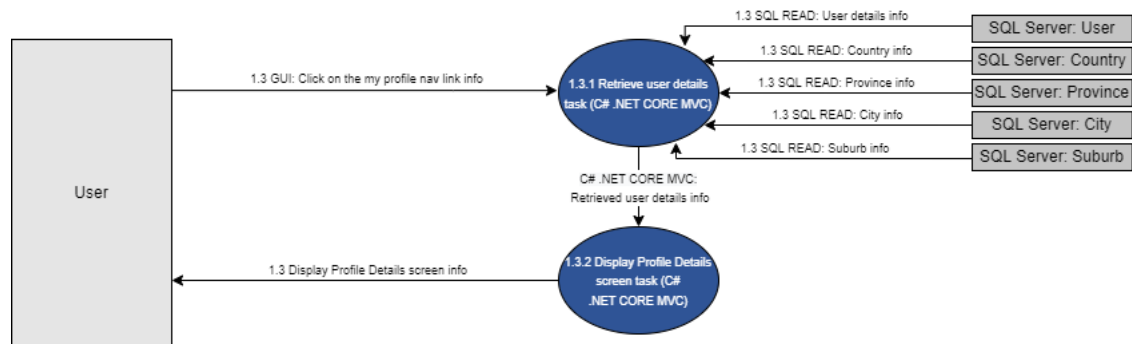


Figure 3- 1 .3 View Profile Details

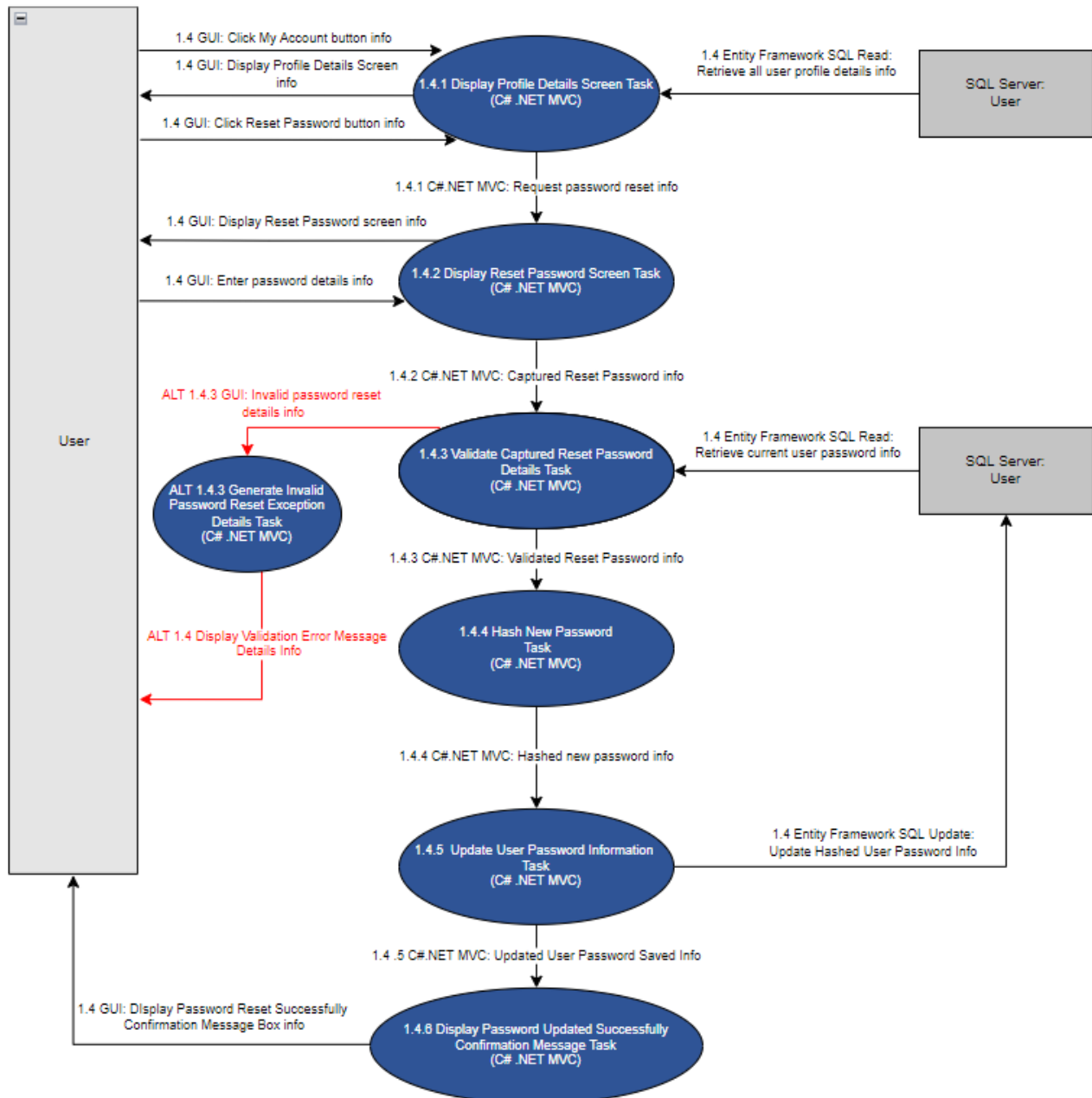


Figure 4- 1.4 Reset Password

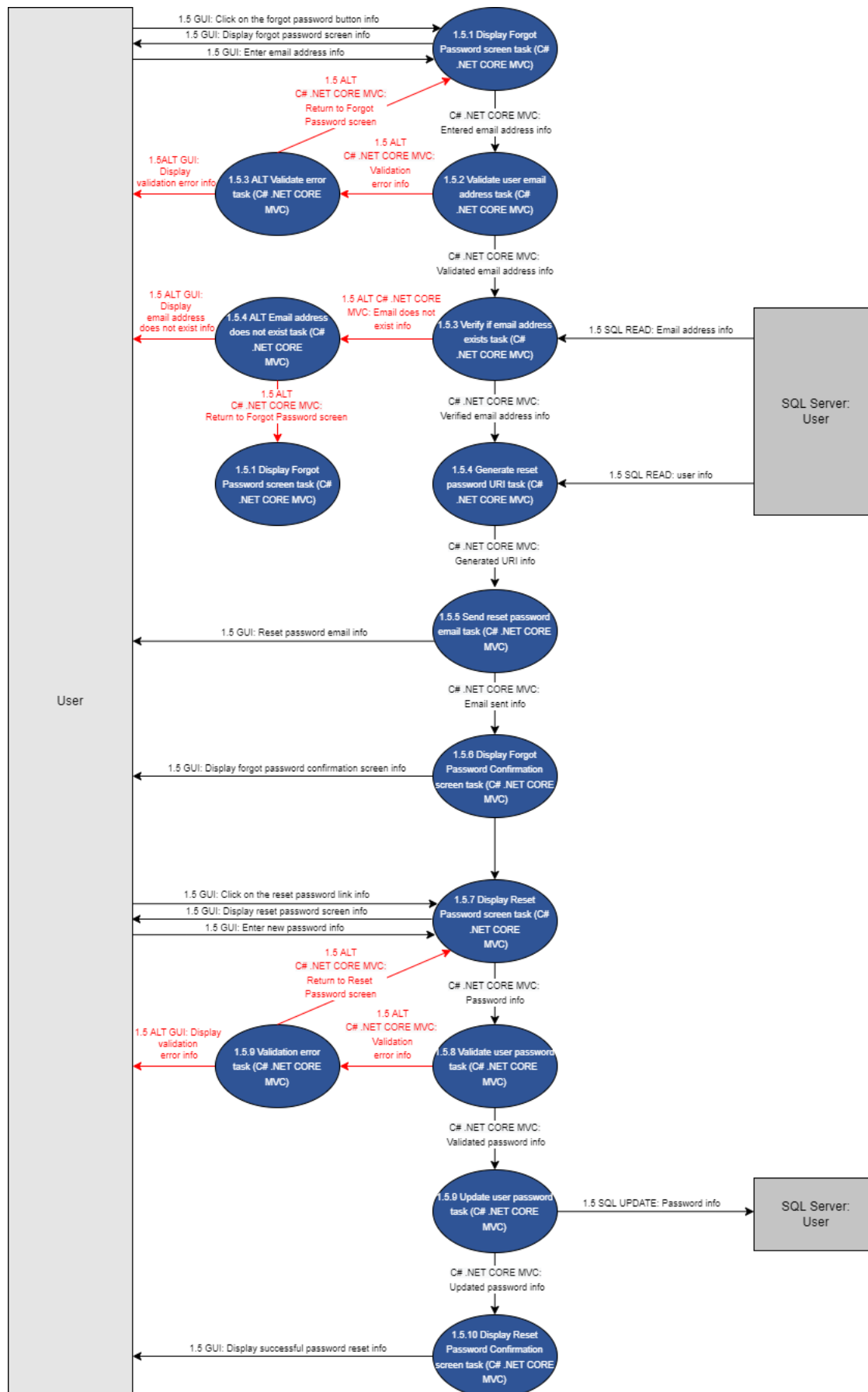


Figure 5- 1.5 Forget Password

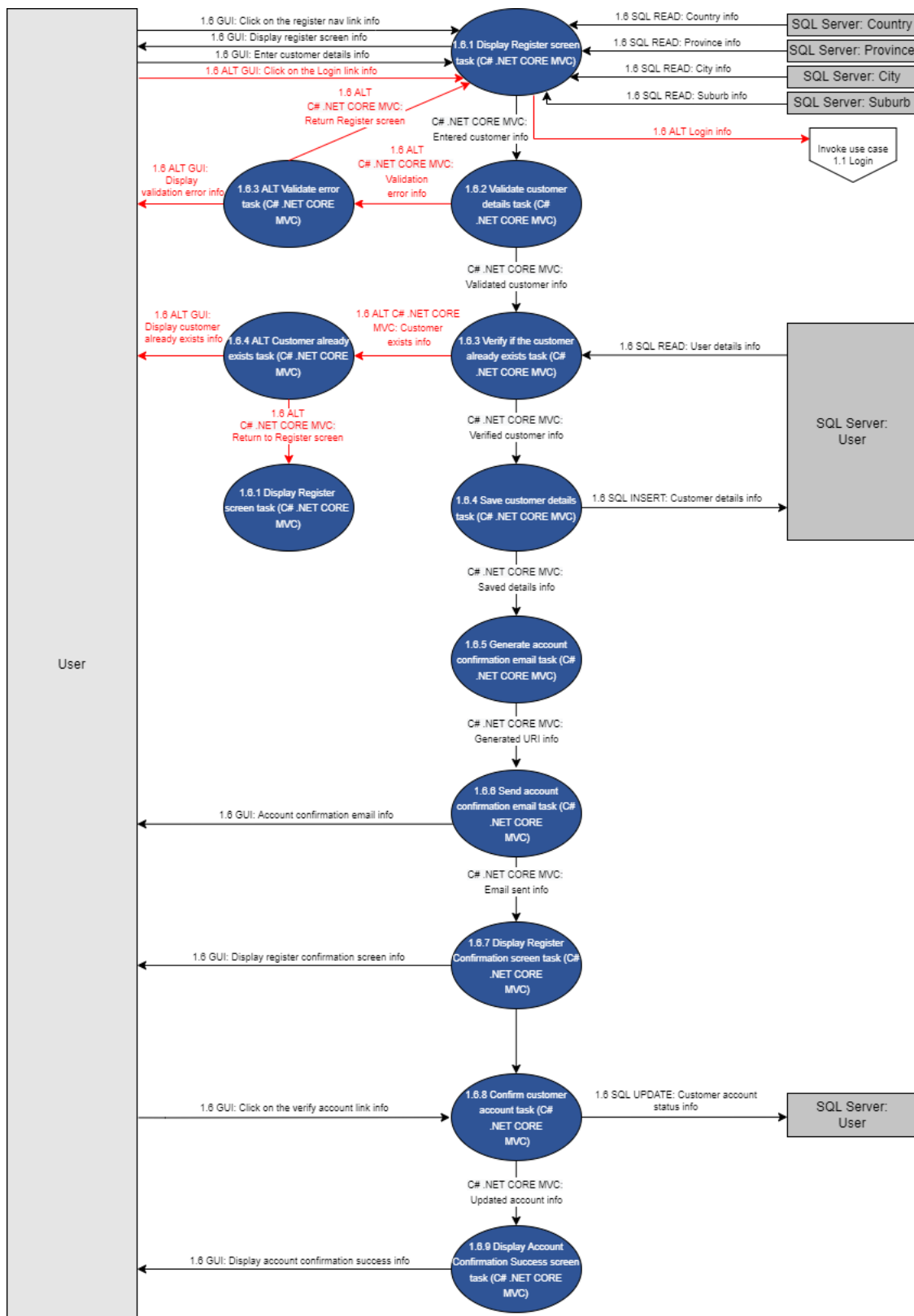


Figure 6- 1.6 Register Customer

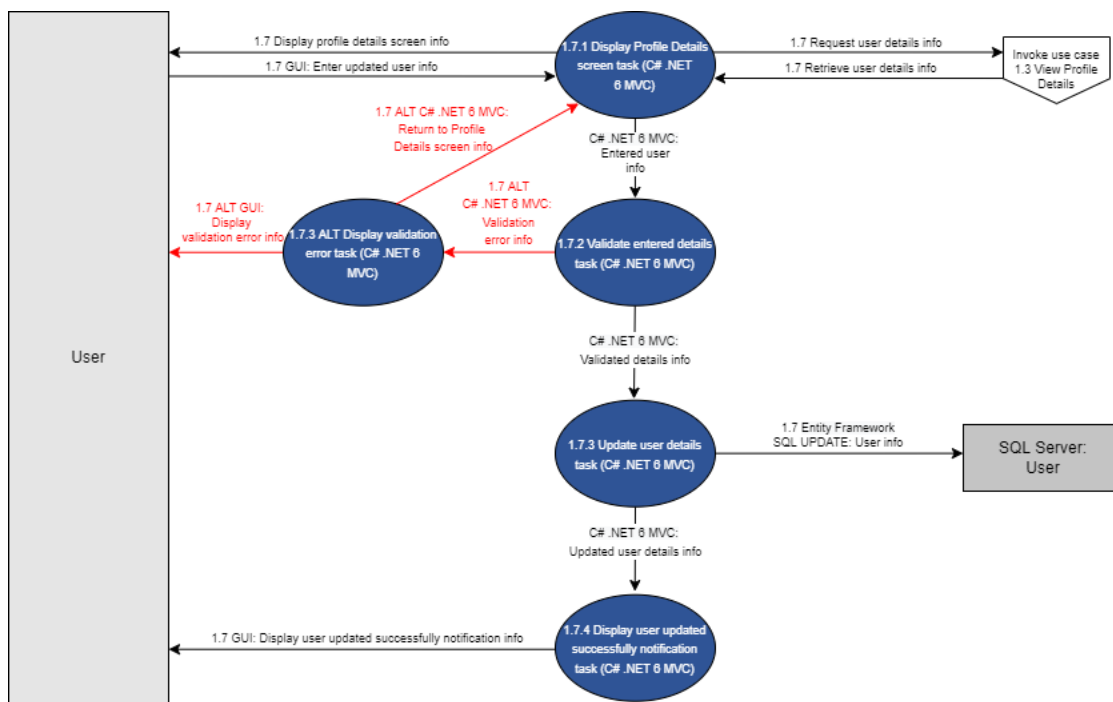


Figure 7- 1.7 Update Customer Details

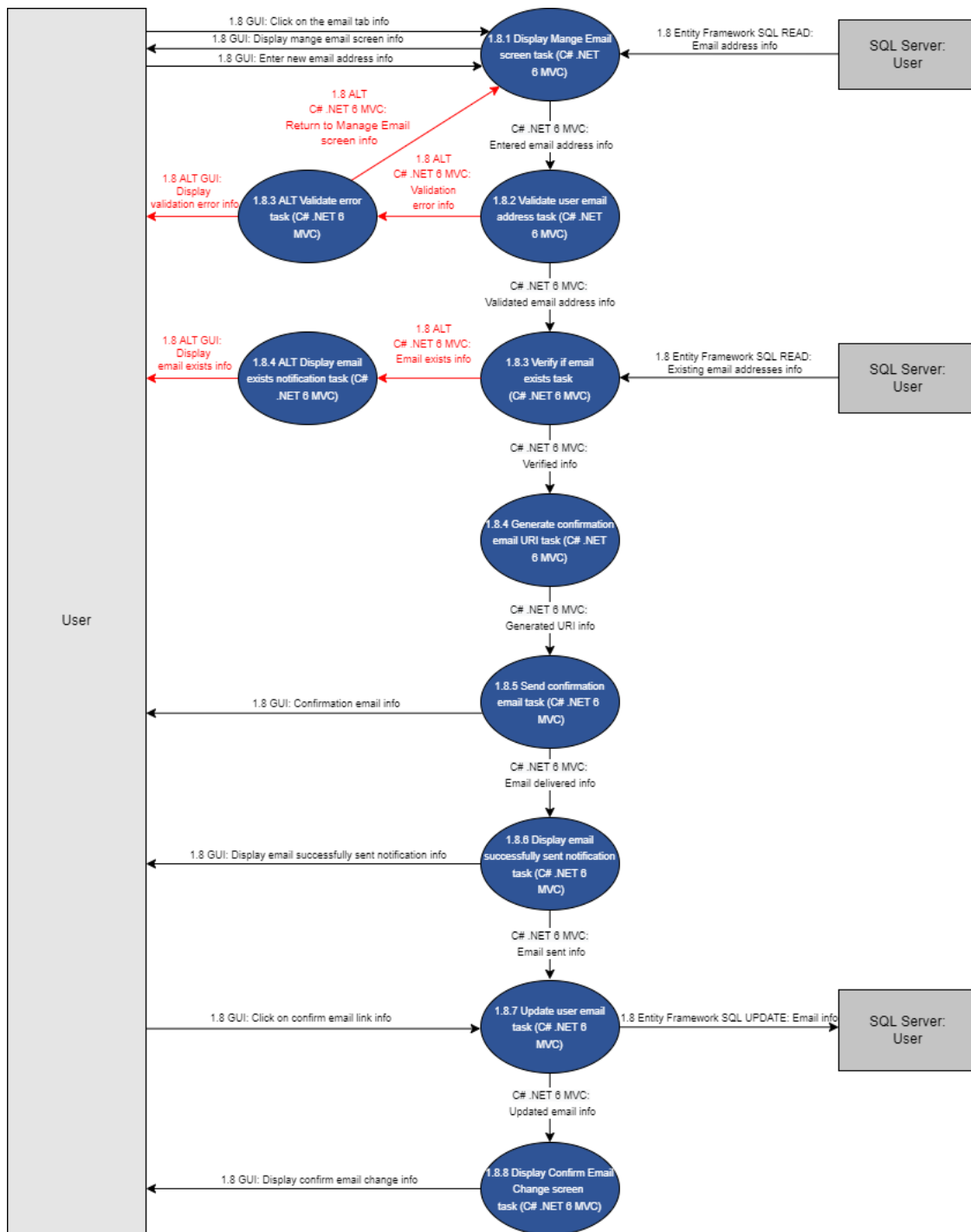


Figure 8- 1.8 update Email Address

2.2. Administrative Subsystem

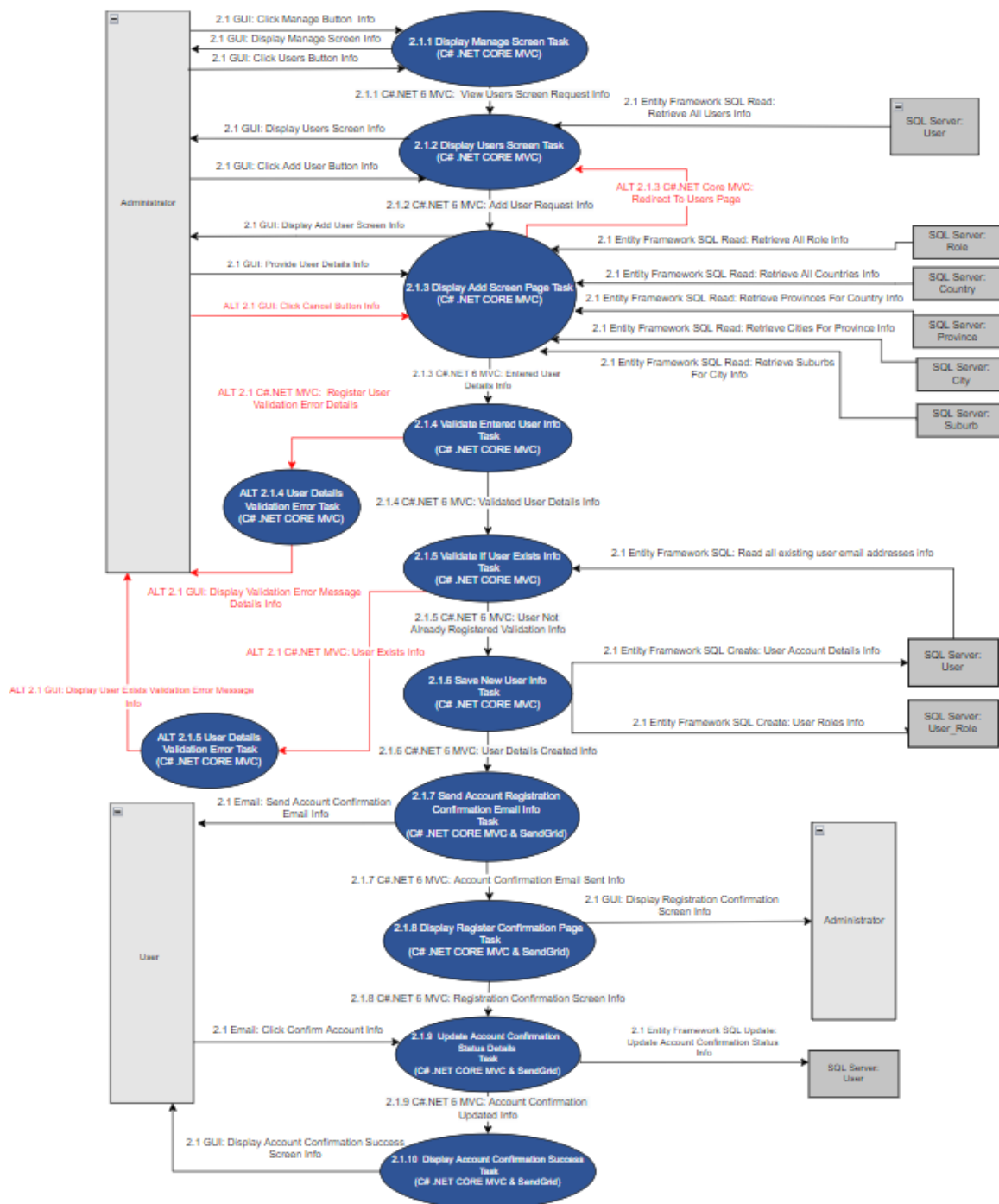


Figure 9 - 2.1 Register User

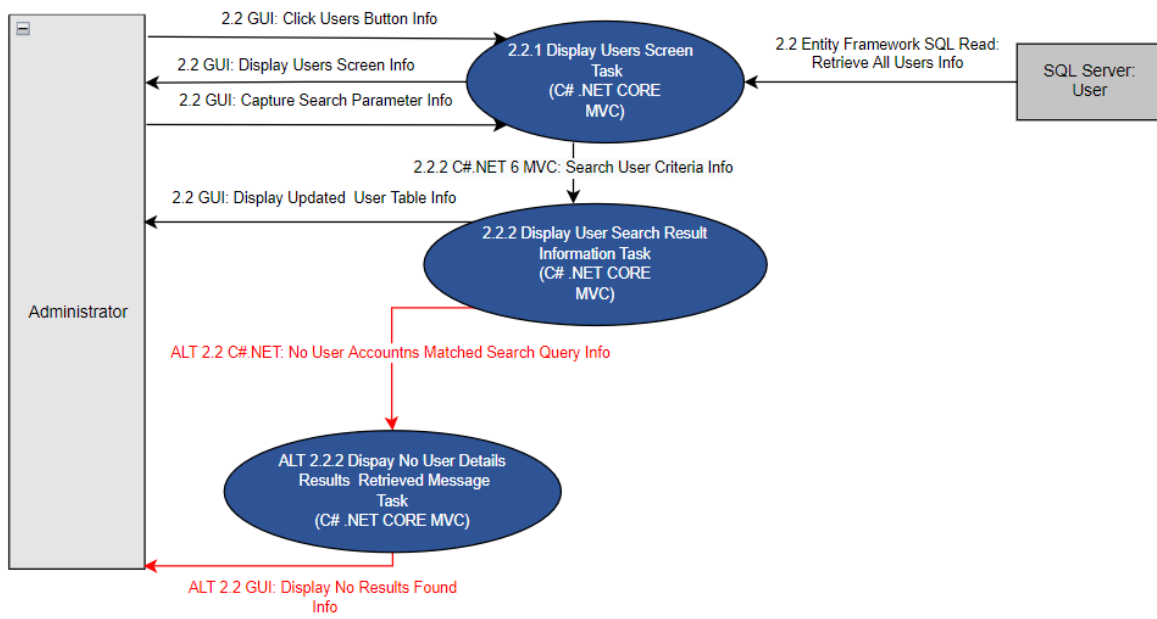


Figure 10 - 2.2 Search User

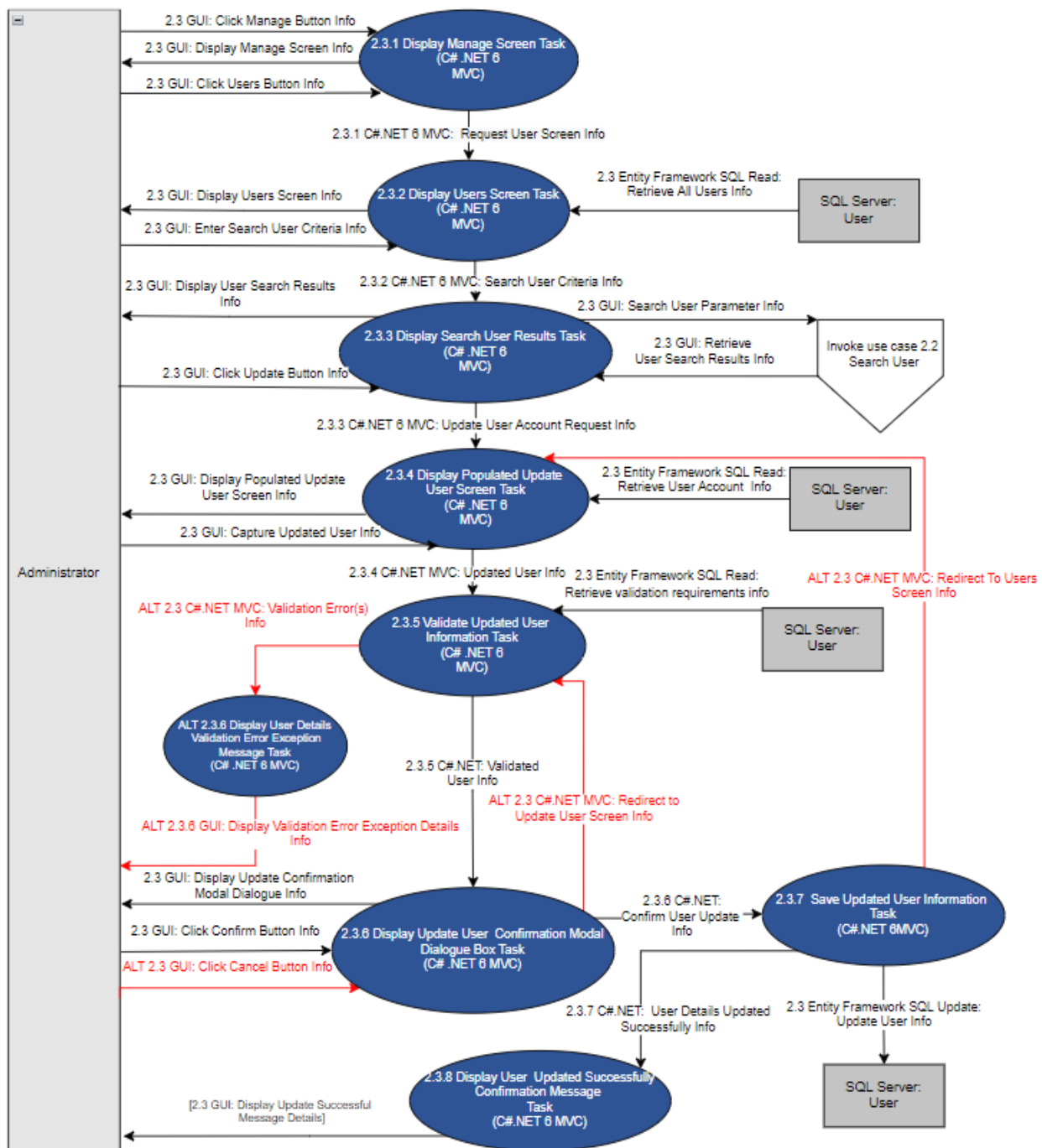


Figure 11 - 2.3 Update User

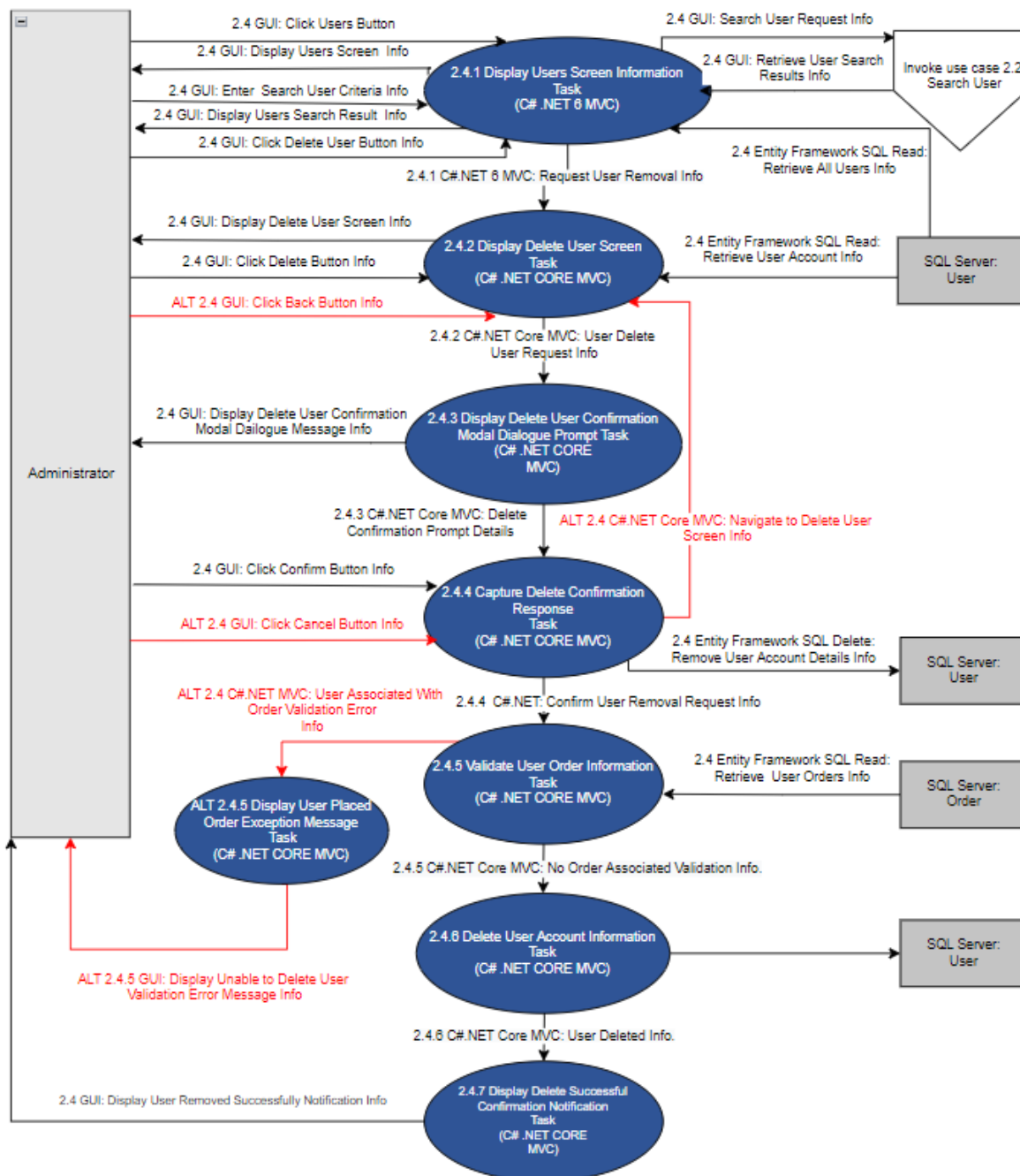


Figure 12- 2.4 Delete User

2.3. Reseller Subsystem

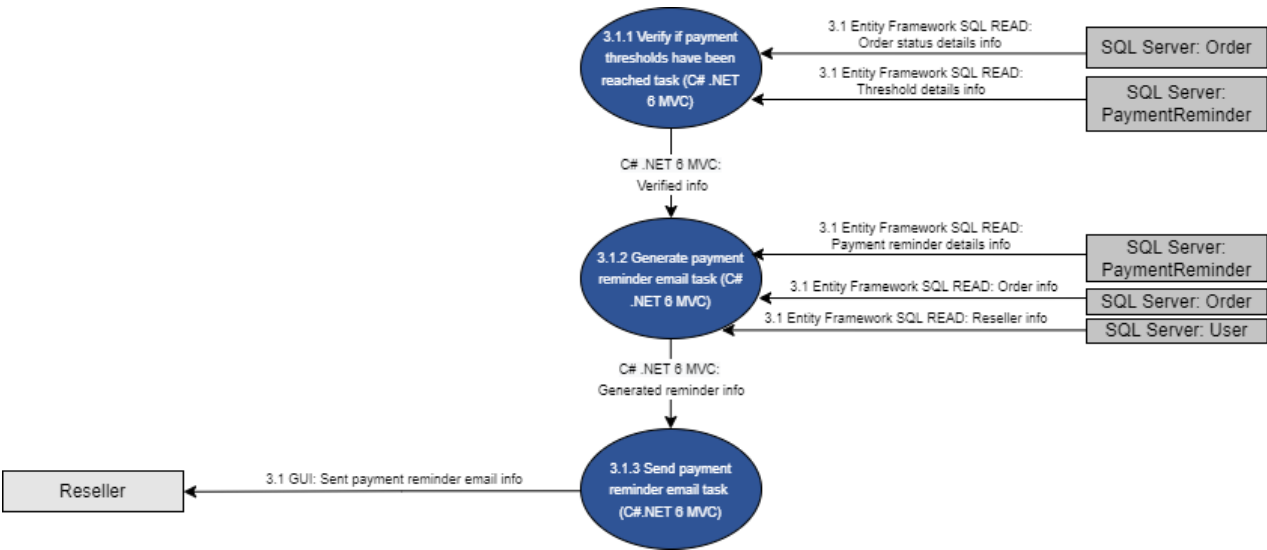


Figure 13- 3.1 Send Payment Reminder

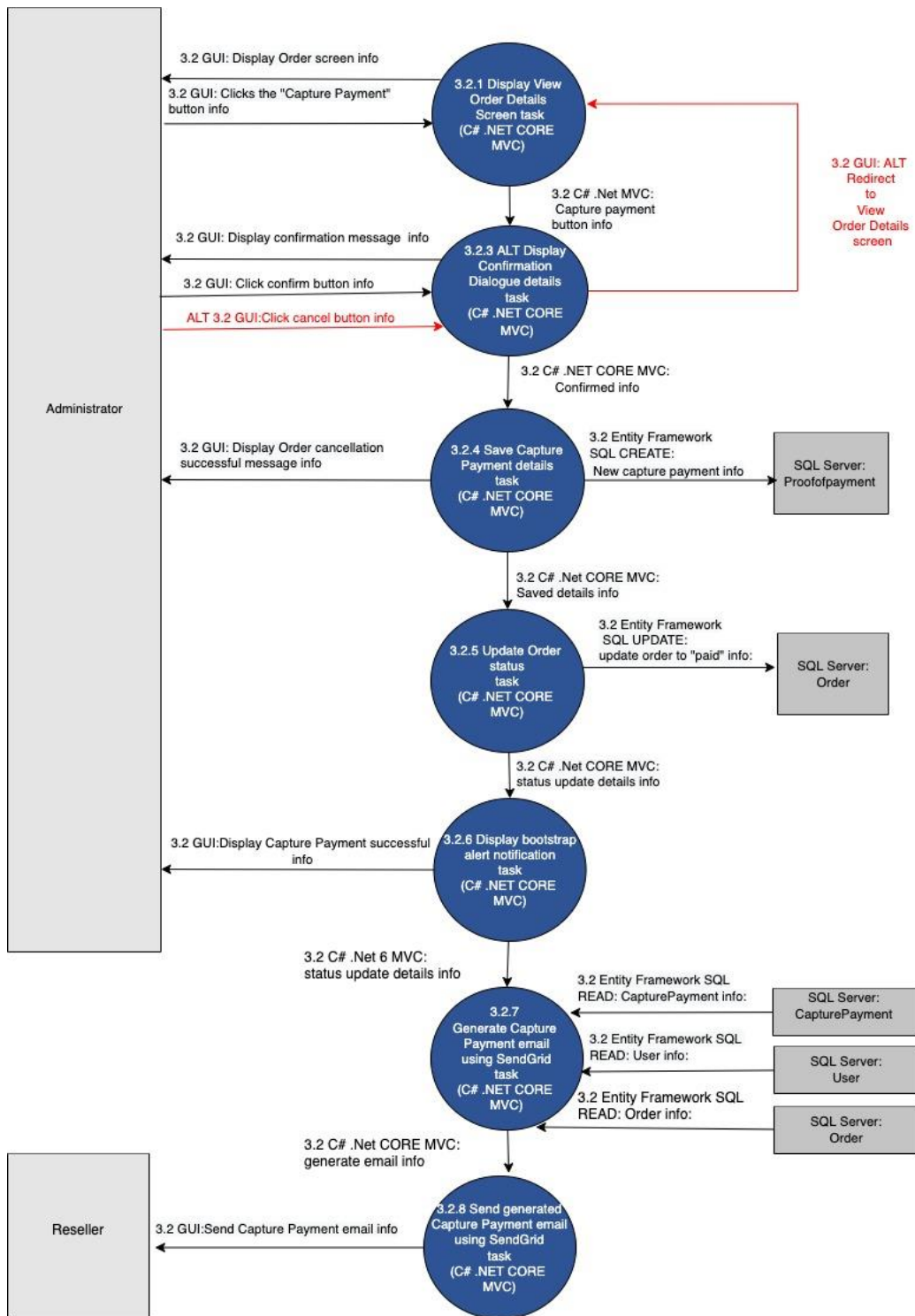


Figure 14 - 3.2 Capture Payment

2.4. Product Subsystem

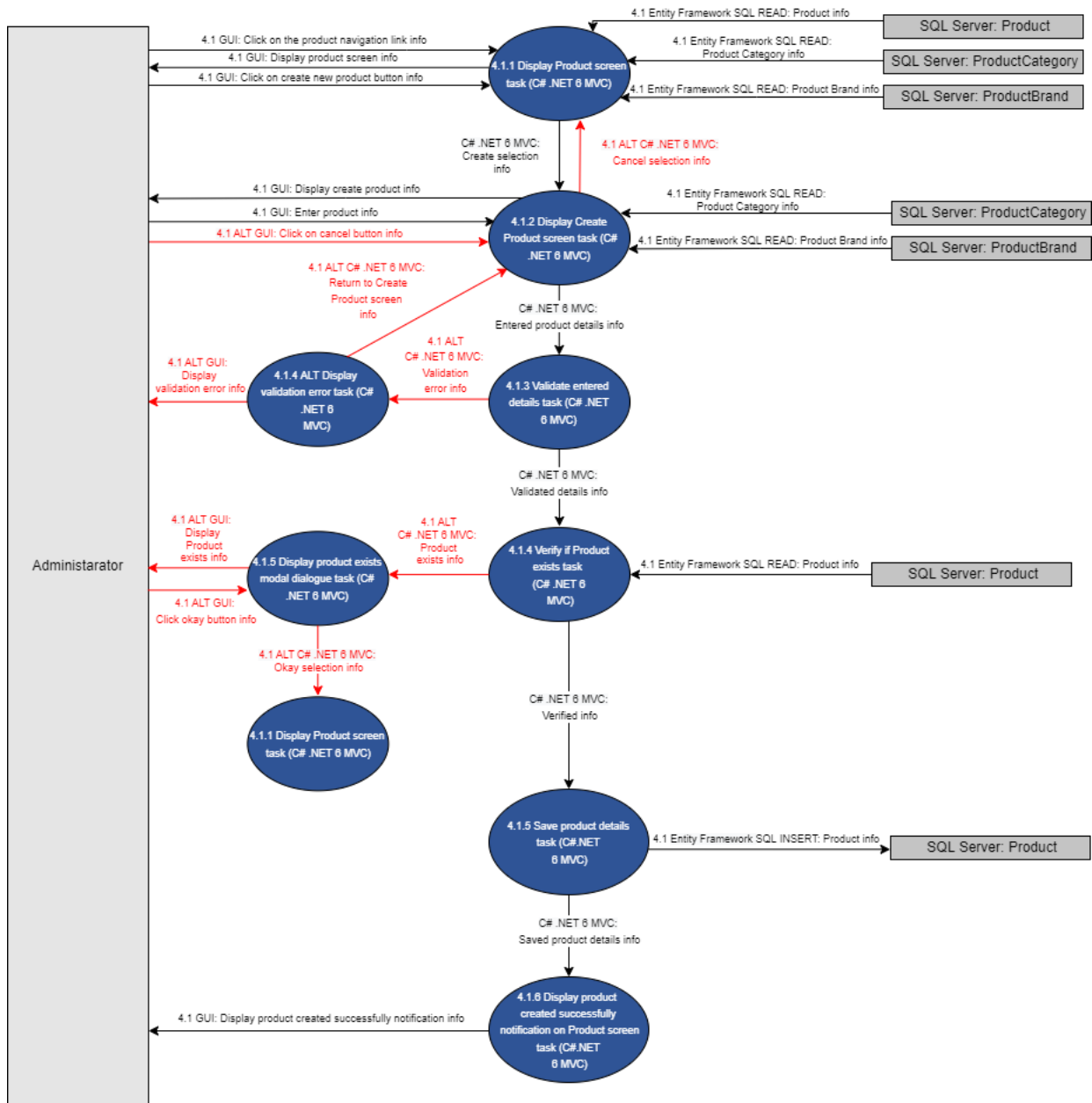


Figure 15- 4.1 Add Product

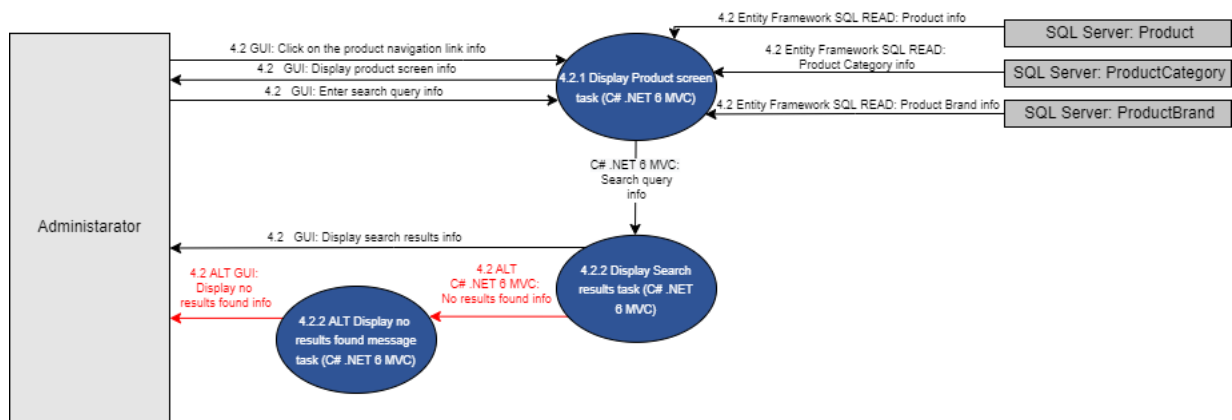


Figure 16- 4.2 Search Product

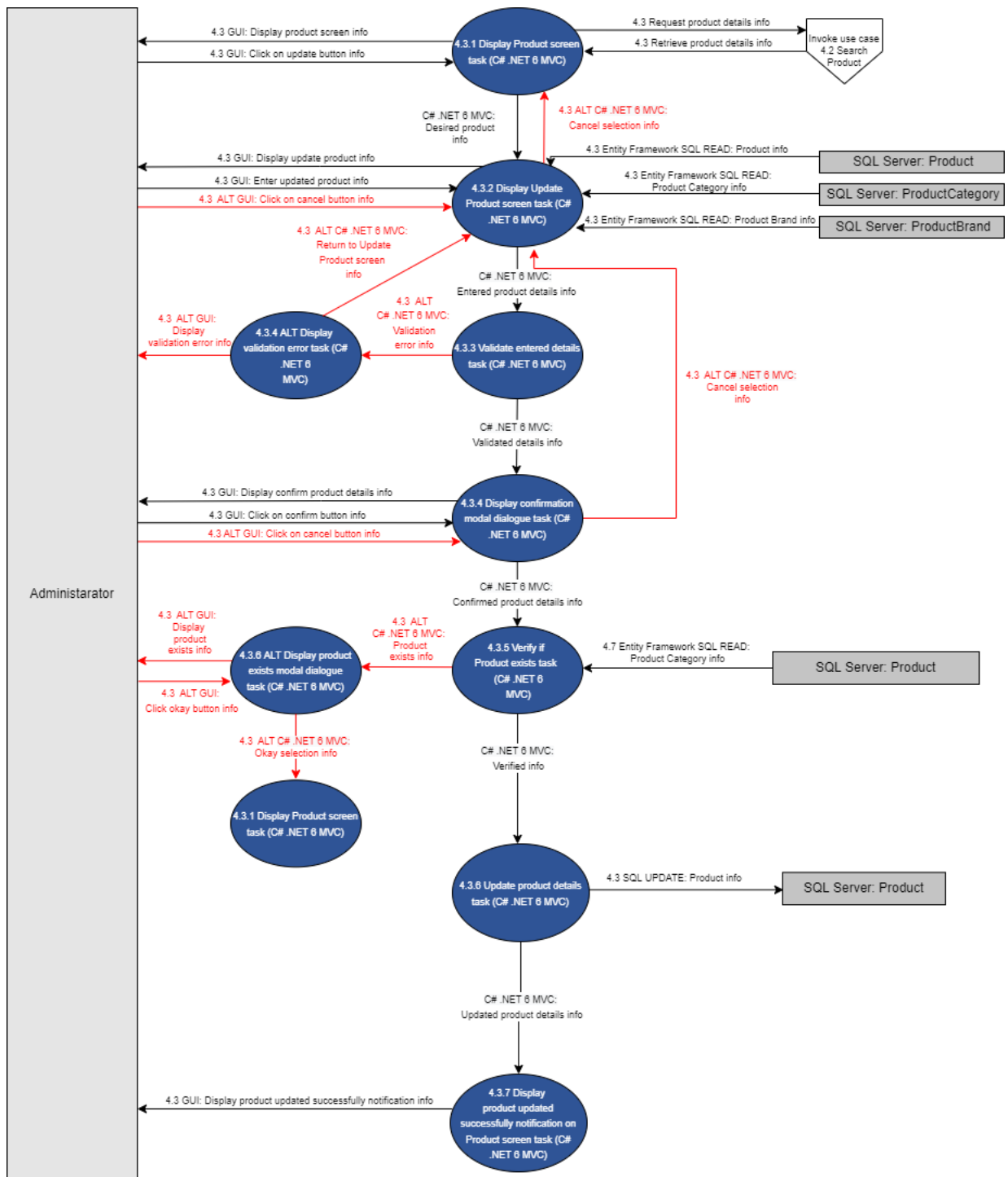


Figure 17- 4.3Update Product Details

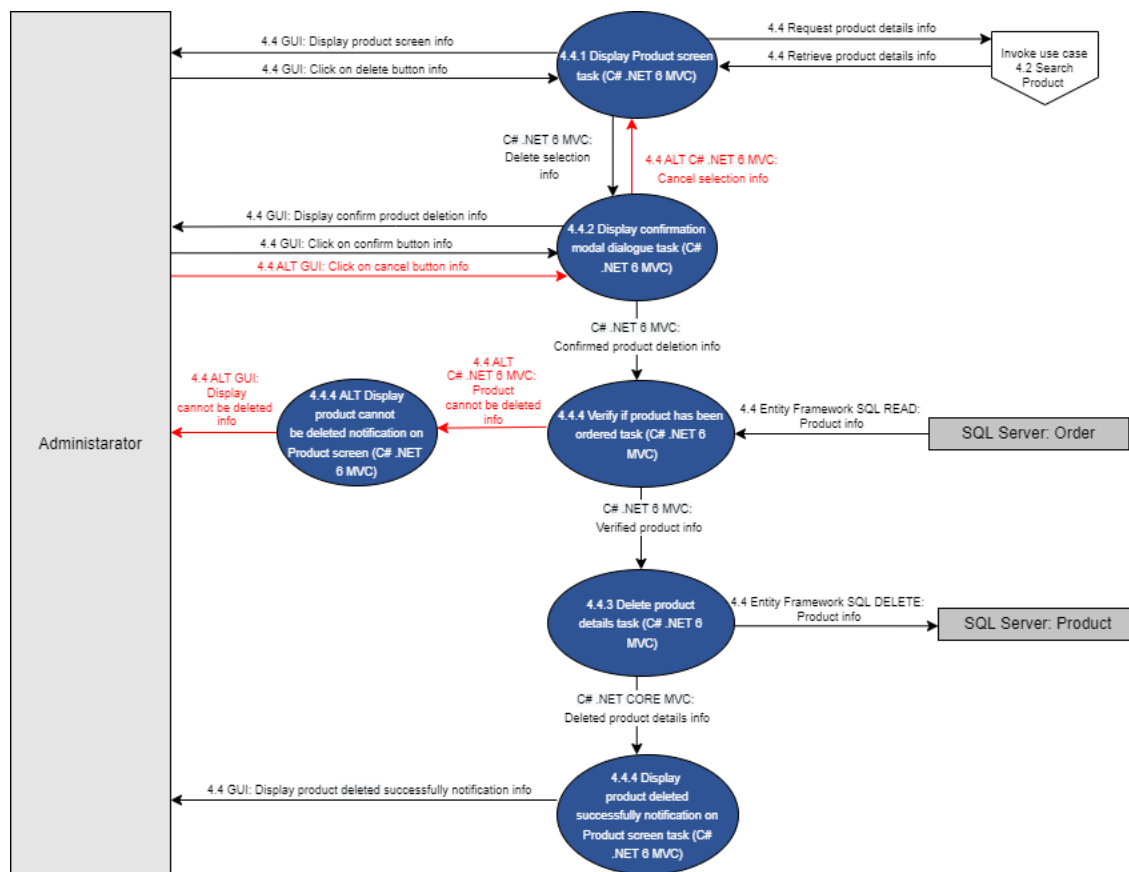


Figure 18- 4.4 Delete Product

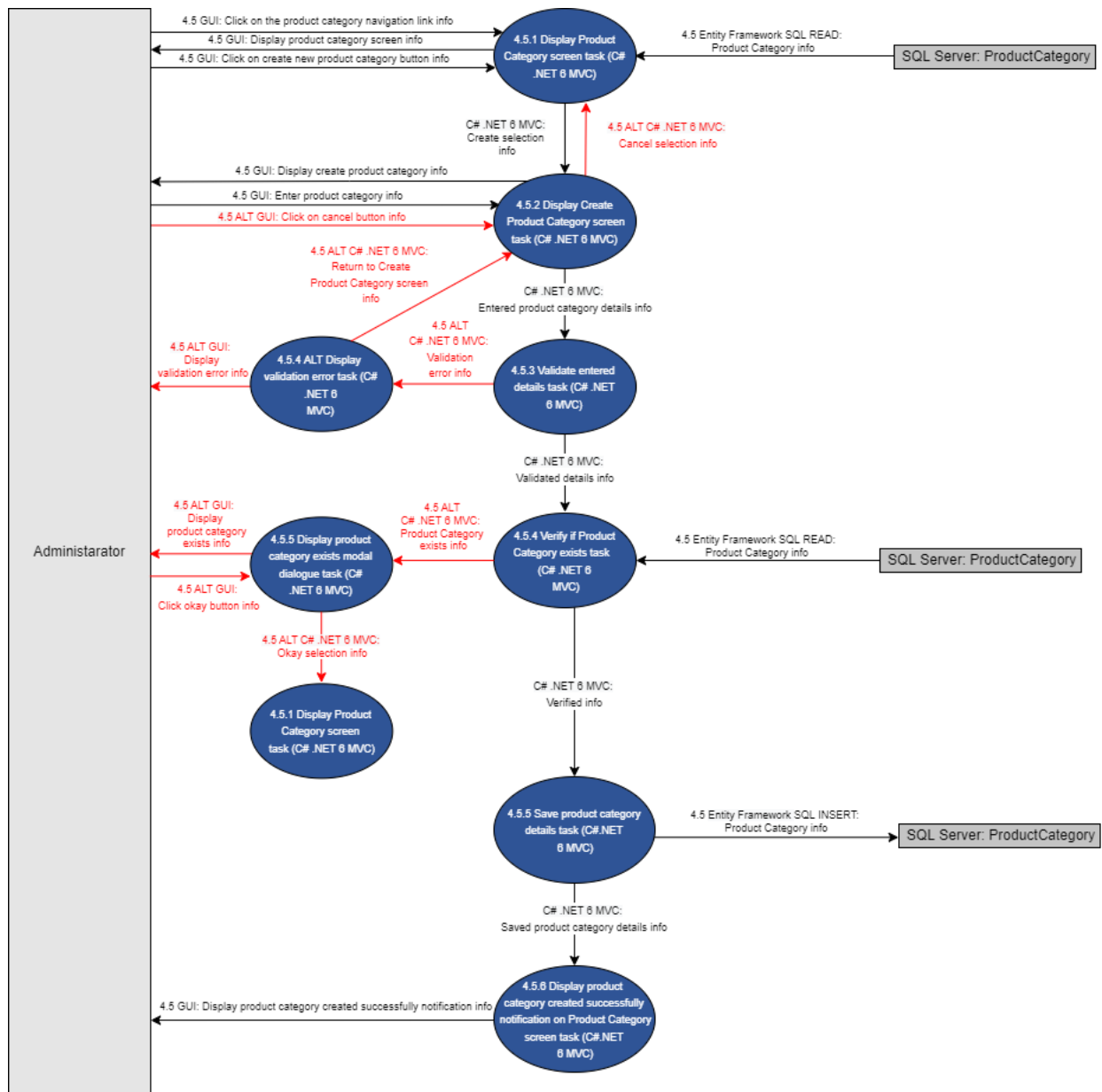


Figure 19- 4.5 Add Product Category

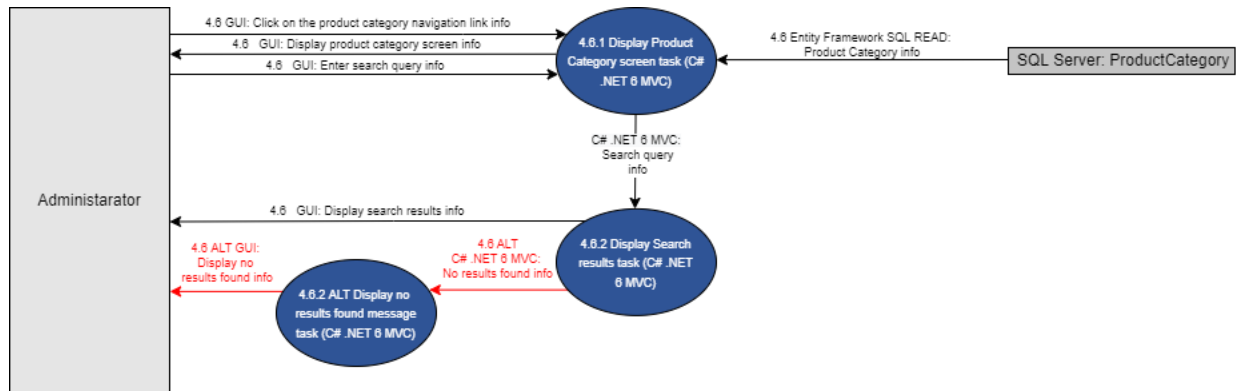


Figure 20- 4.6 Search Product category

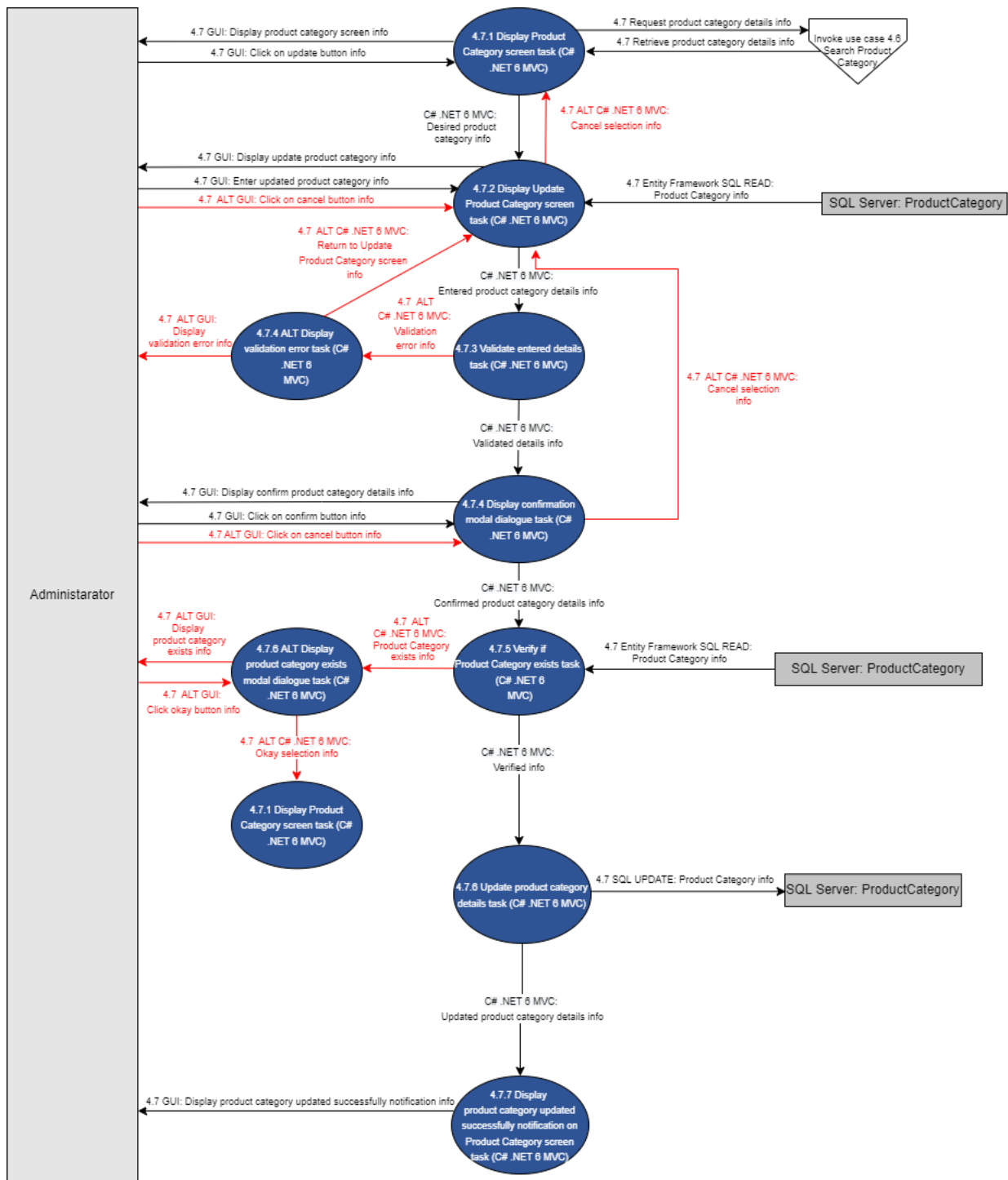


Figure 21- 4.7 Update Product Category

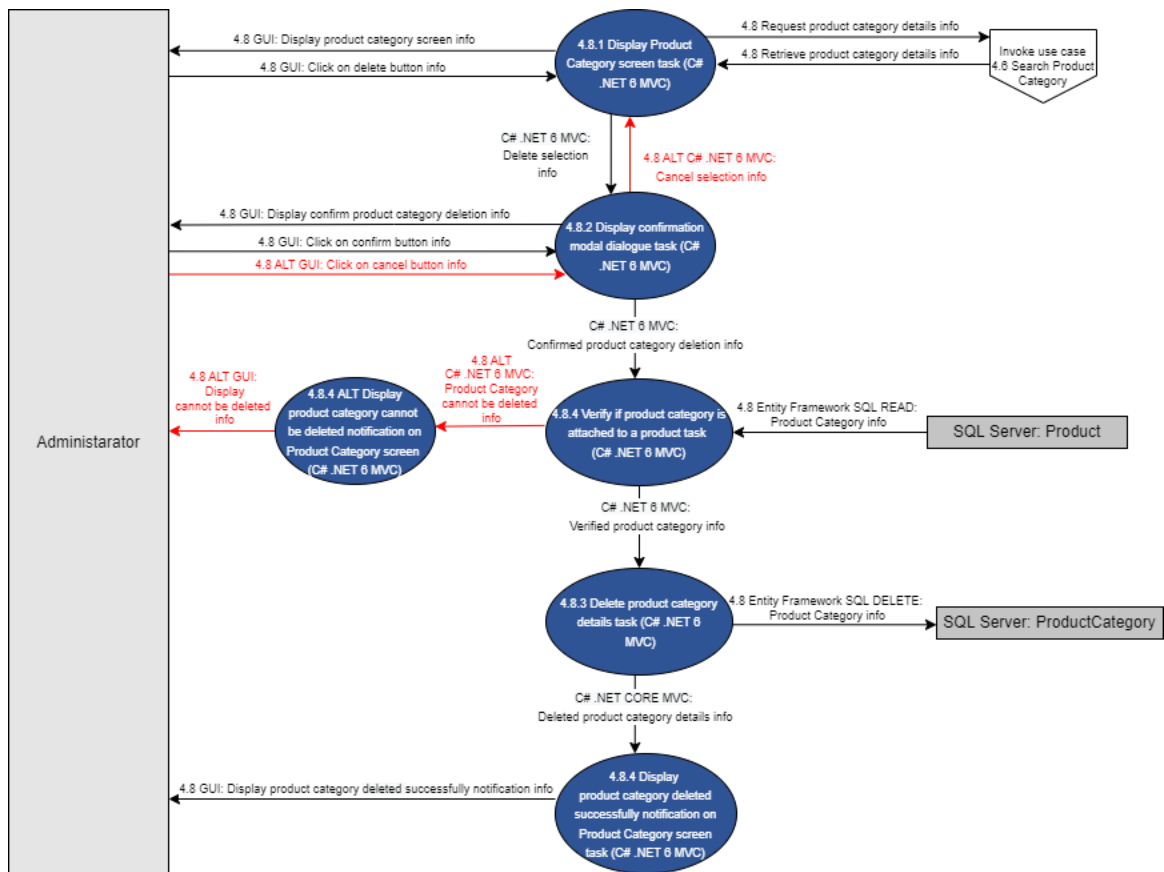


Figure 22- 4.8 Delete Product

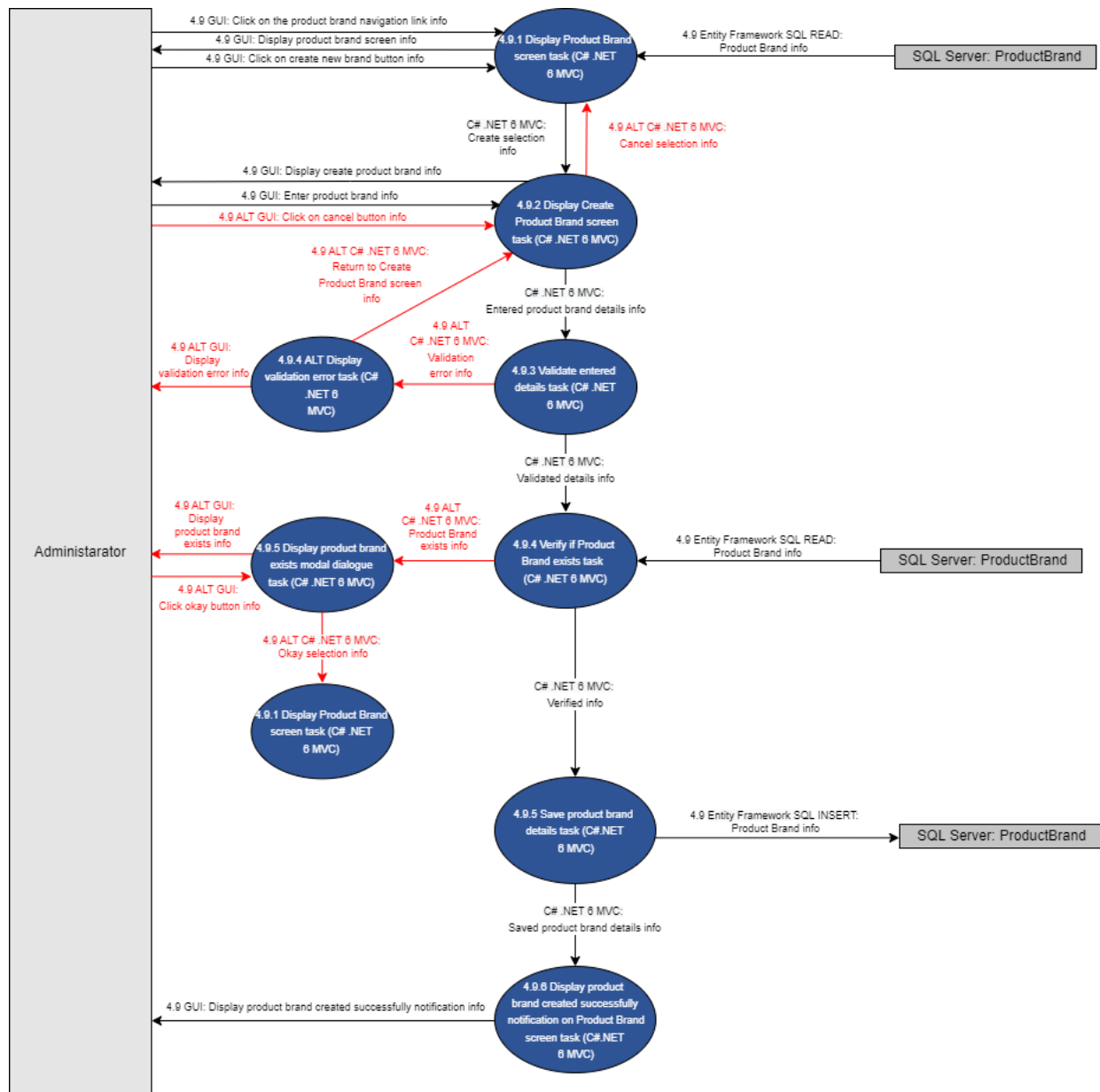


Figure 23- 4.9 Add Product brand

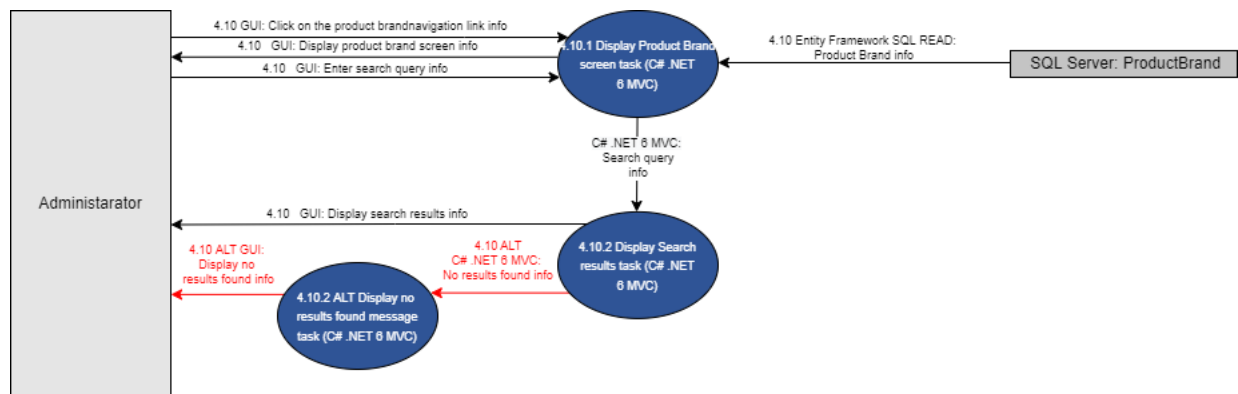


Figure 24- 4.10 Search Product brand

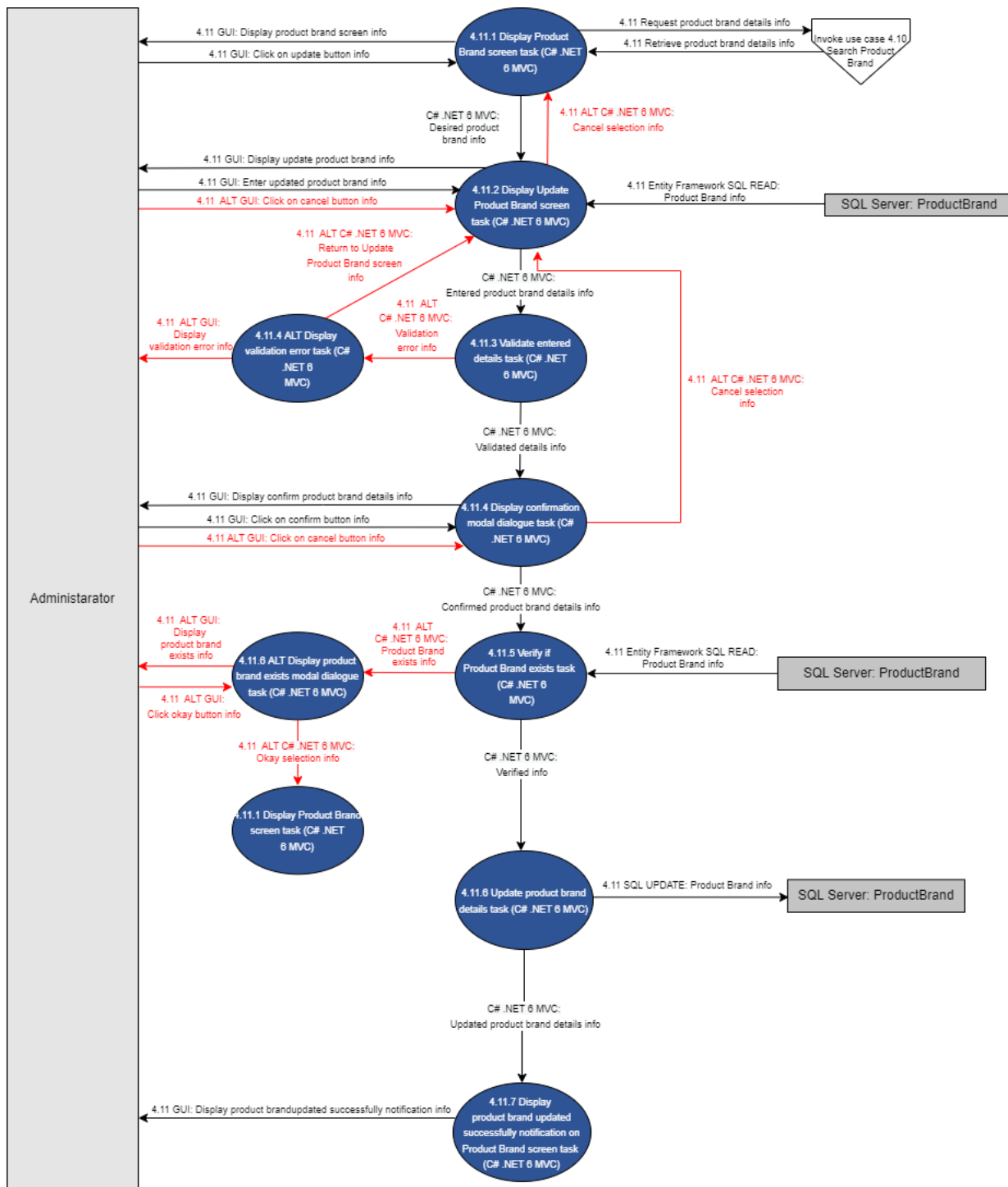


Figure 25- 4.11 Update Product brand

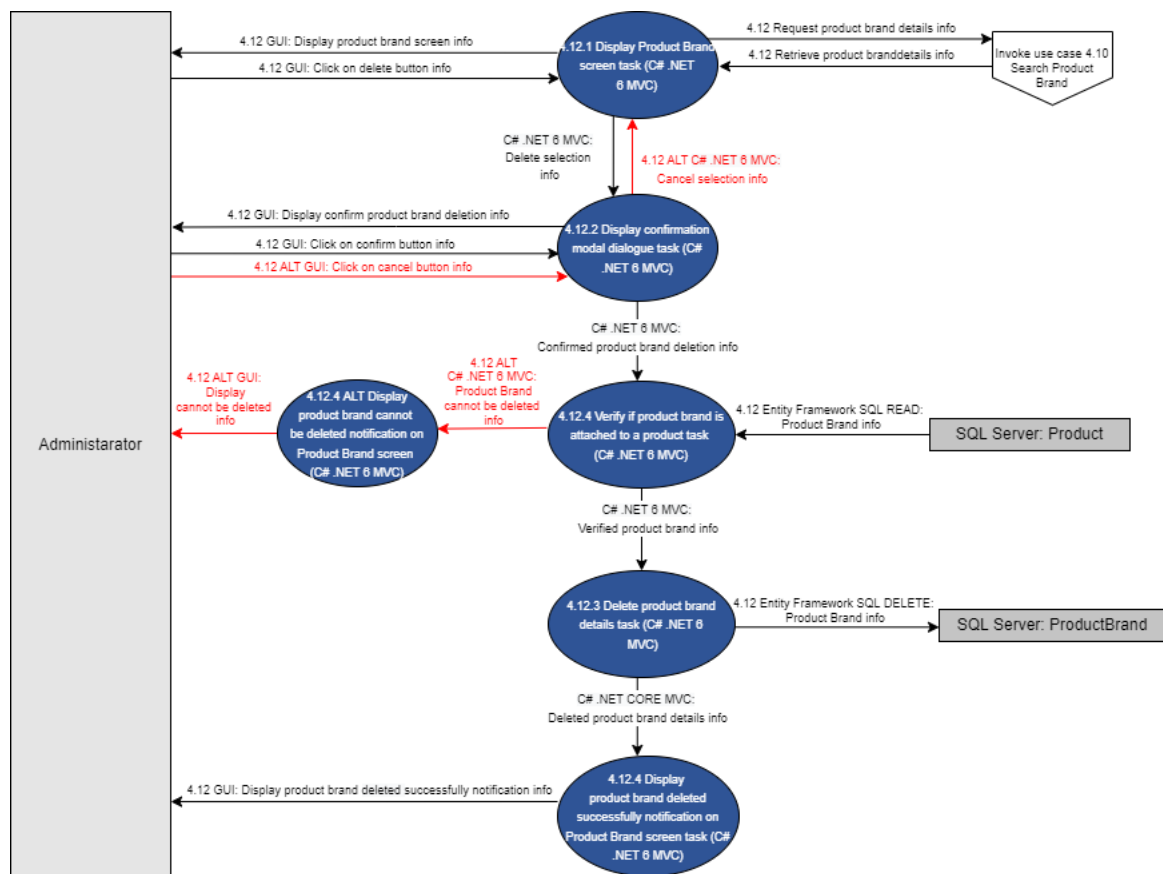


Figure 26- 4.12 Delete Product brand

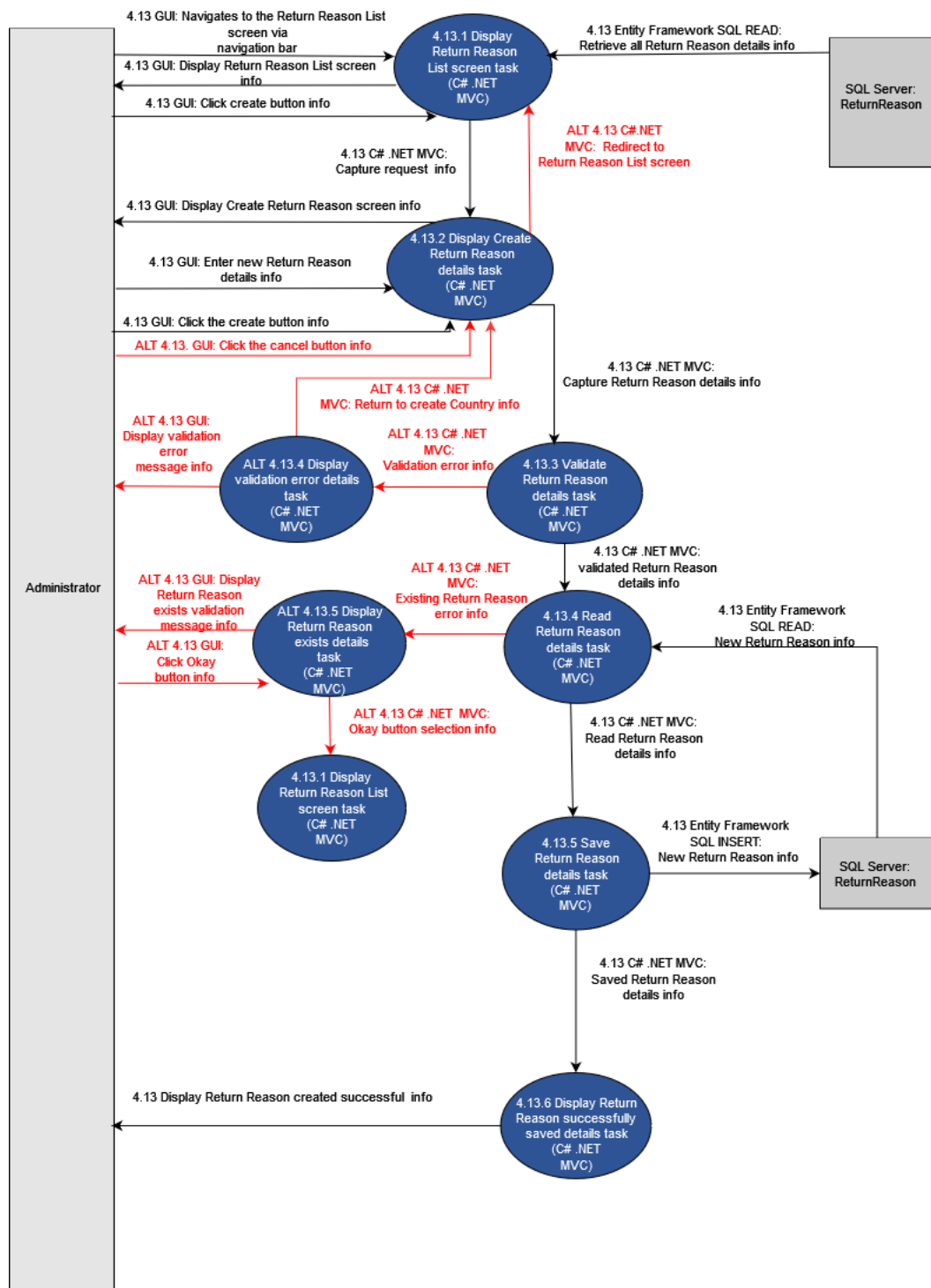


Figure 27- 4.13 Create Return Reason

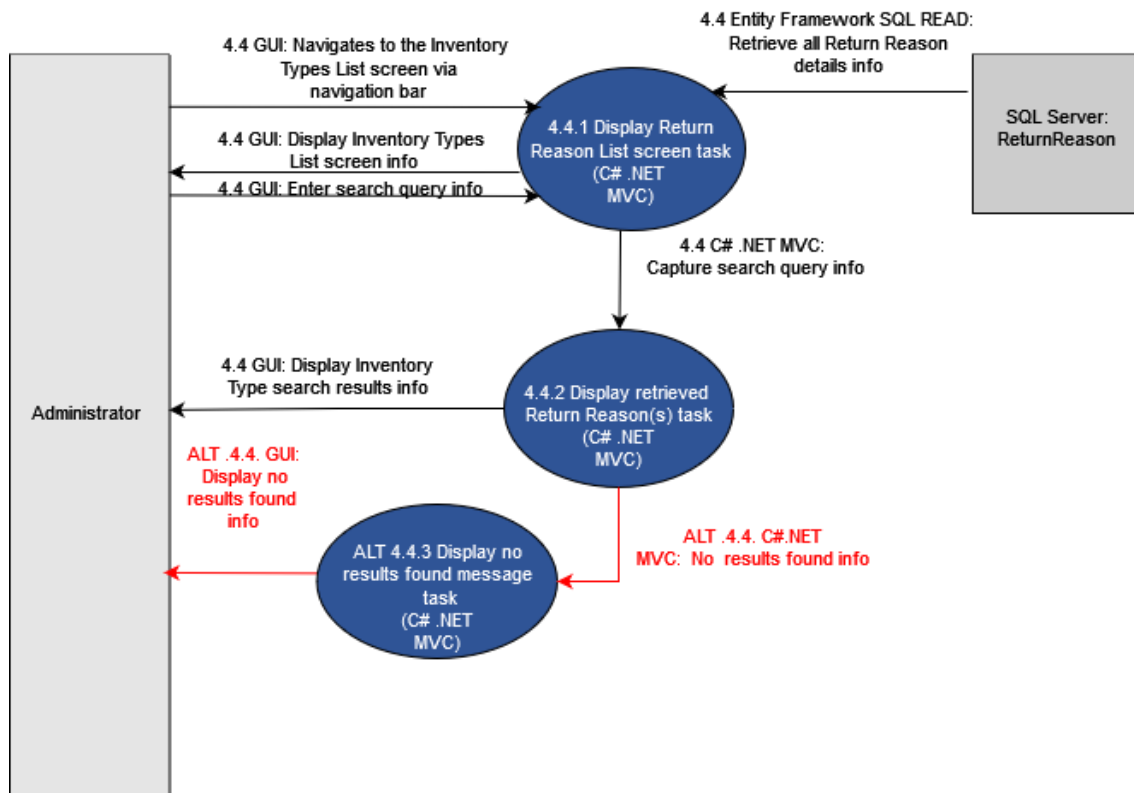


Figure 28- 4.14 Search Return Reason

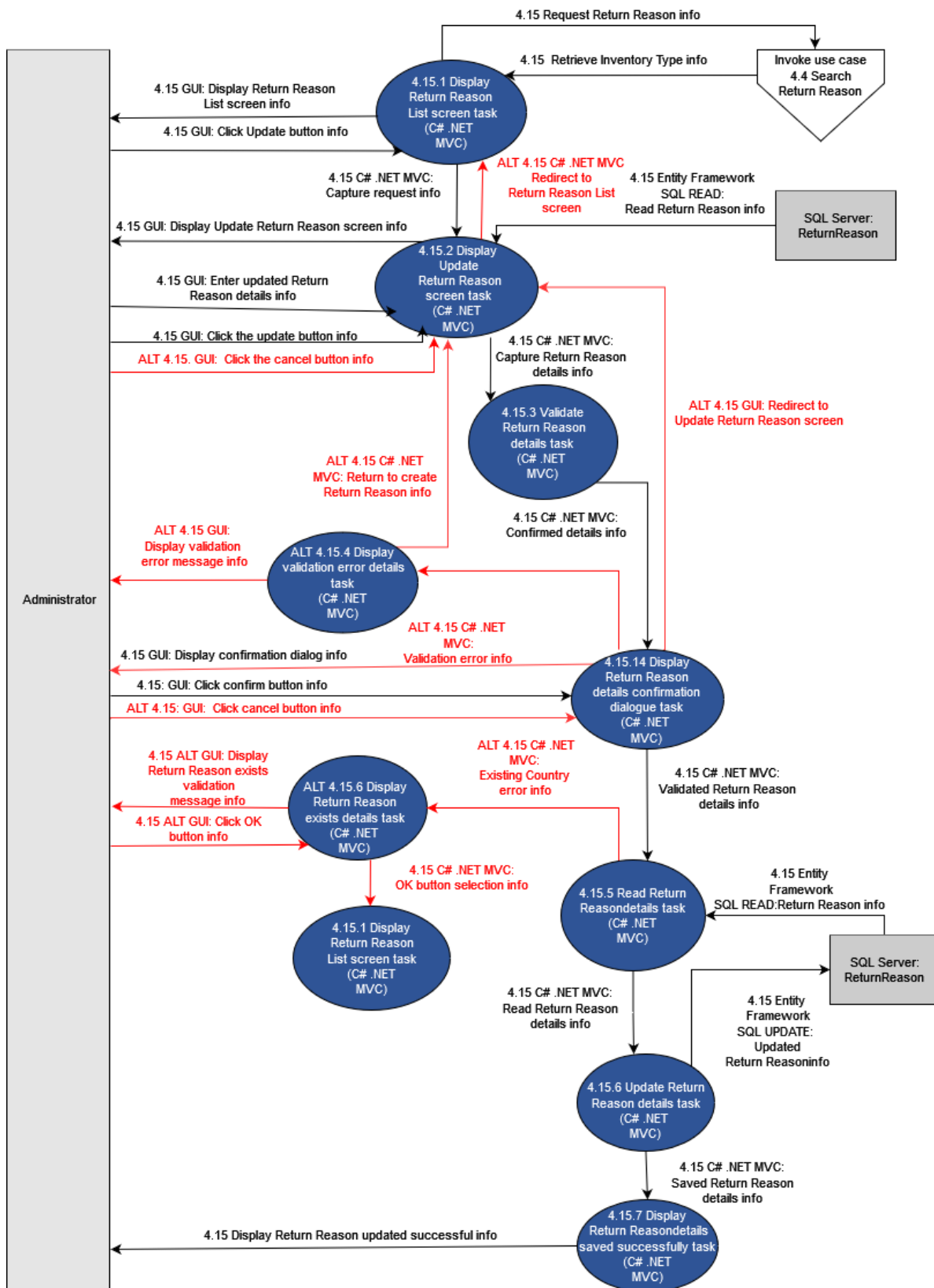


Figure 29- 4.15 Update Return Reason

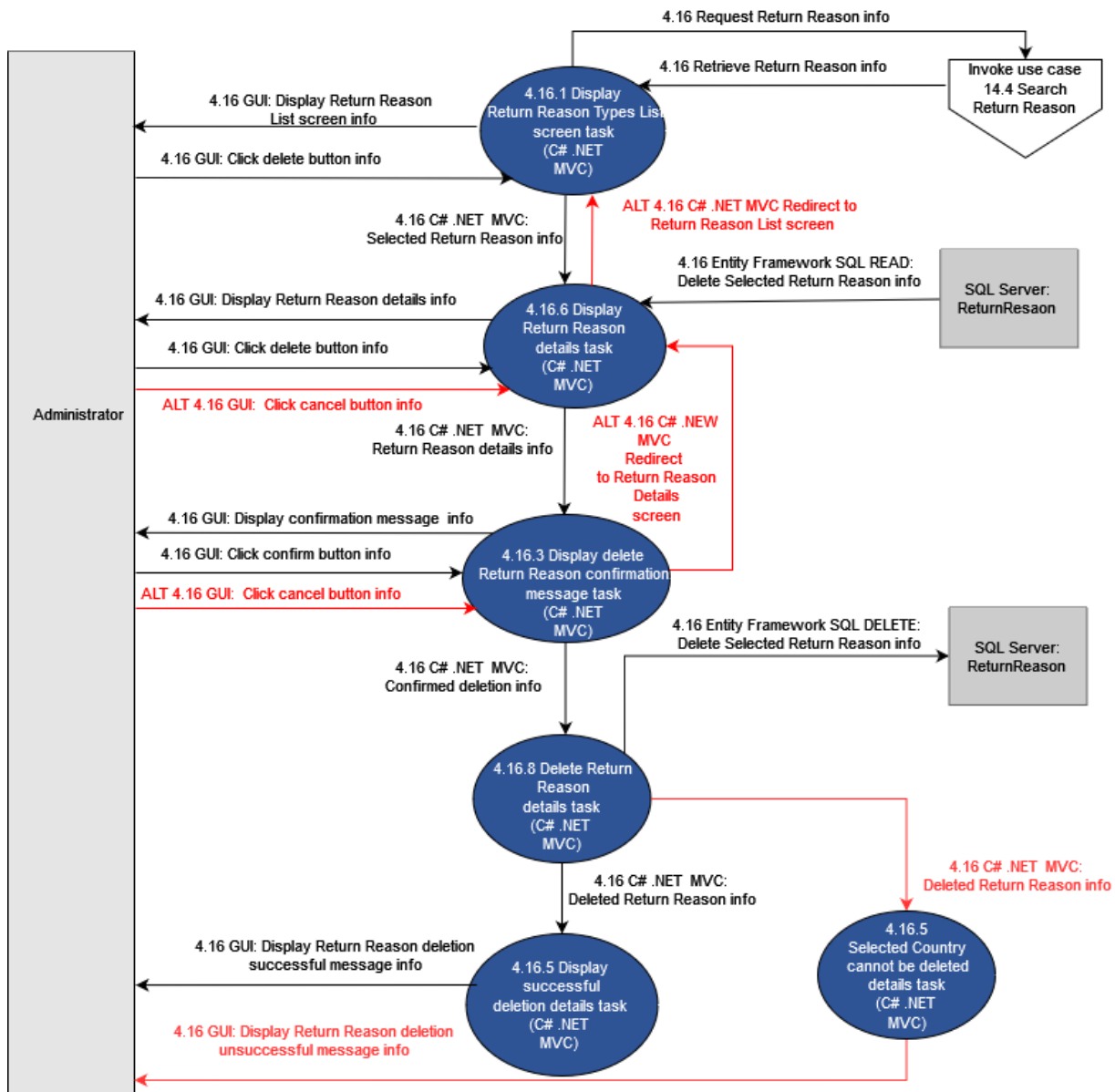


Figure 30- 4.16 Delete Return Reason

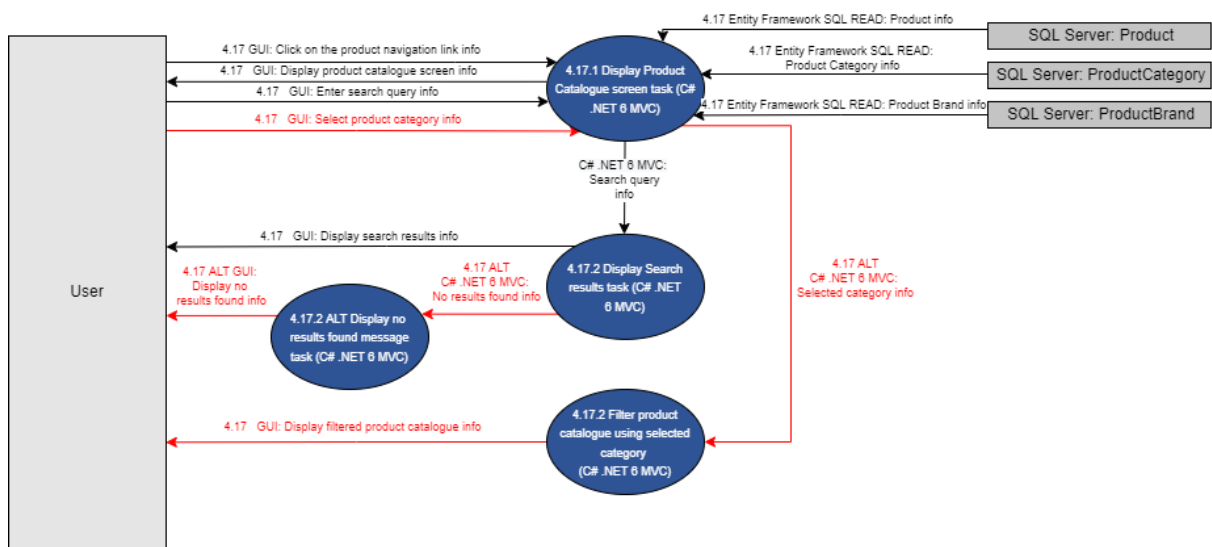


Figure 31- 4.17 Browse Product Catalogue

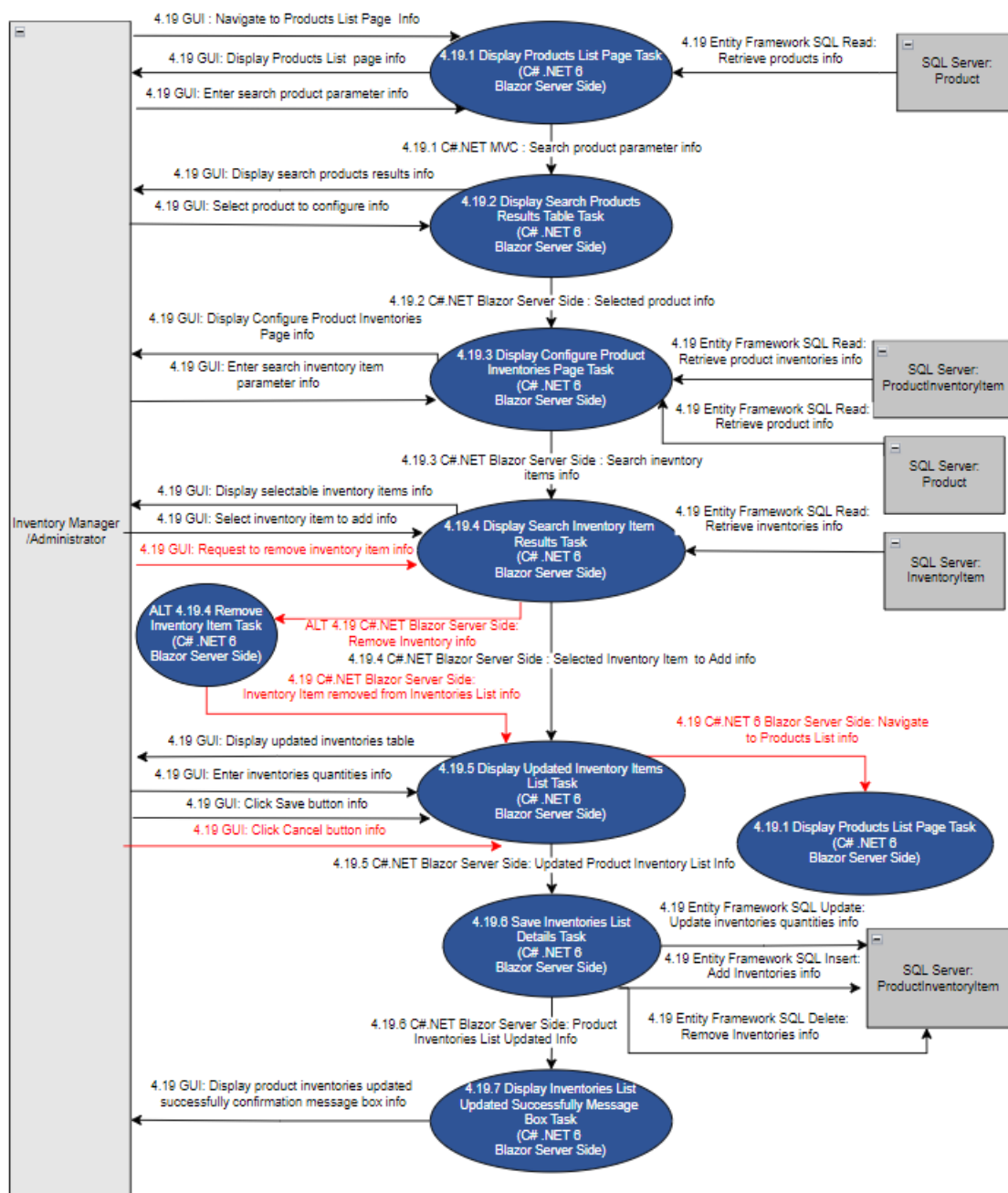


Figure 32- 4.18 Configure Product

2.5. Order Subsystem

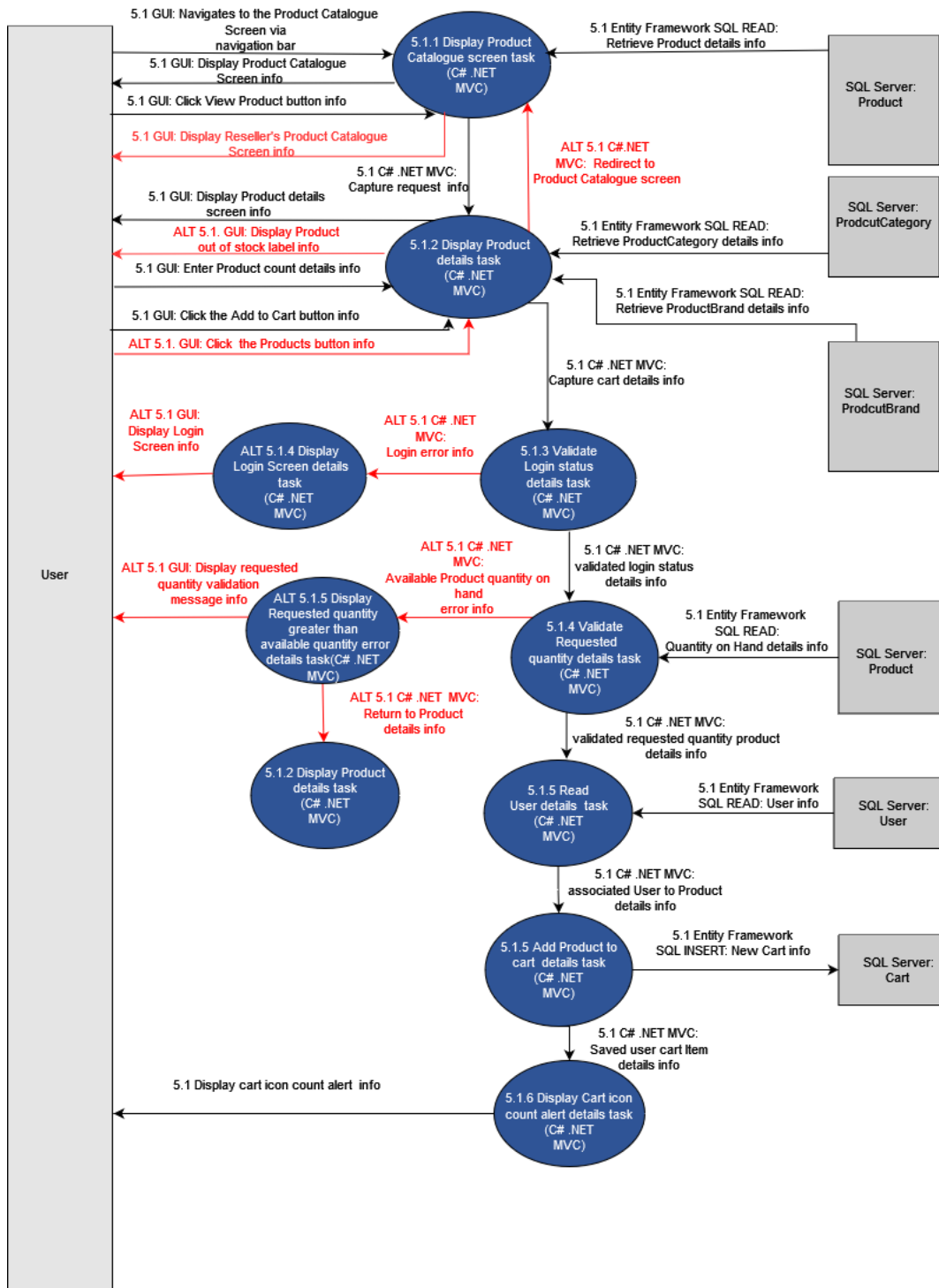


Figure 33 -5.1 Add Item(s) to Cart

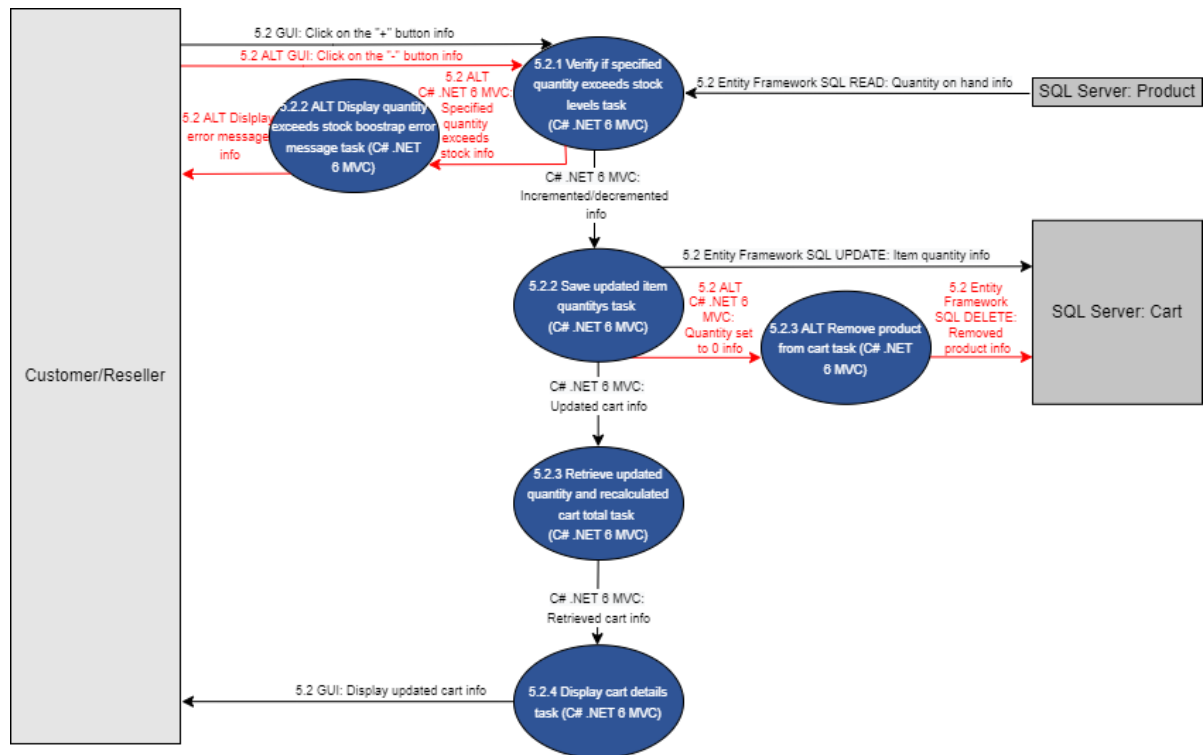


Figure 34 - 5.2 Update Cart

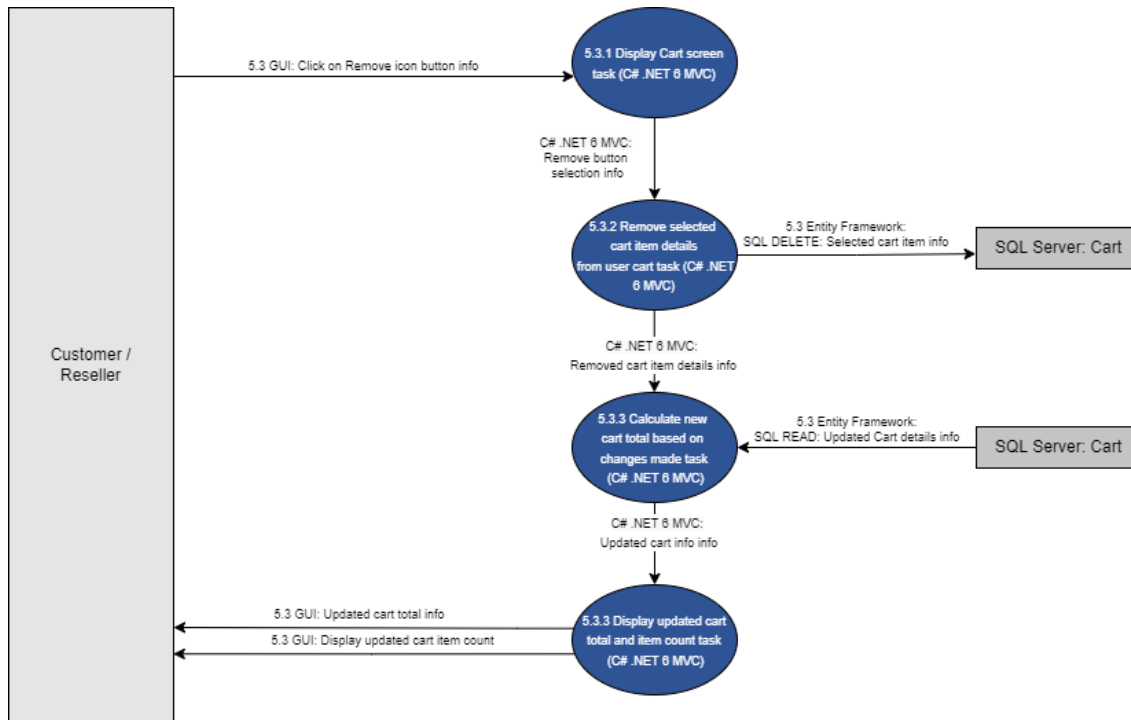


Figure 35 - 5.3 Remove Item(s) from Cart

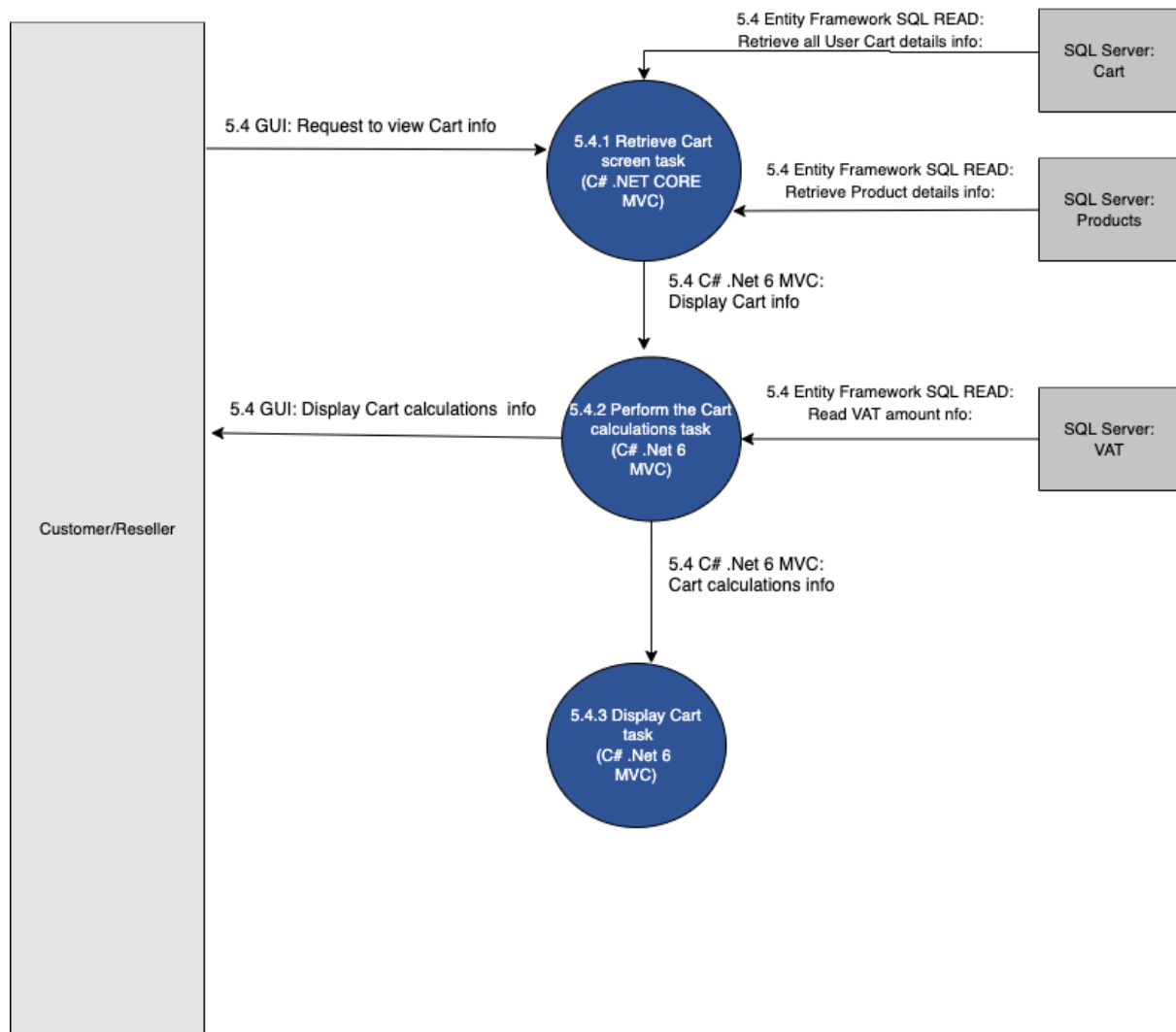


Figure 36- 5.4 View Cart

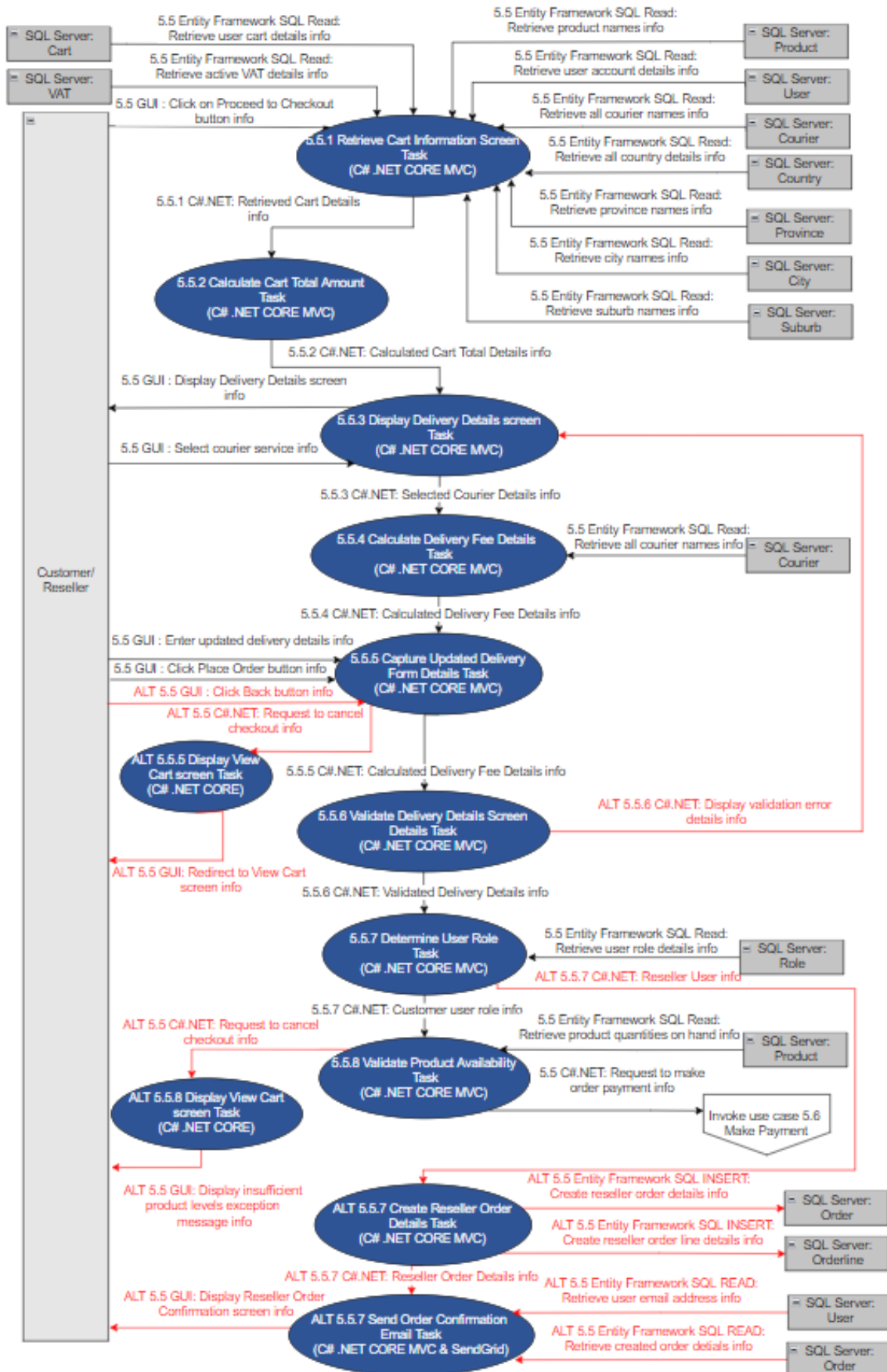


Figure 37 - 5.5 Checkout Cart

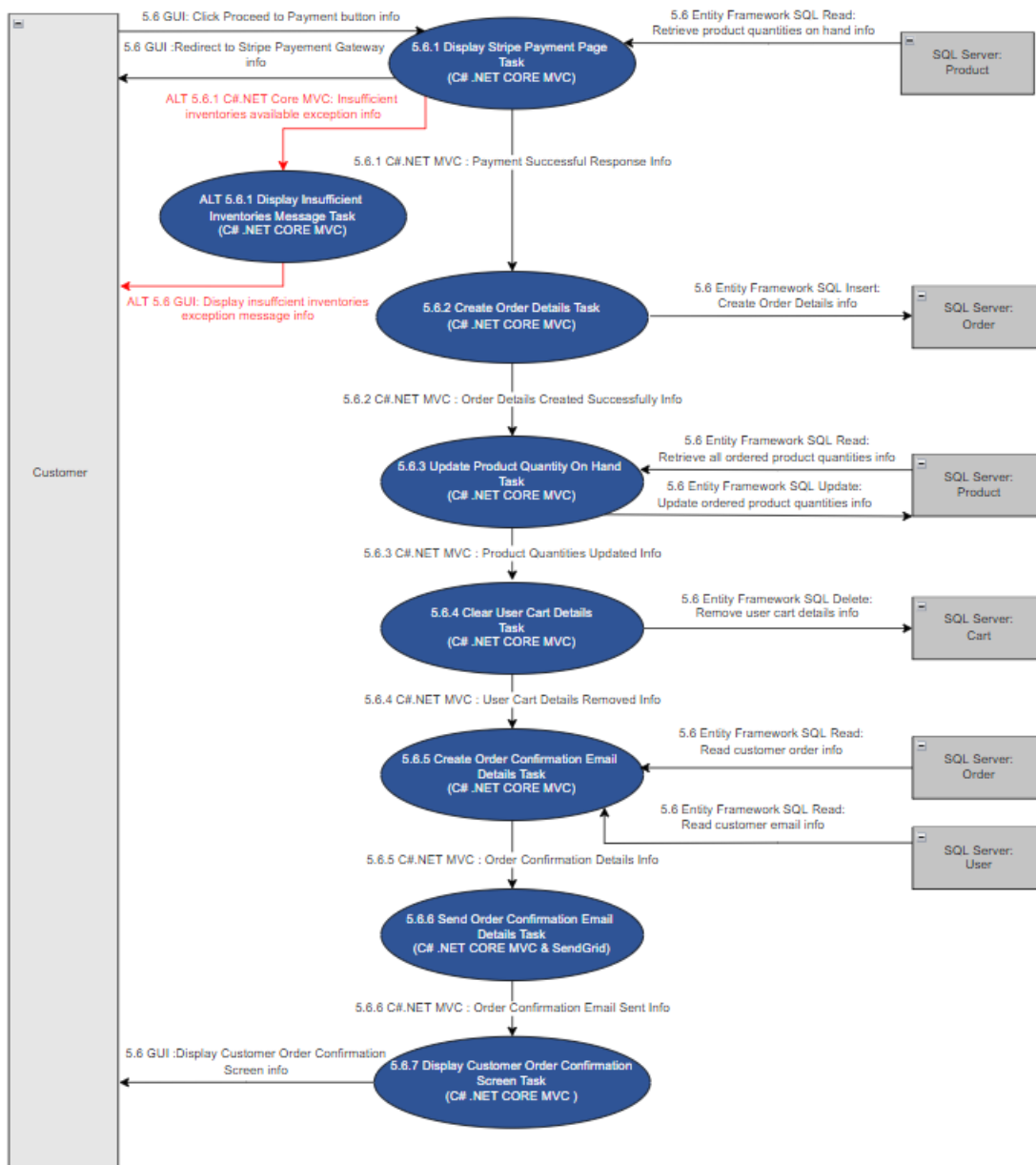


Figure 38- 5.6 Make Payment

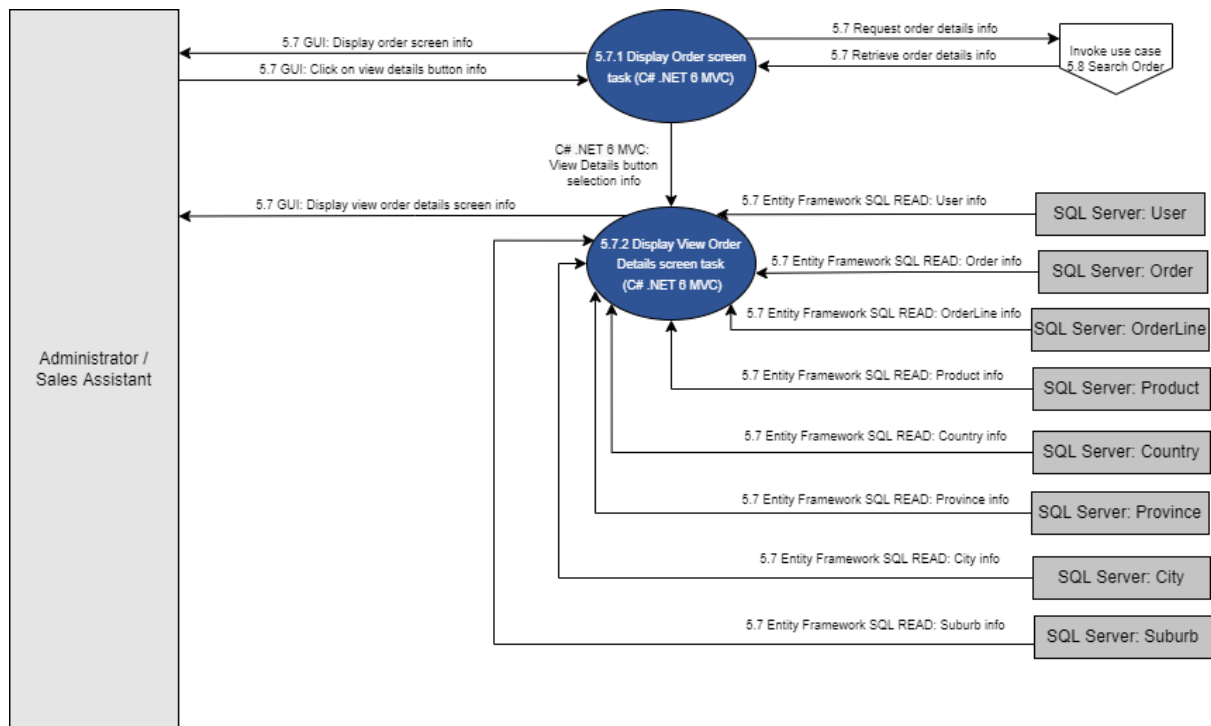


Figure 39- 5.7 View Orders Overview

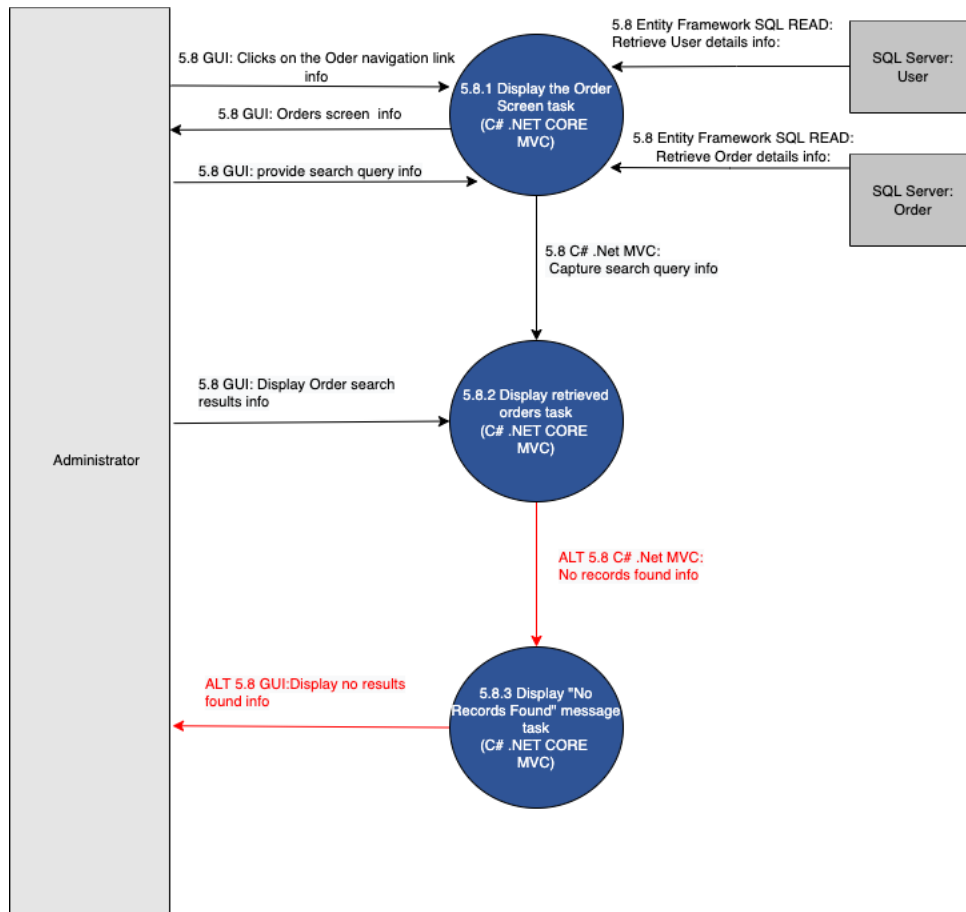


Figure 40- 5.8 Search Order

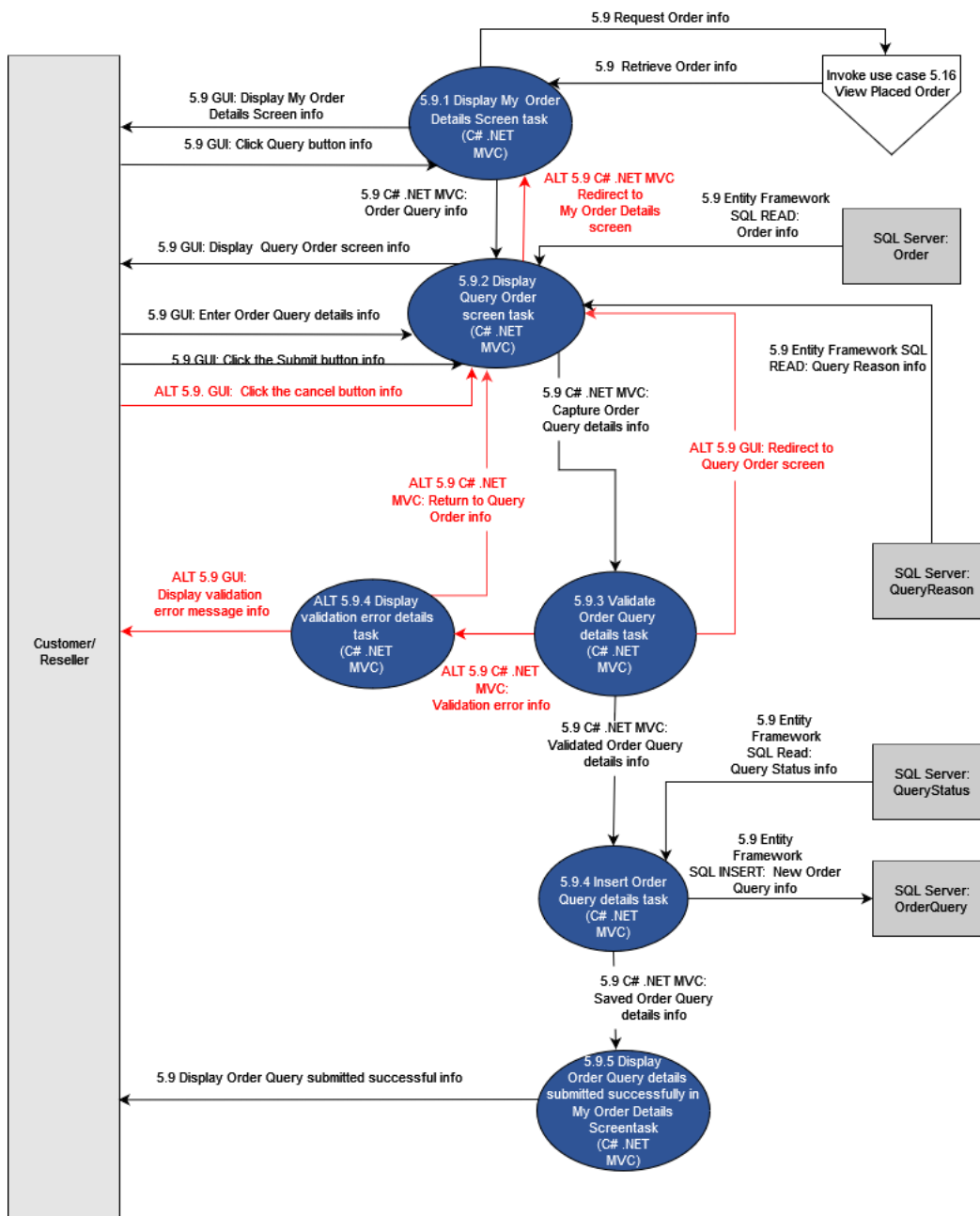


Figure 41- 5.9 Query Order

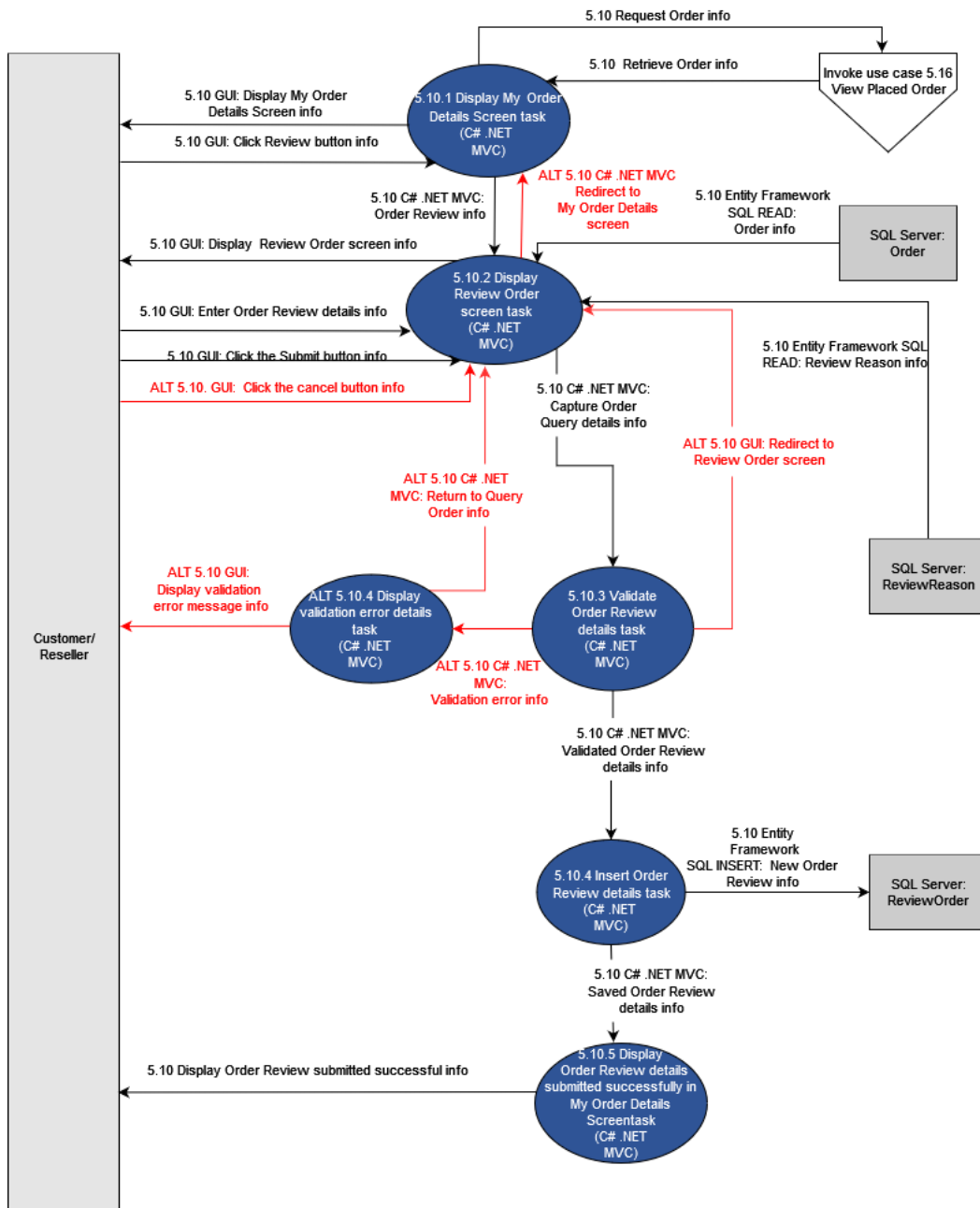


Figure 42 - 5.10 Review Order

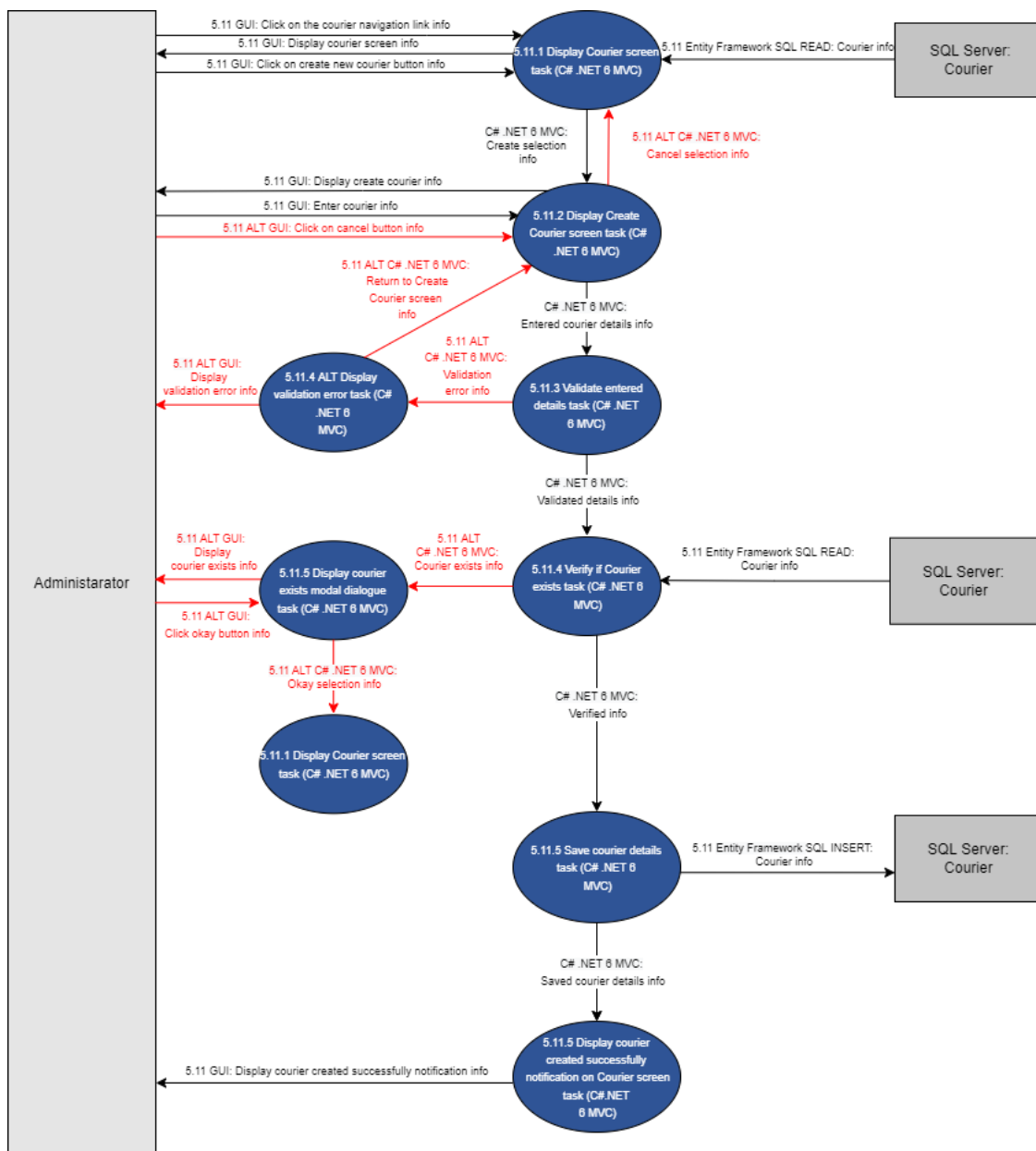


Figure 43 - 5.11 Create Courier

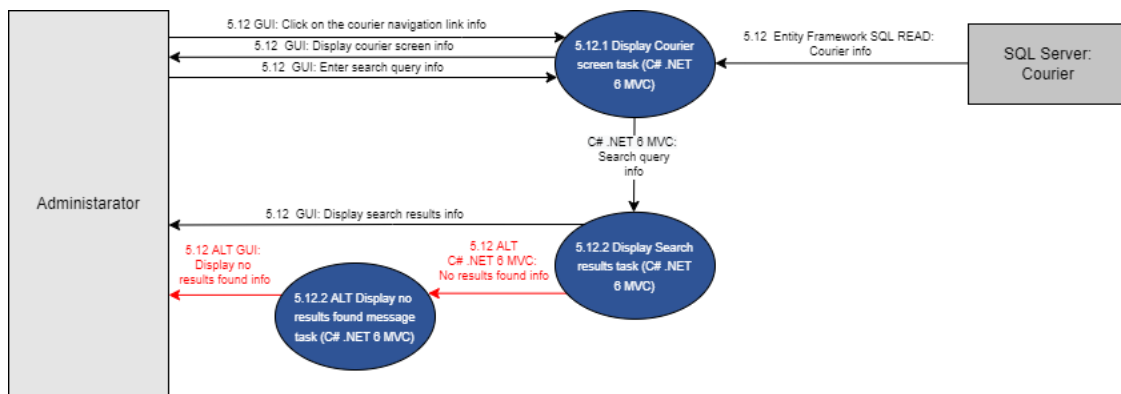


Figure 44 - 5.12 Search Courier

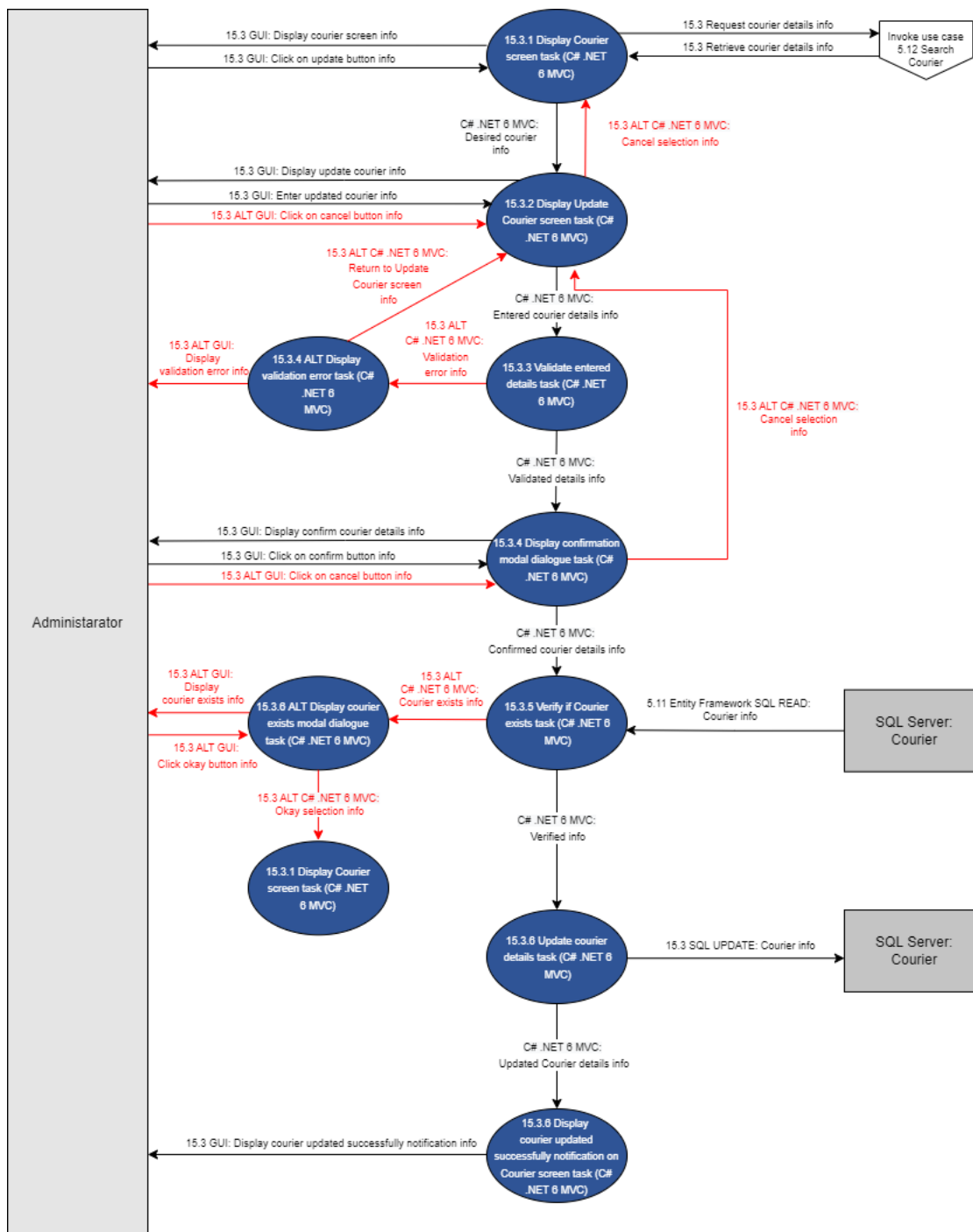


Figure 45 - 5.13 Update Courier

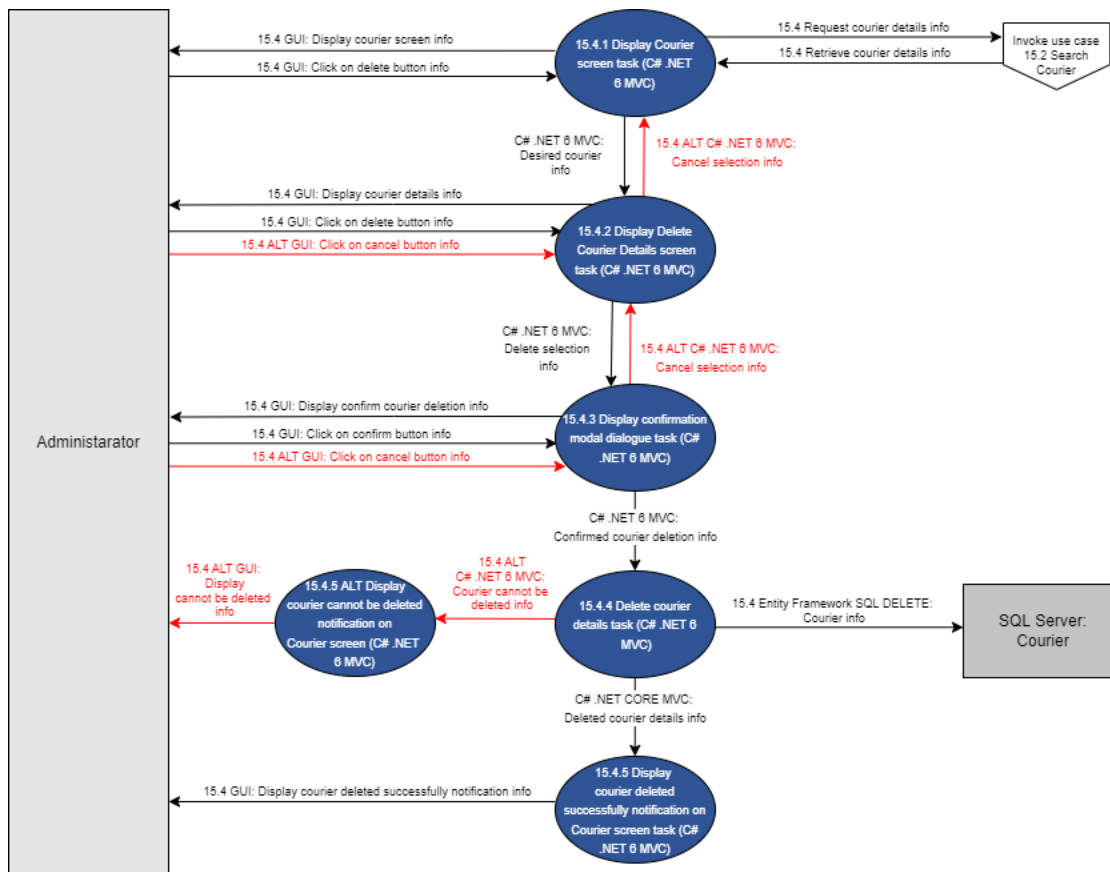


Figure 46 - 5.14 Delete Courier

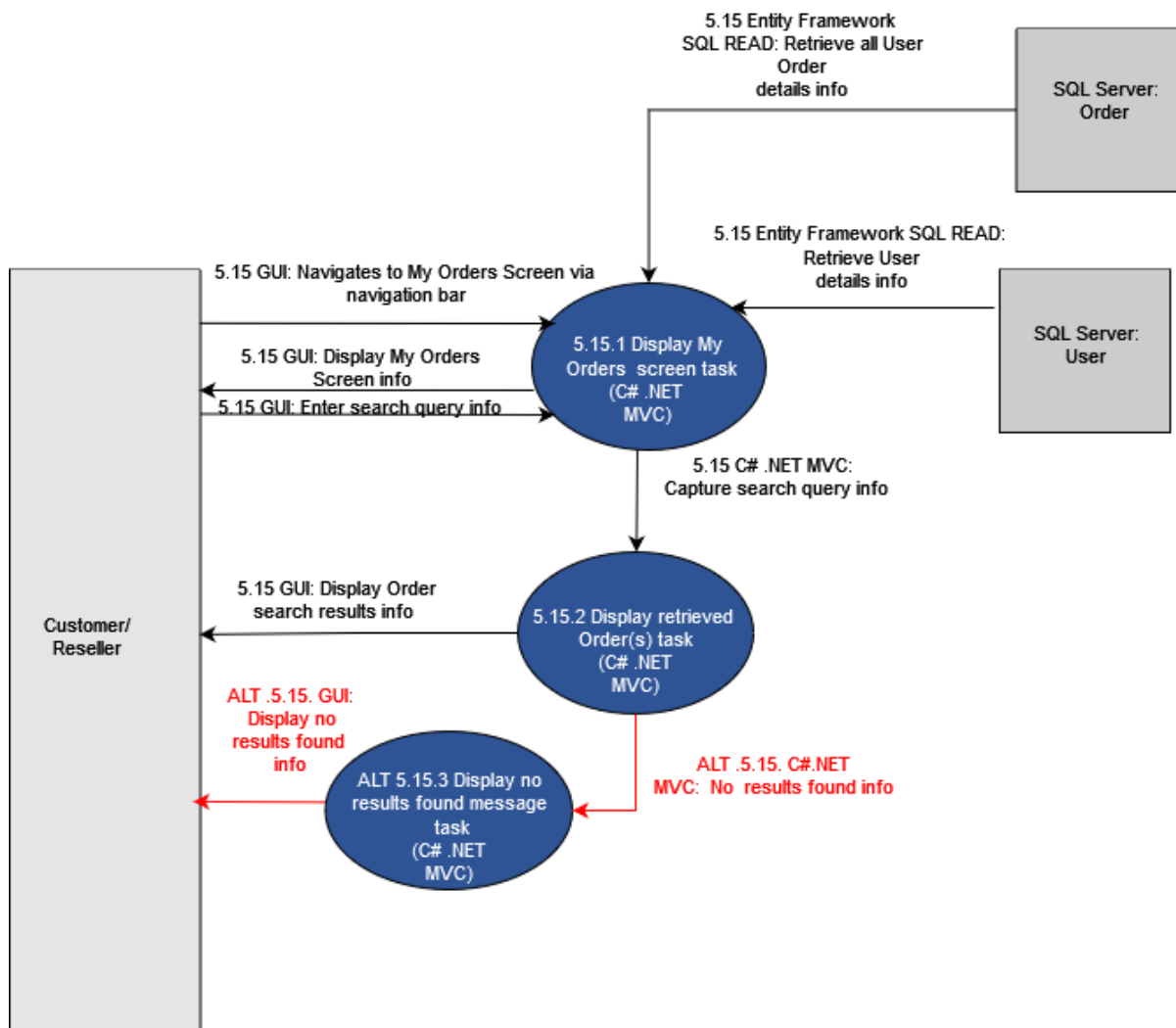


Figure 47- 5.15 Search Placed Order

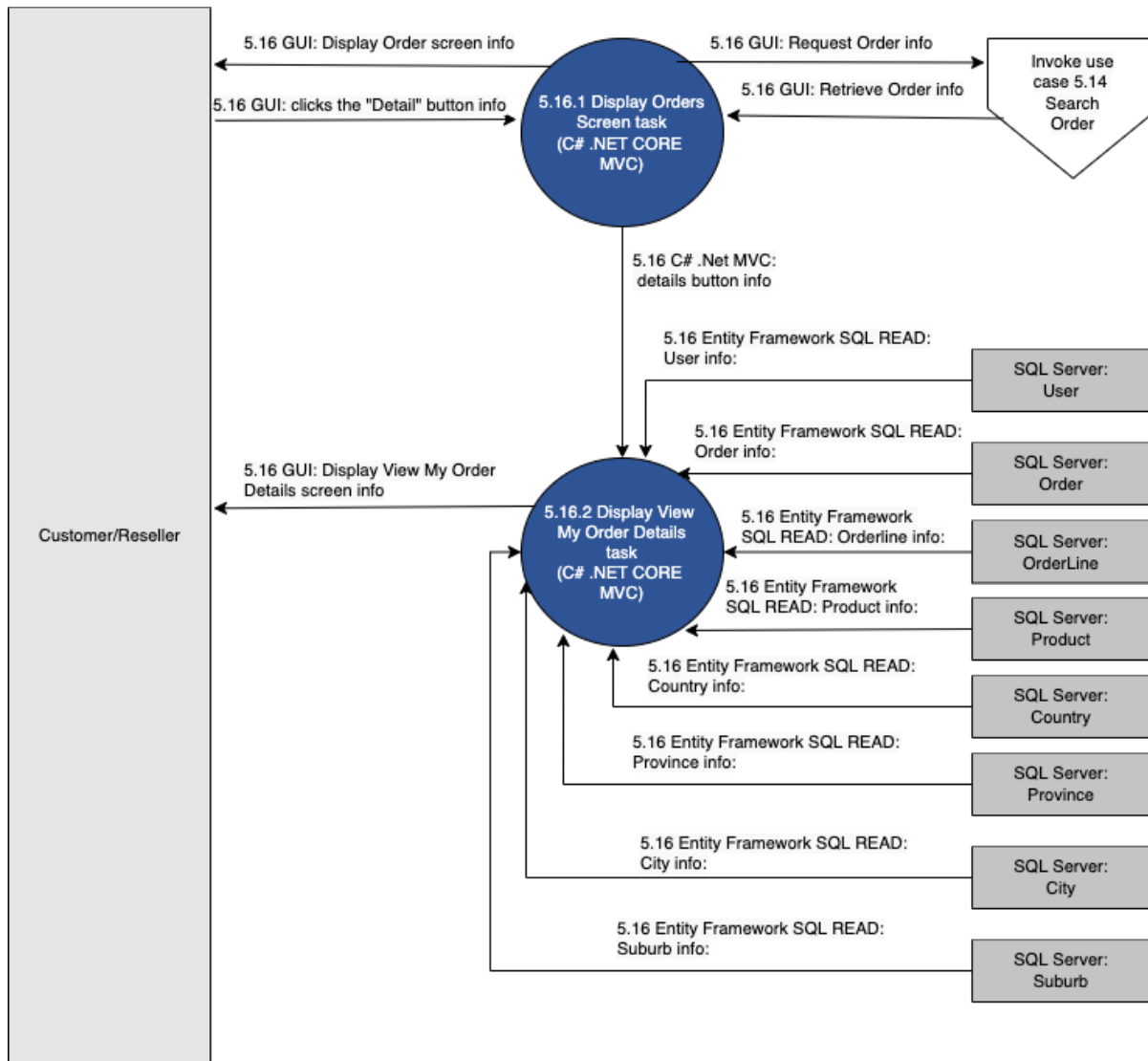


Figure 48 - 5.16 View Placed Order

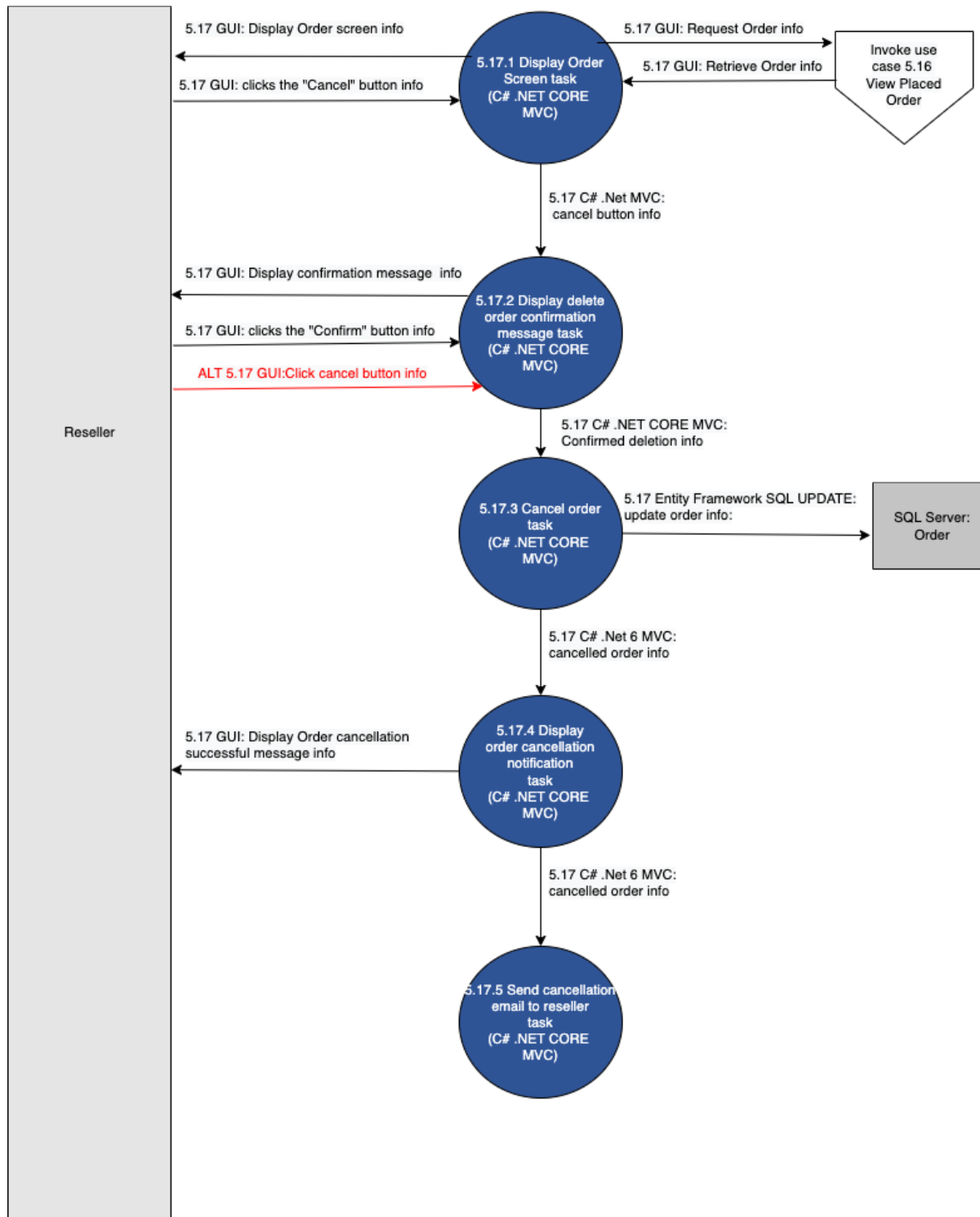


Figure 49- 5.17 Cancel Placed Order

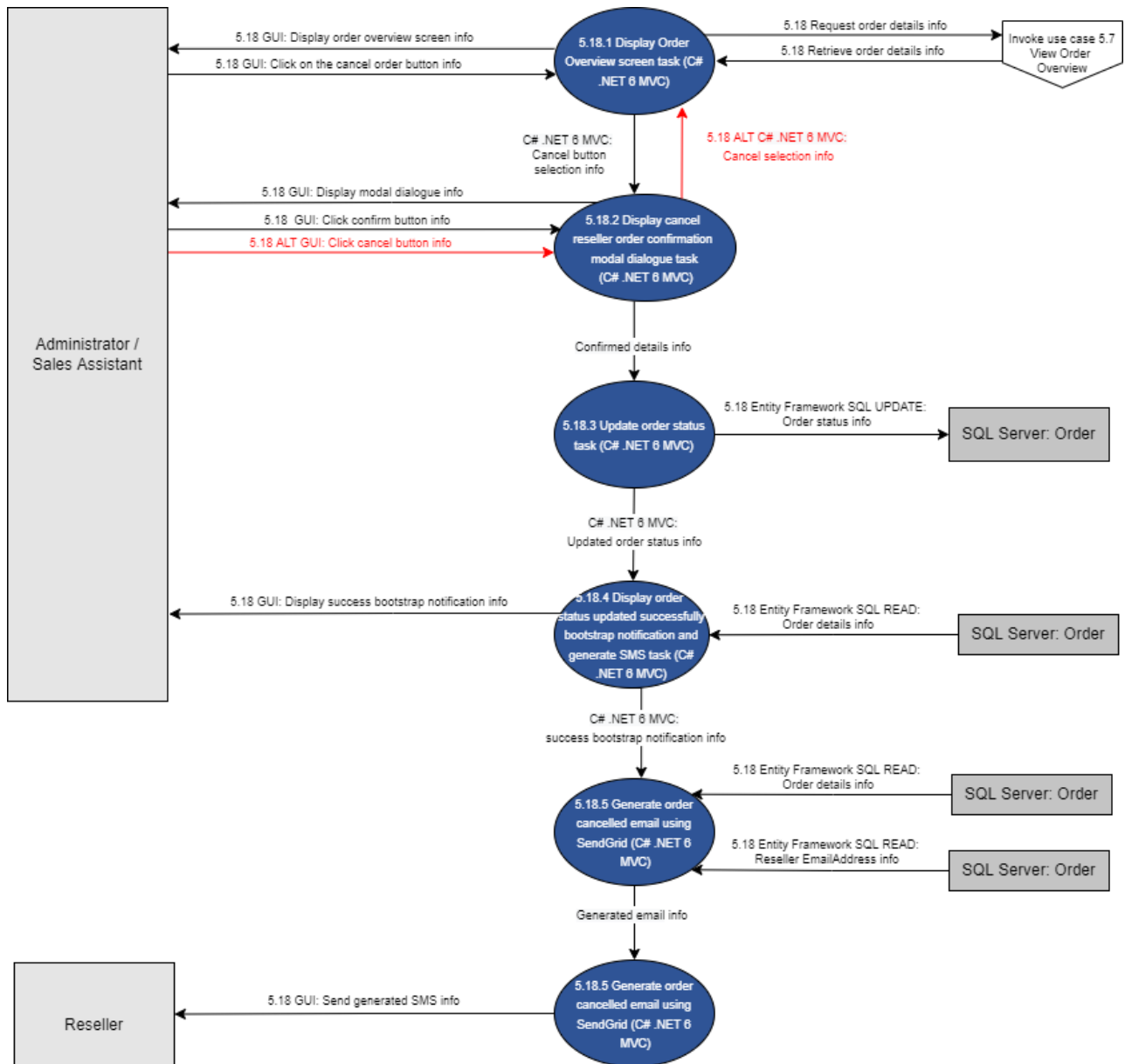


Figure 50- 5.18 Cancel Reseller Order

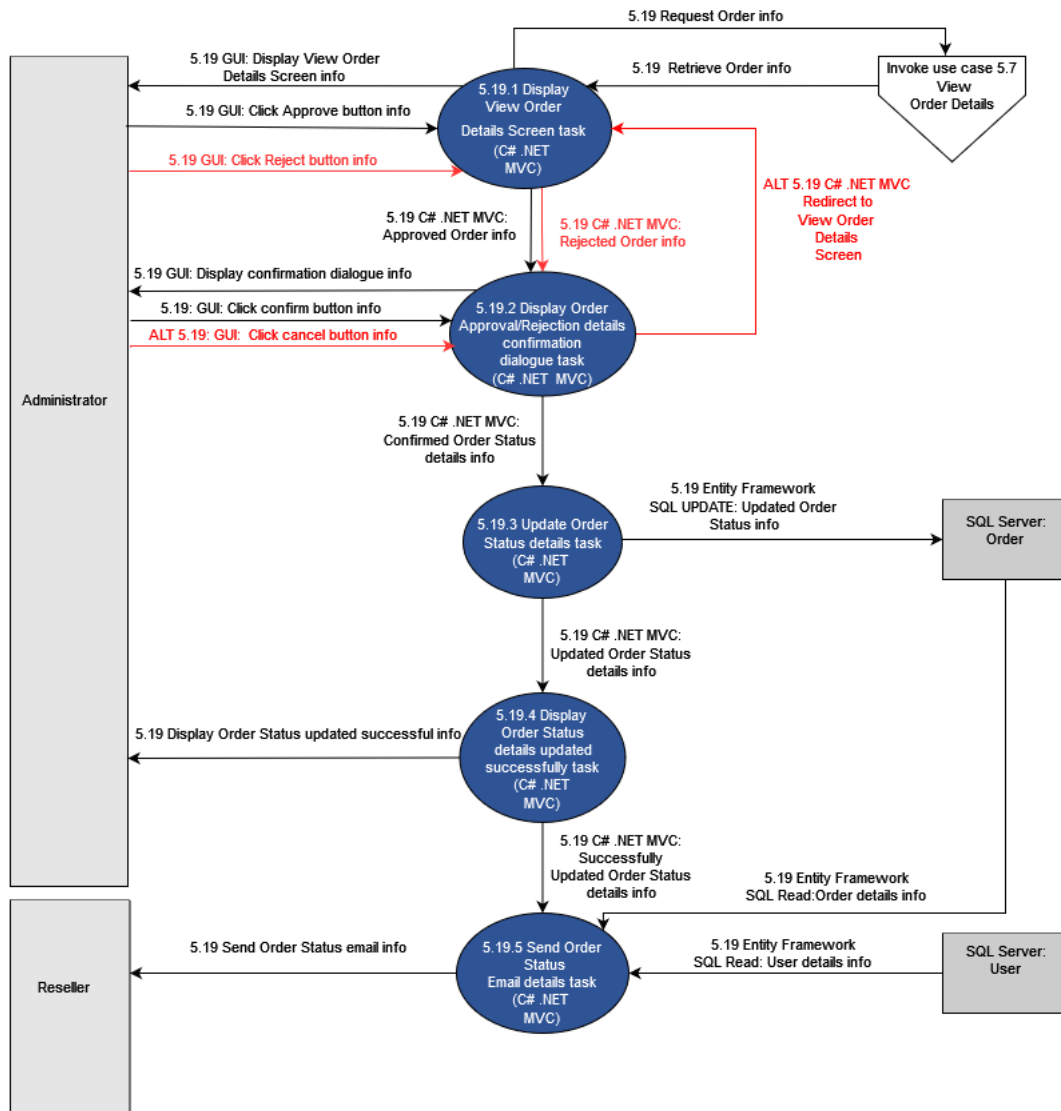


Figure 51- 5.19 Approve/Reject Reseller Order

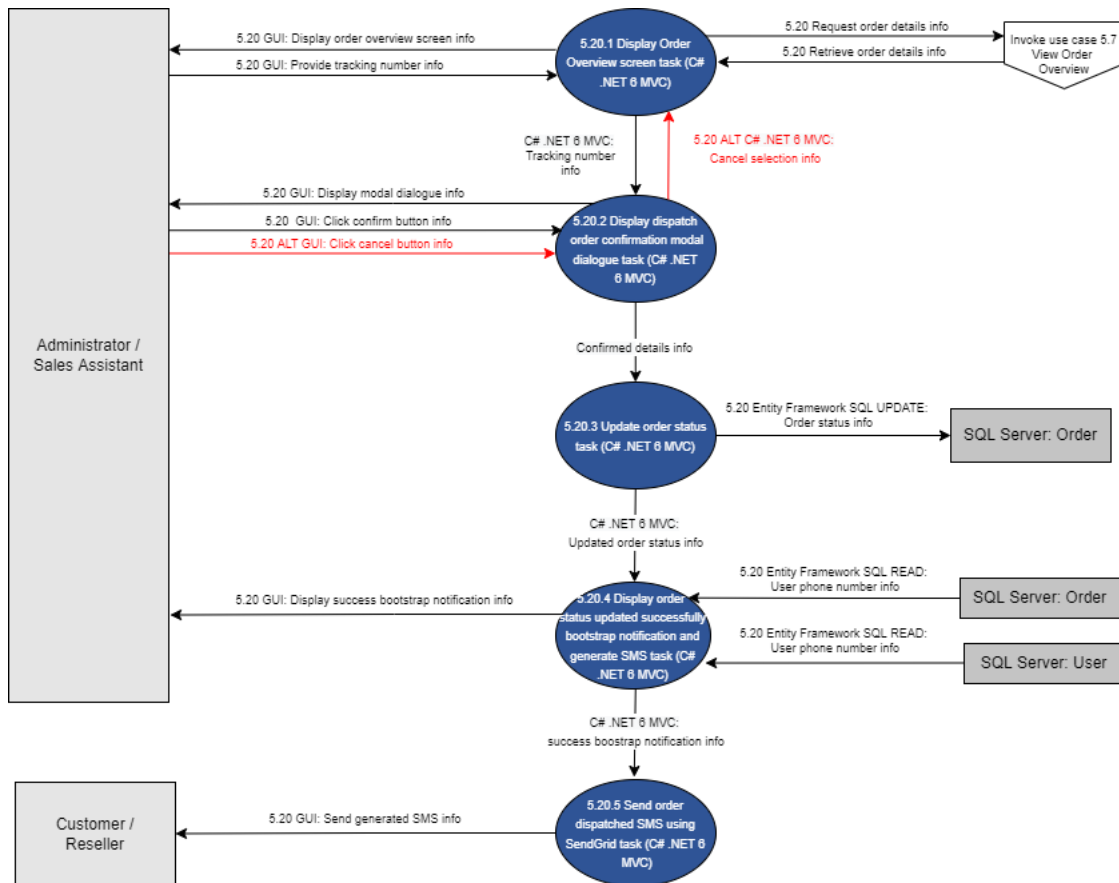


Figure 52 - 5.20 Dispatch Order

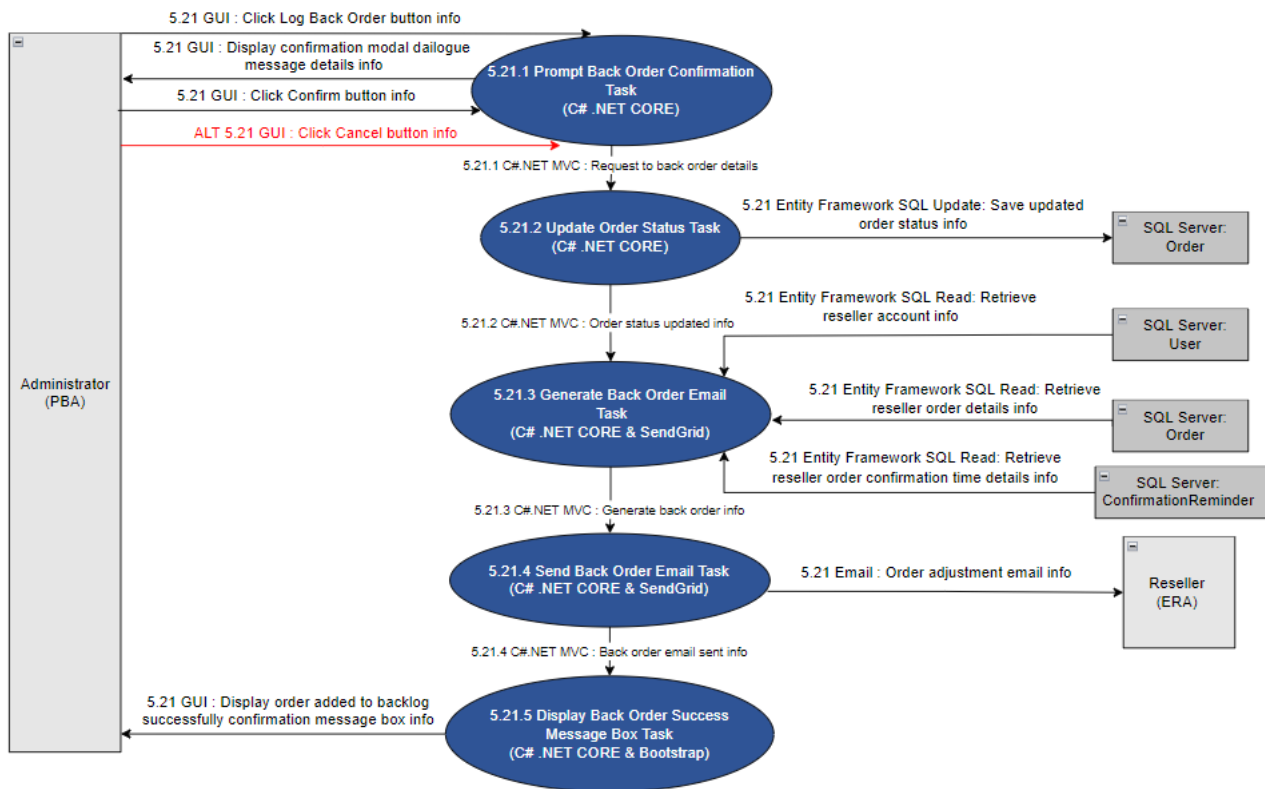


Figure 53- 5.21 Log Back Order

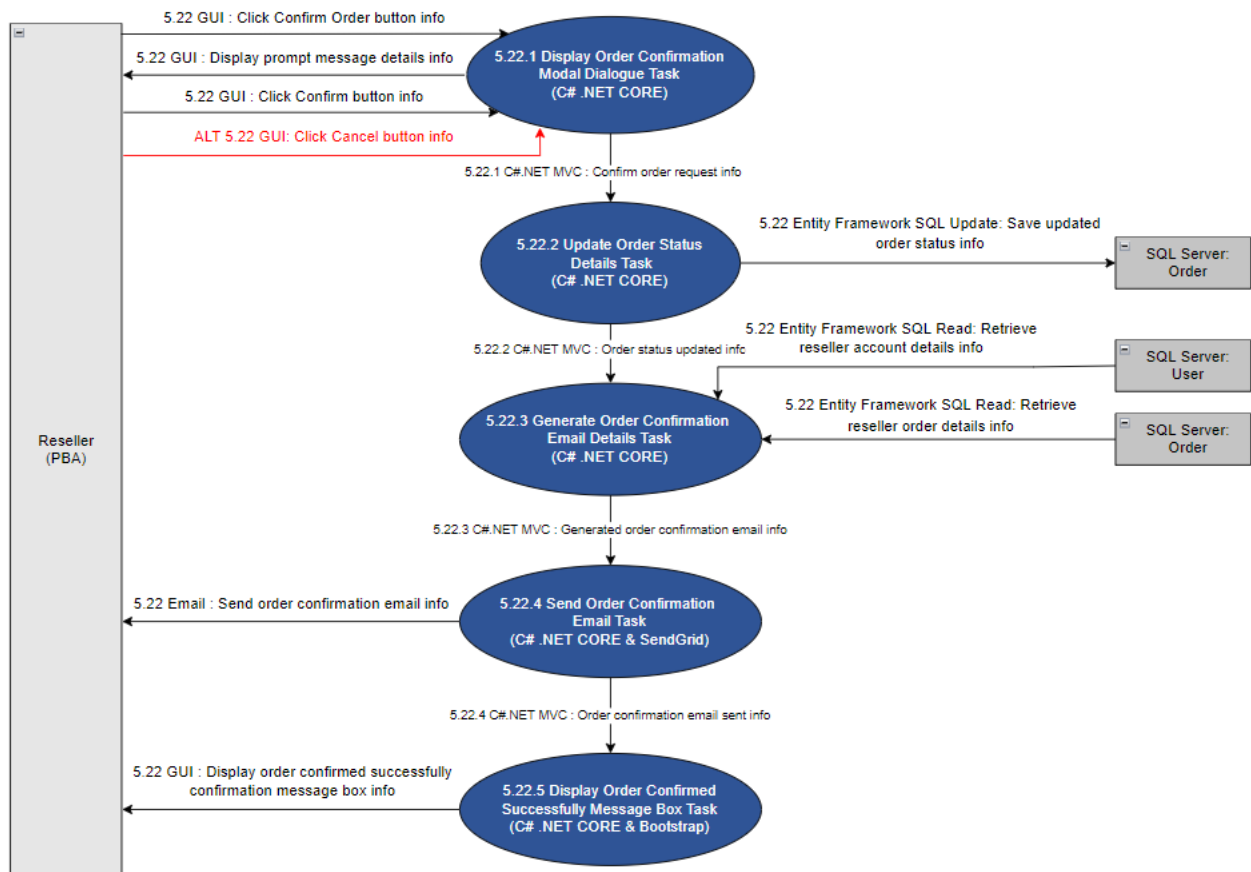


Figure 54- 5.22 Confirm Order

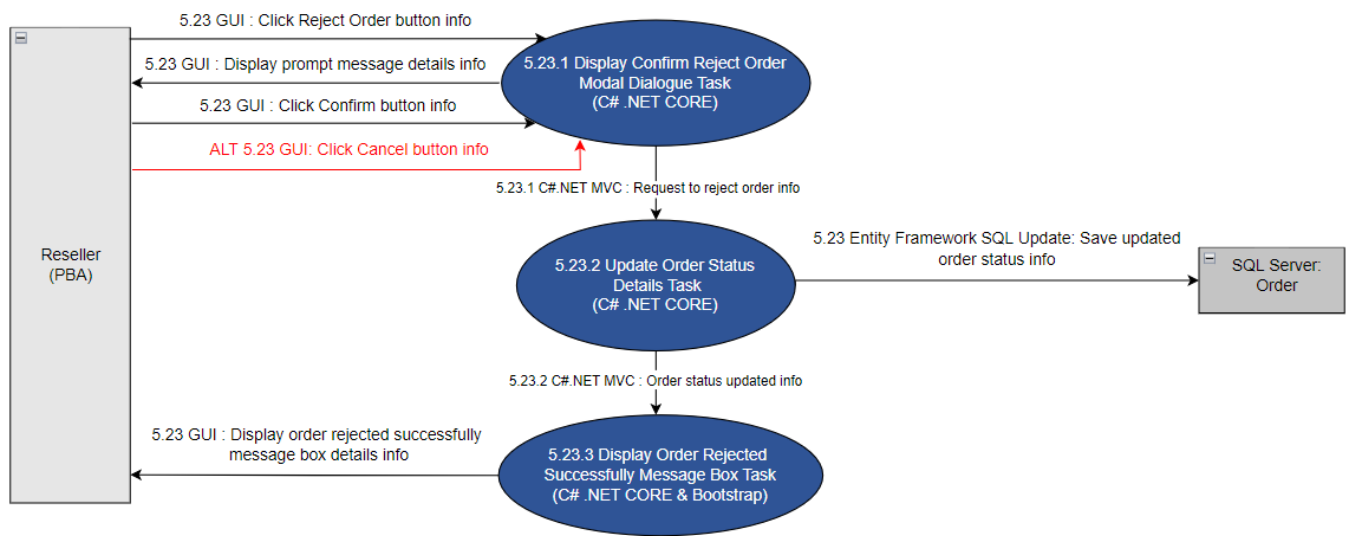


Figure 55- 5.23 Reject Order

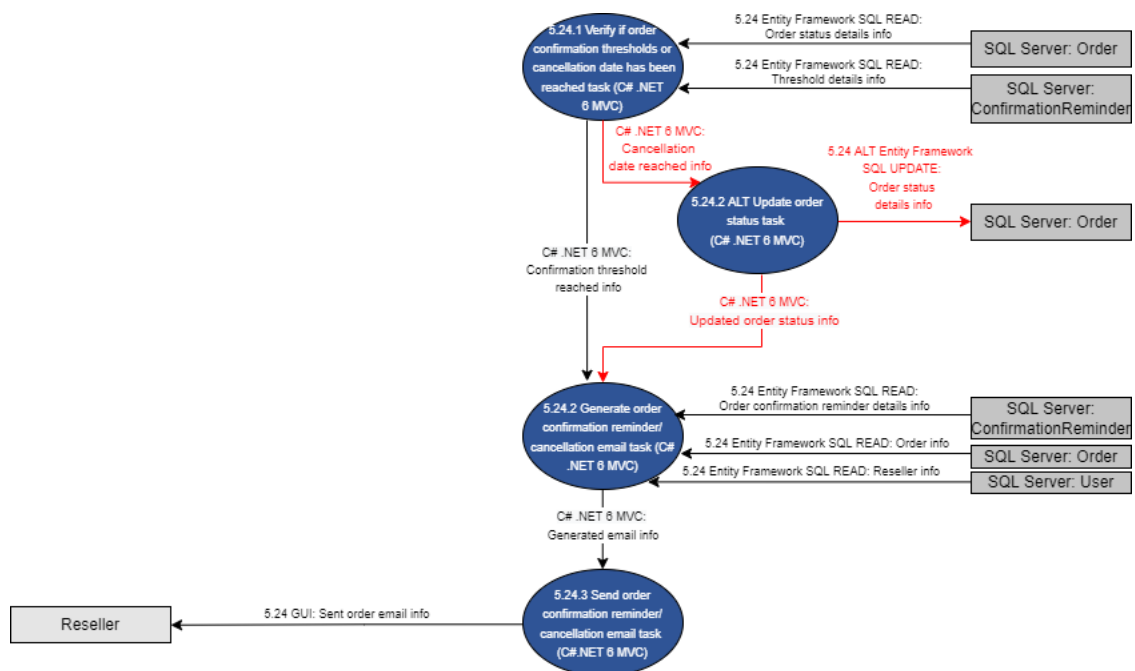


Figure 56- 5.24 Send Order Confirmation Reminder

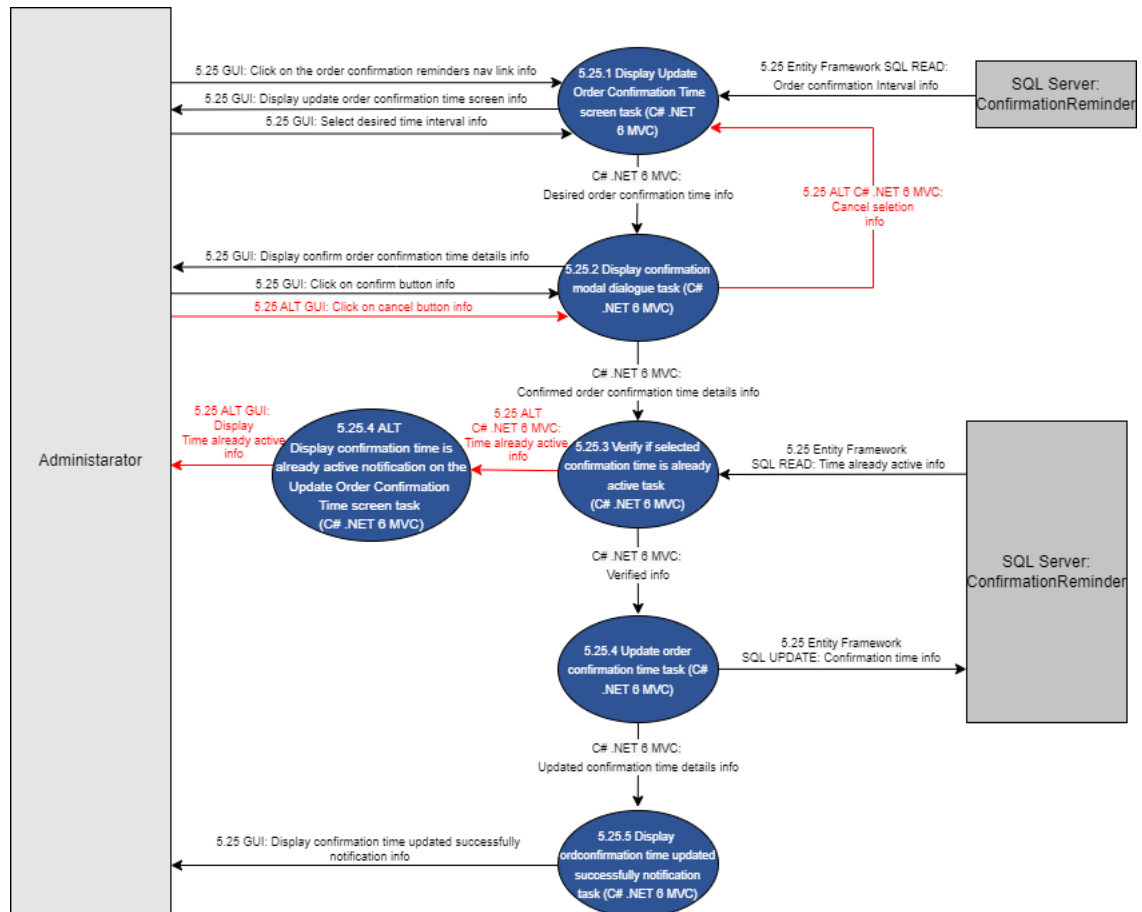


Figure 57- 5.25 Update Order Confirmation Time

2.6. Query Reason Subsystem

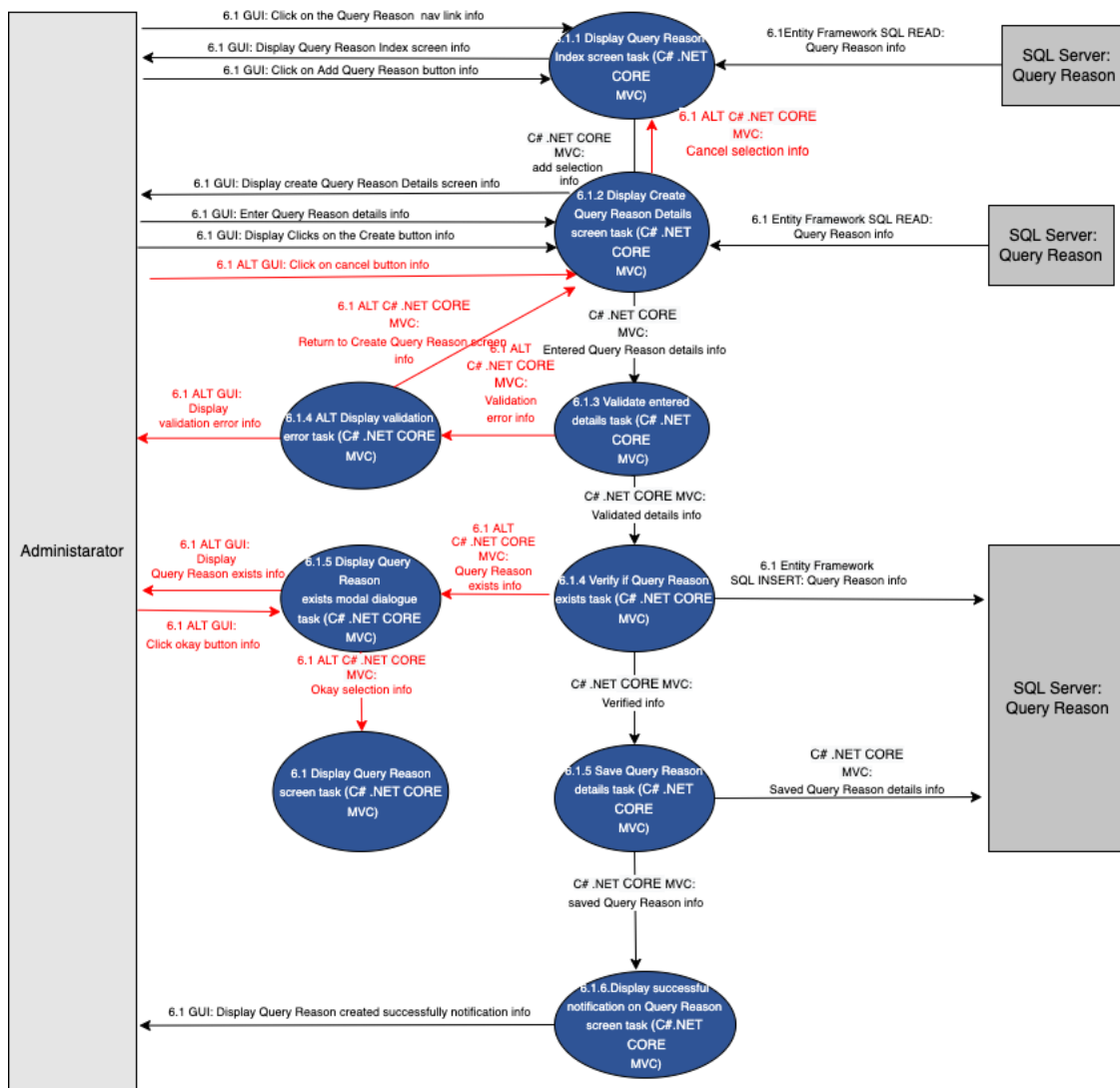


Figure 58 - 6.1 Create Query Reason

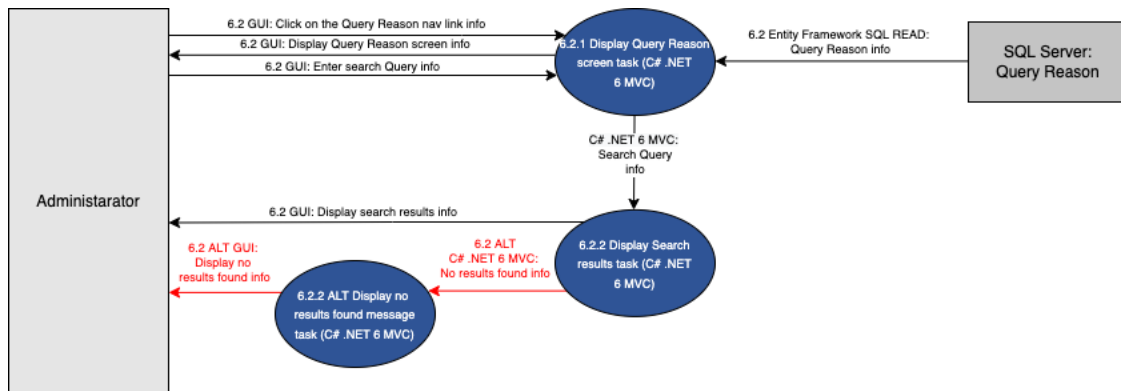


Figure 59 - 6.2 Search Query Reason

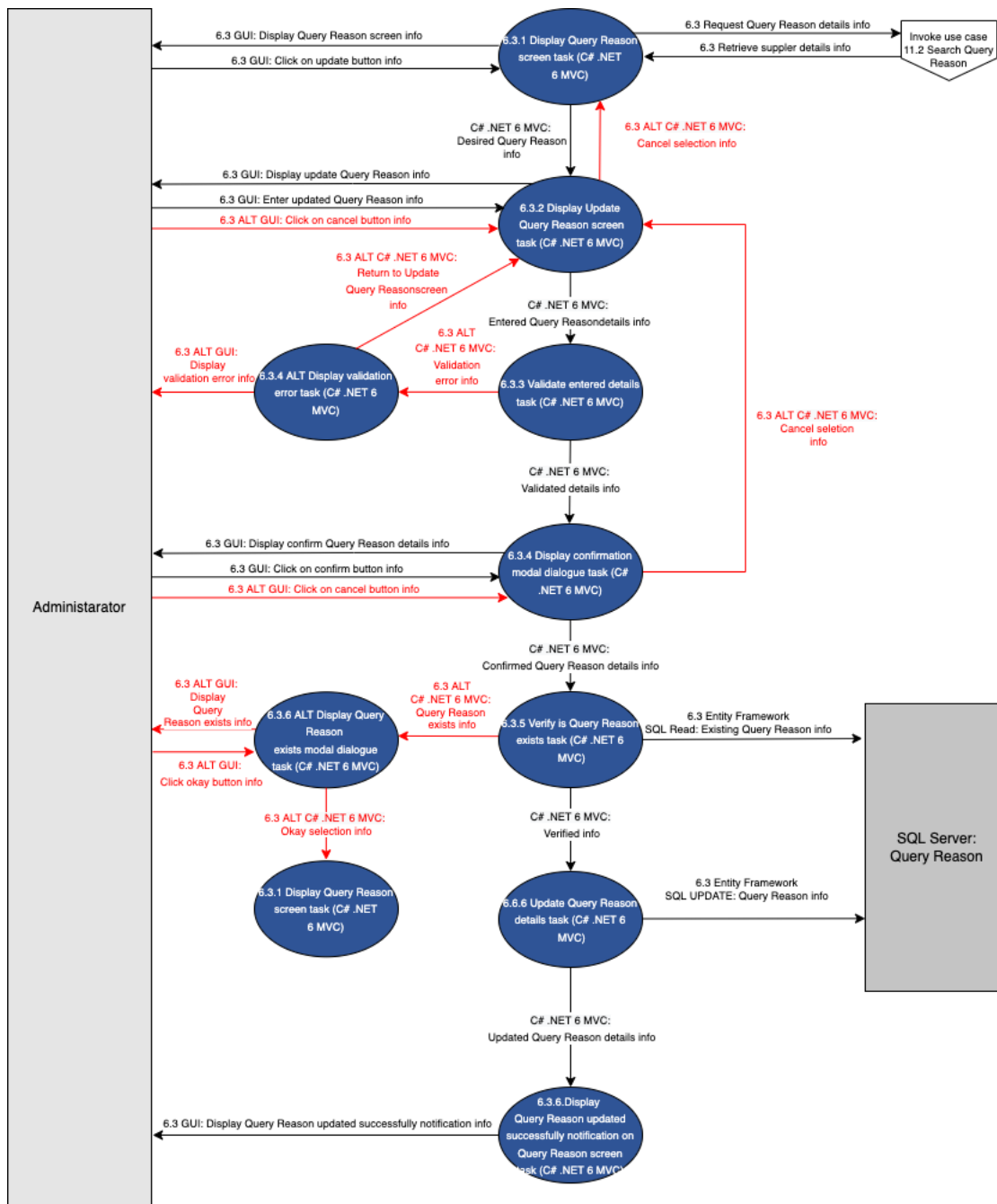


Figure 60 - 6.3 Update Query Reason

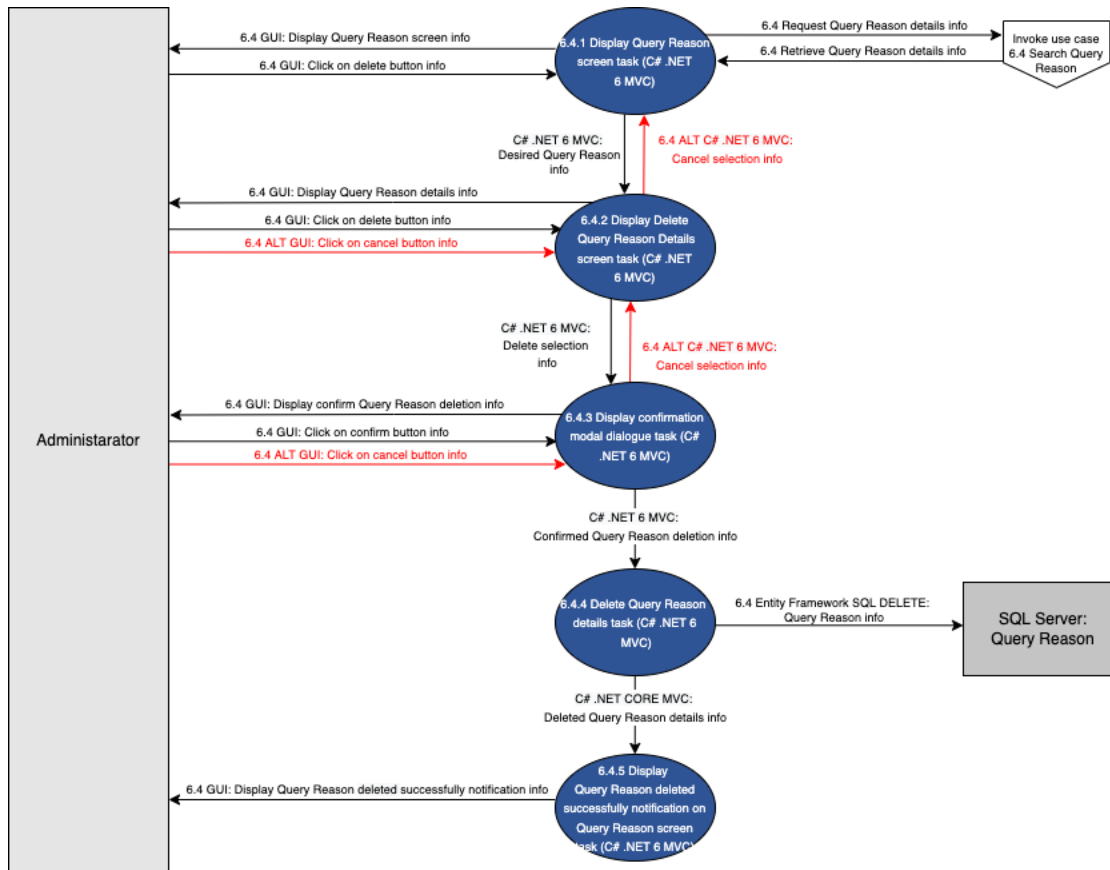


Figure 61- 6.4 Delete Query Reason

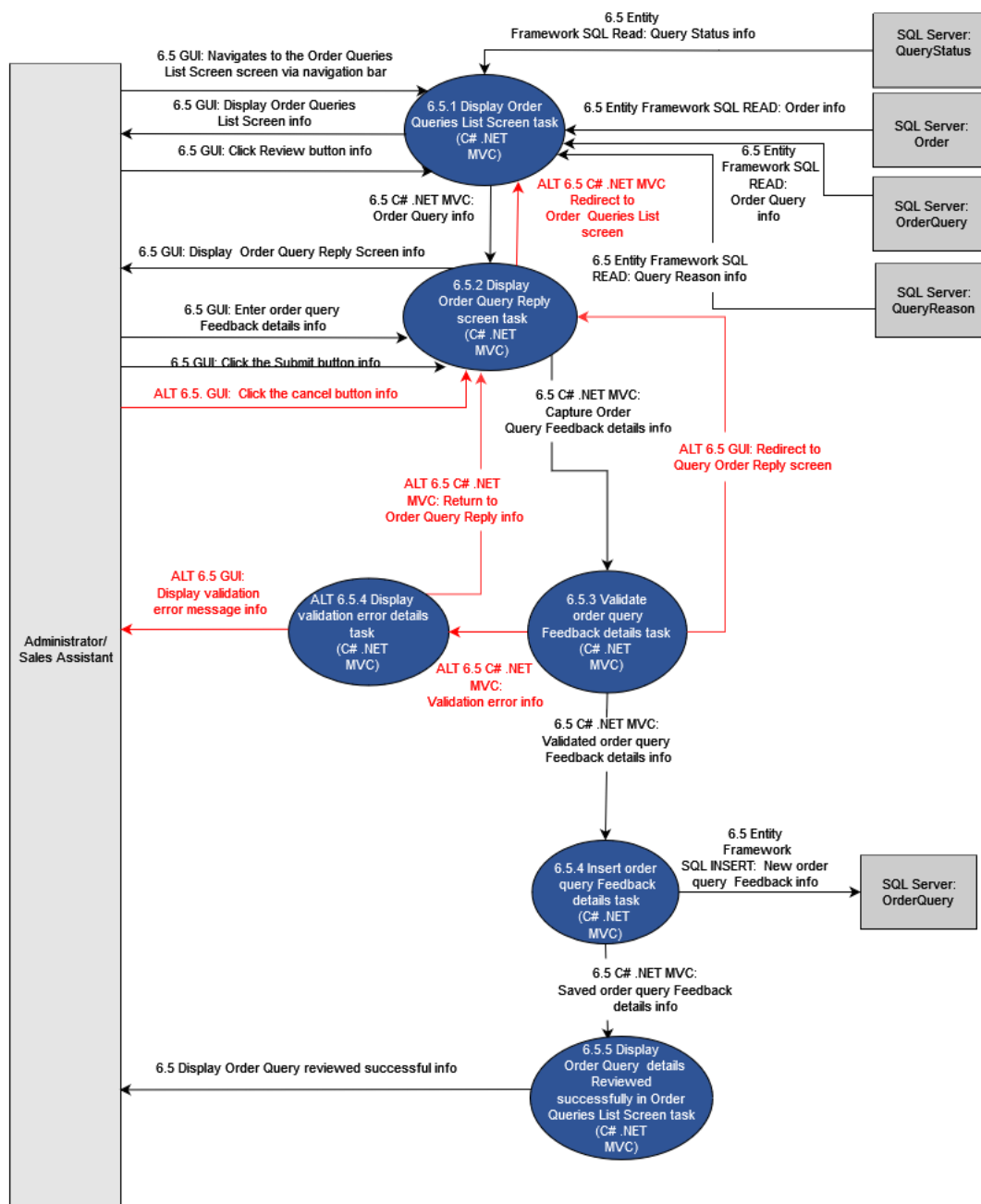


Figure 62- 6.5 Review Order Query

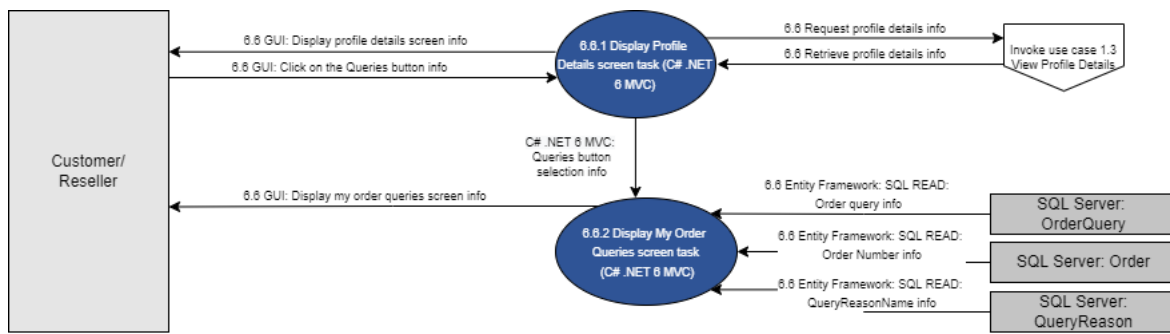


Figure 63- 6.6 View Order Query Feedback

2.7. Review Subsystem

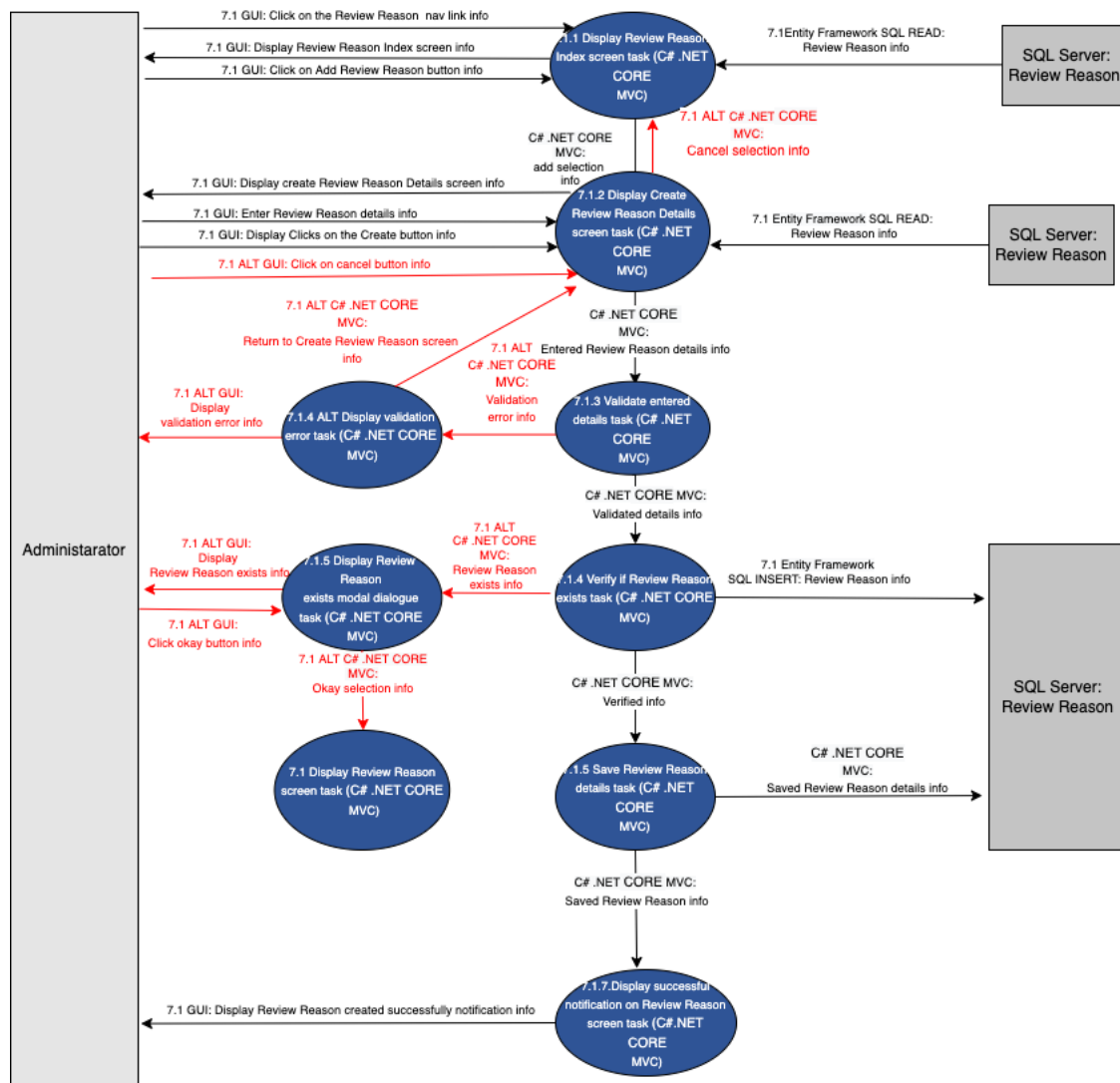


Figure 64 - 7.1 Create Review Reason

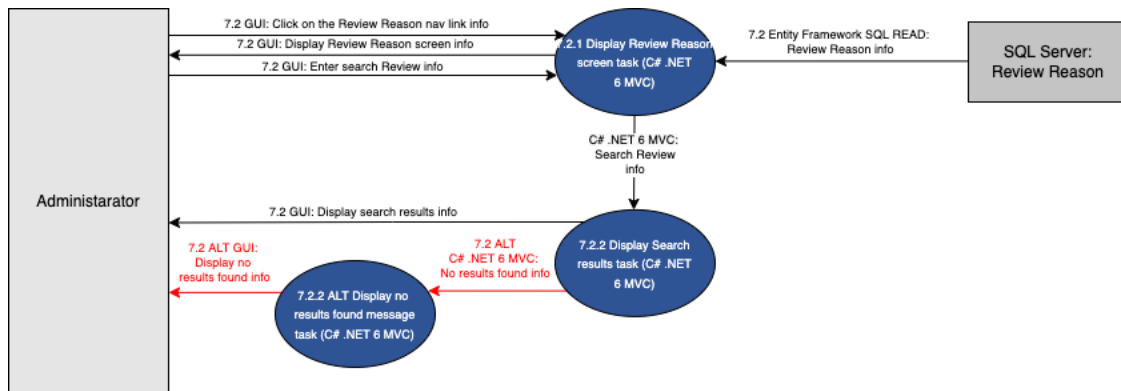


Figure 65 - 7.2 Search Review Reason

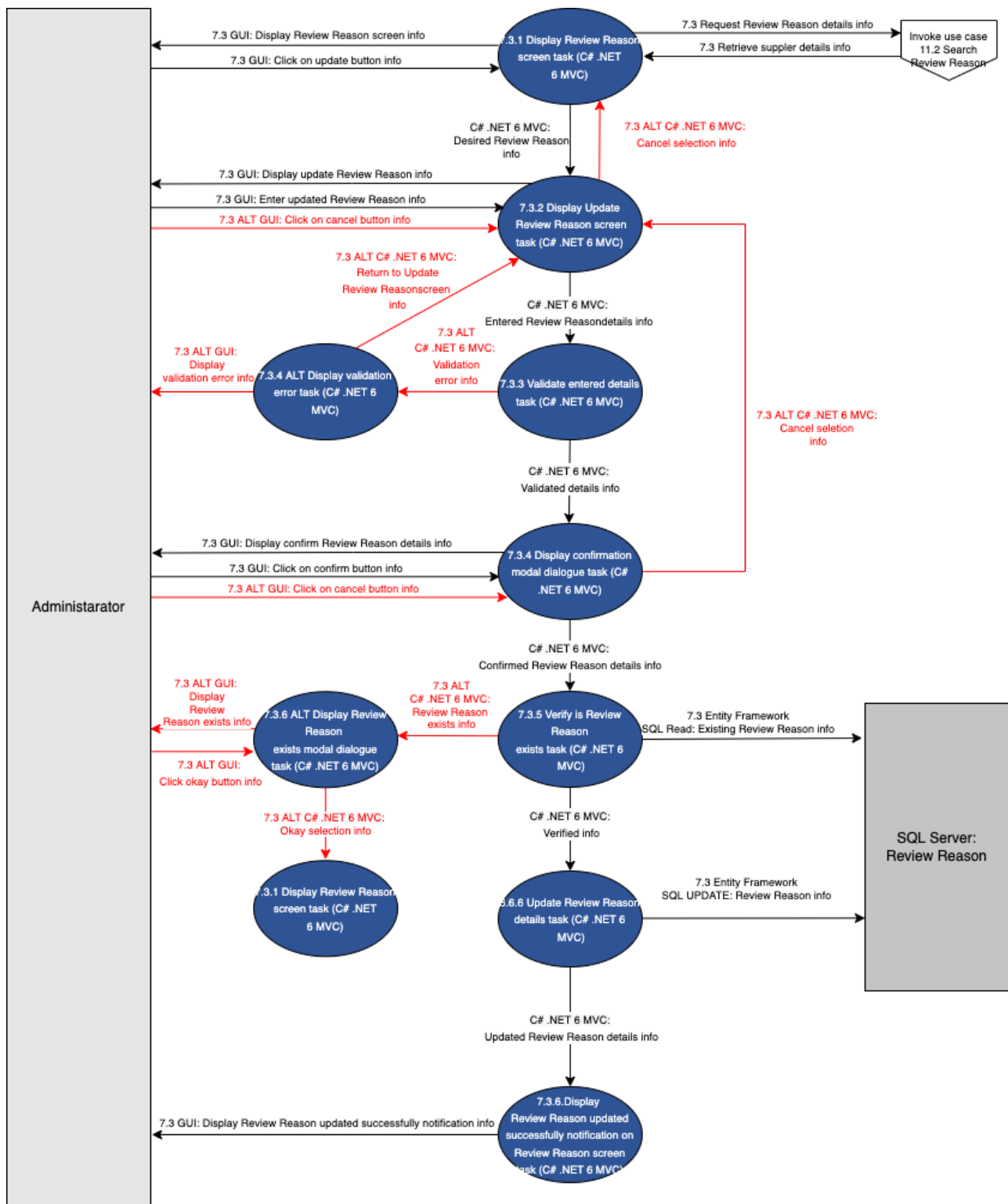


Figure 66 - 7.3 Update Review Reason

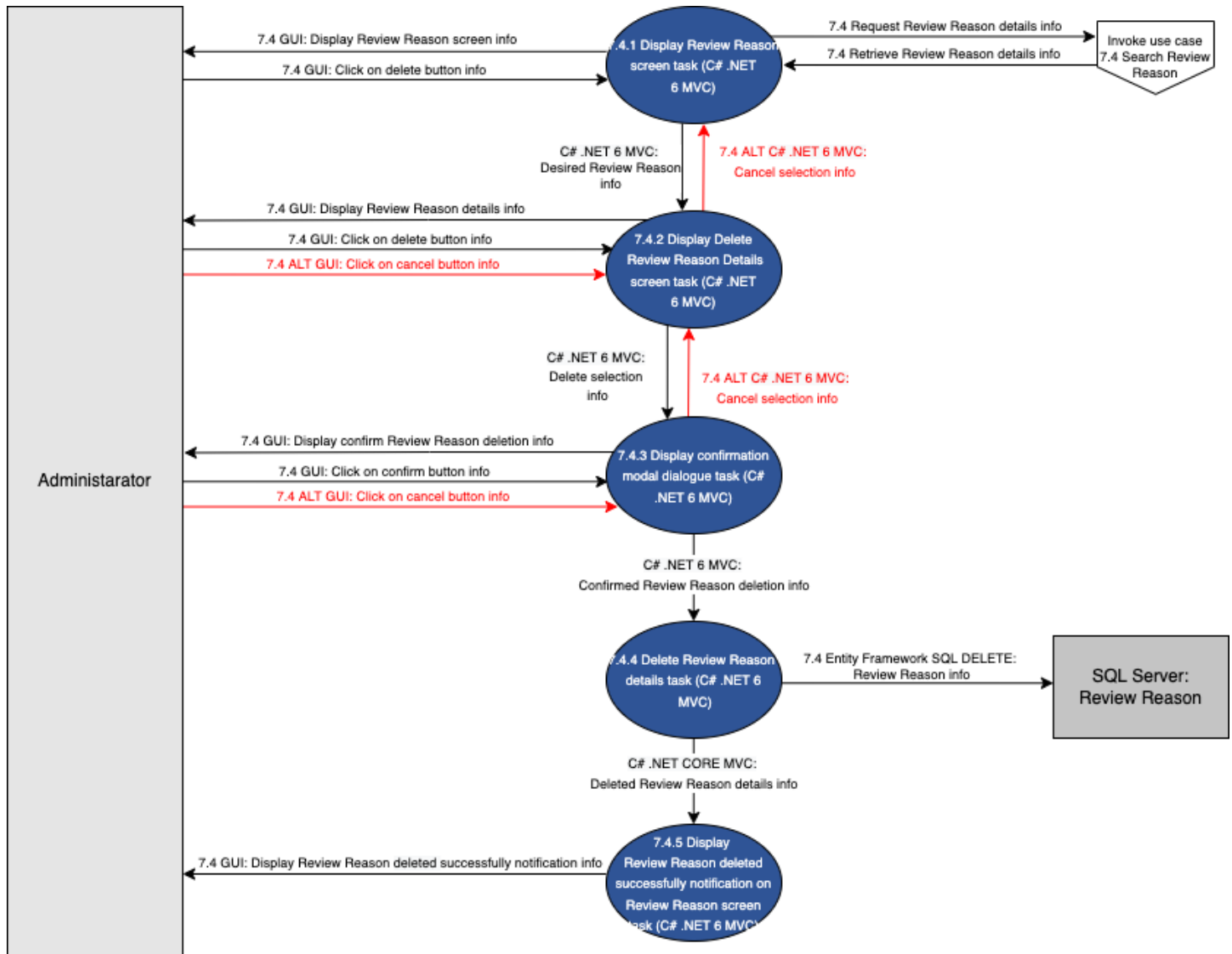


Figure 67- 7.4 Delete Review Reason

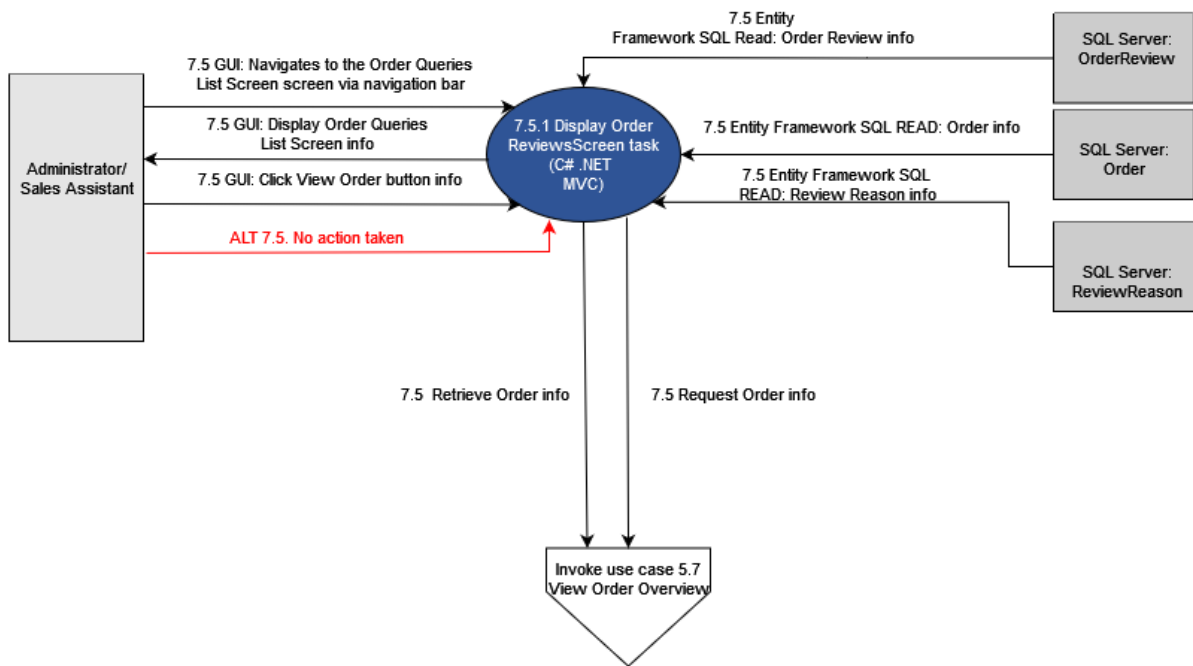


Figure 68- 7.5 View Order Review

2.8. Inventory Management Subsystem

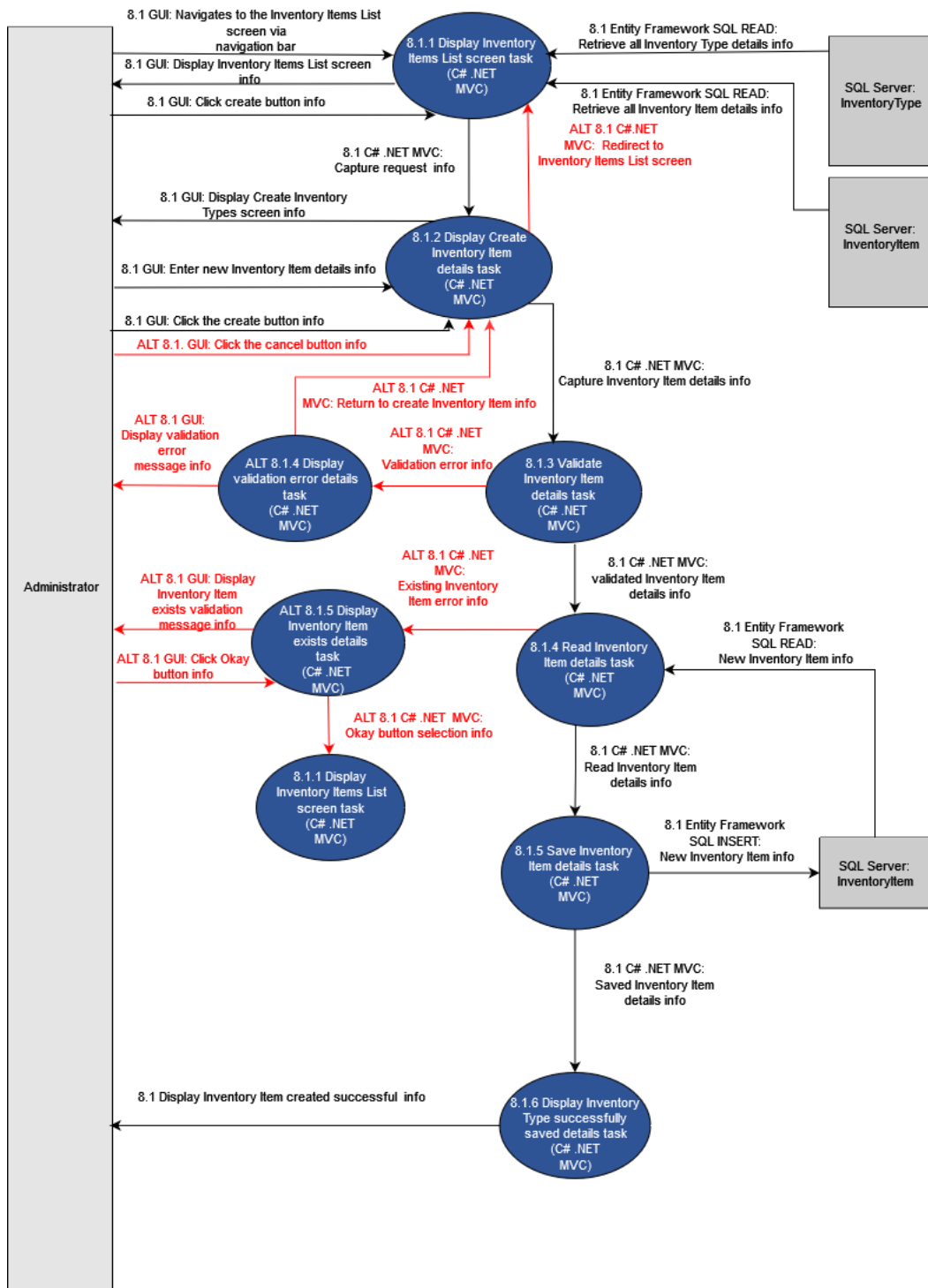


Figure 69 -8.1 Add Inventory Item

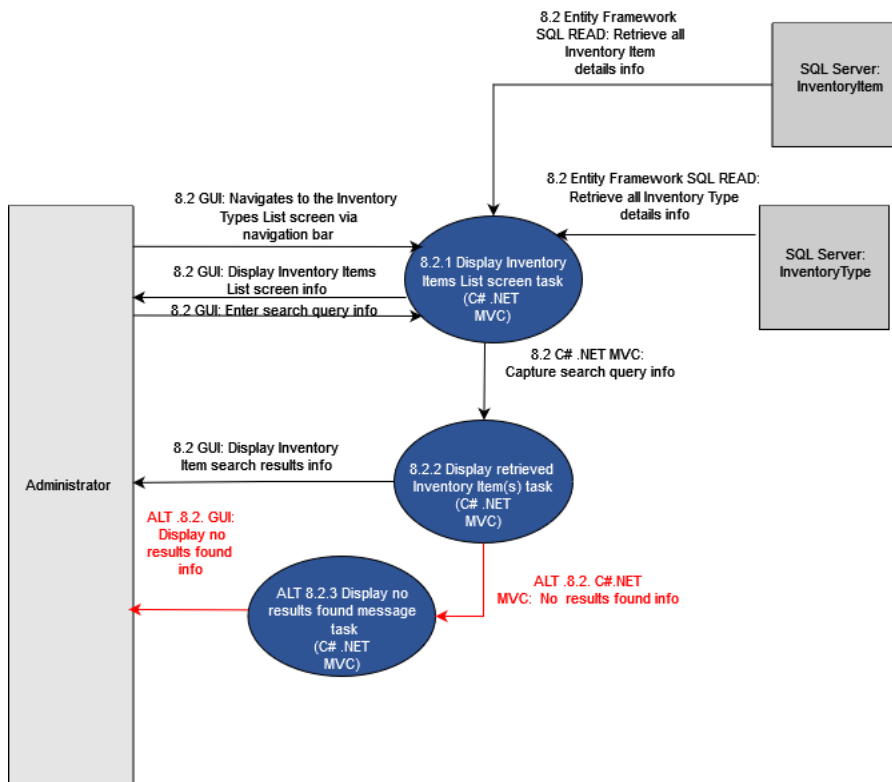


Figure 70 - 8.2 Search Inventory Item

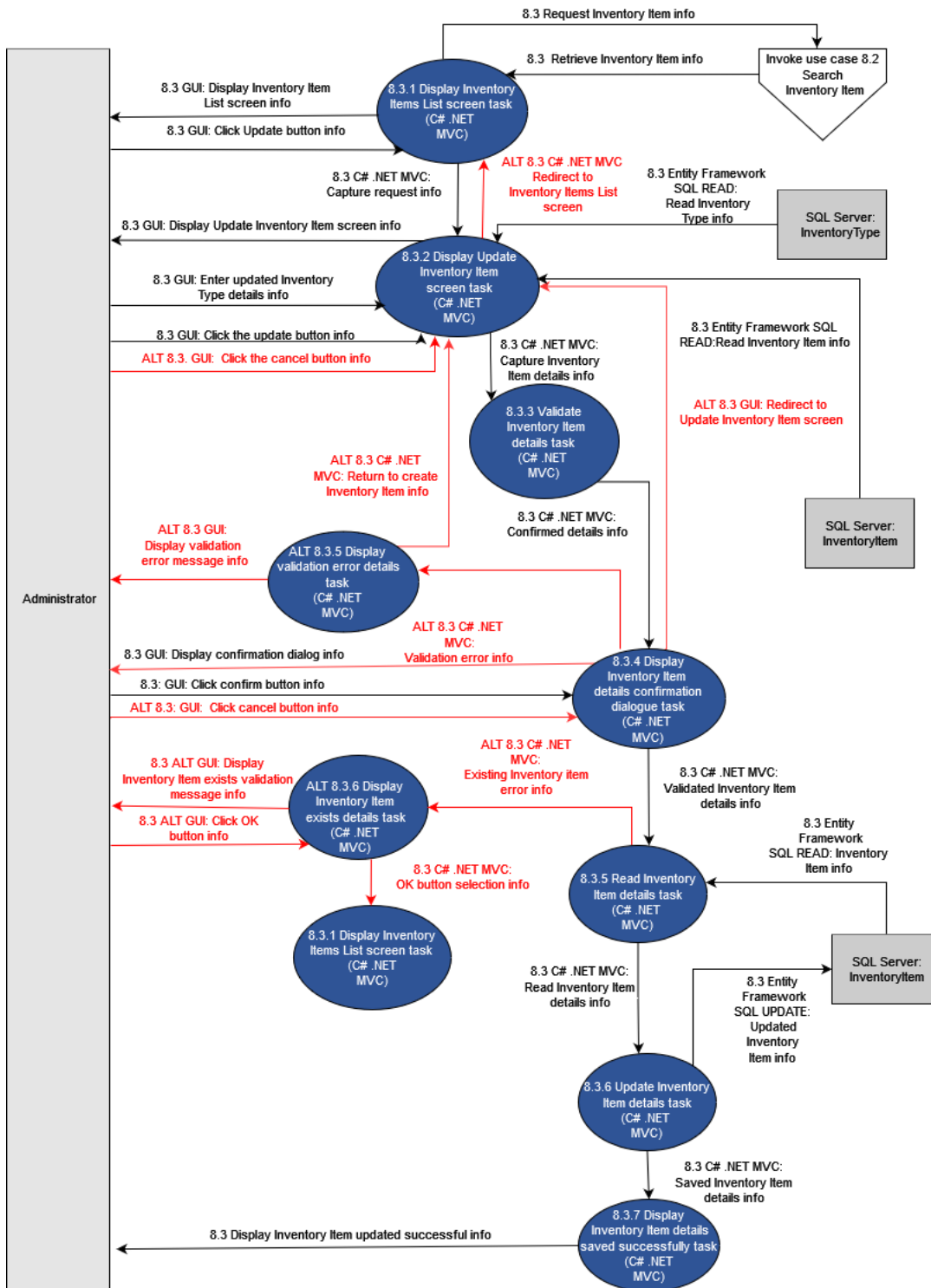


Figure 71 - 8.3 Update Inventory Item

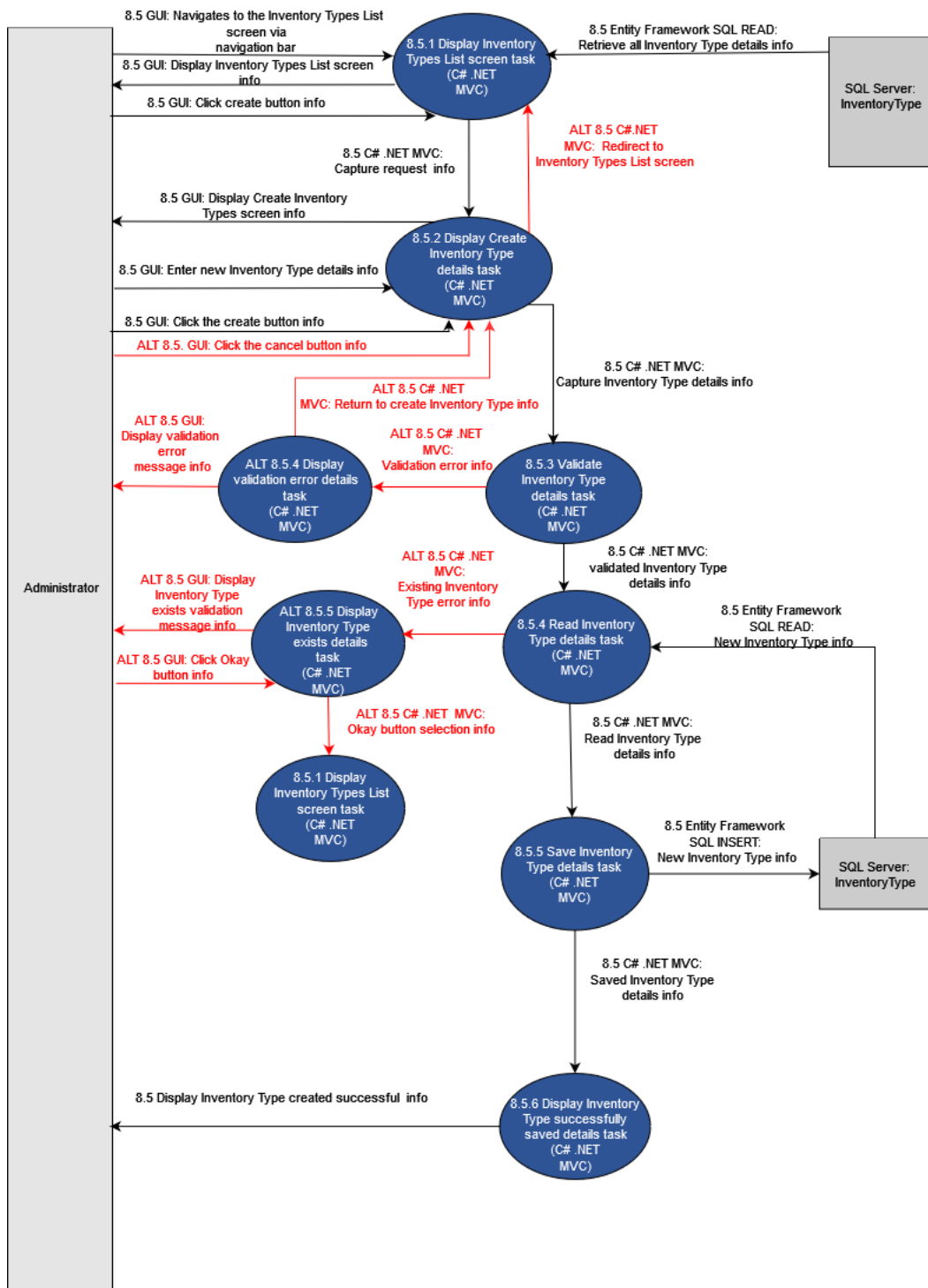


Figure 73 - 8.5 Add Inventory Type

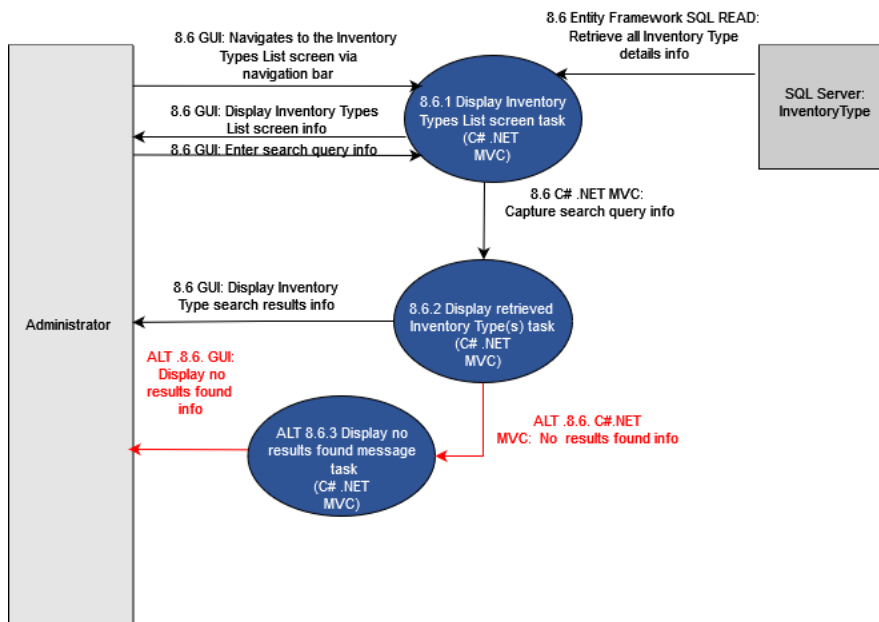


Figure 74 - 8.6 Search Inventory Type

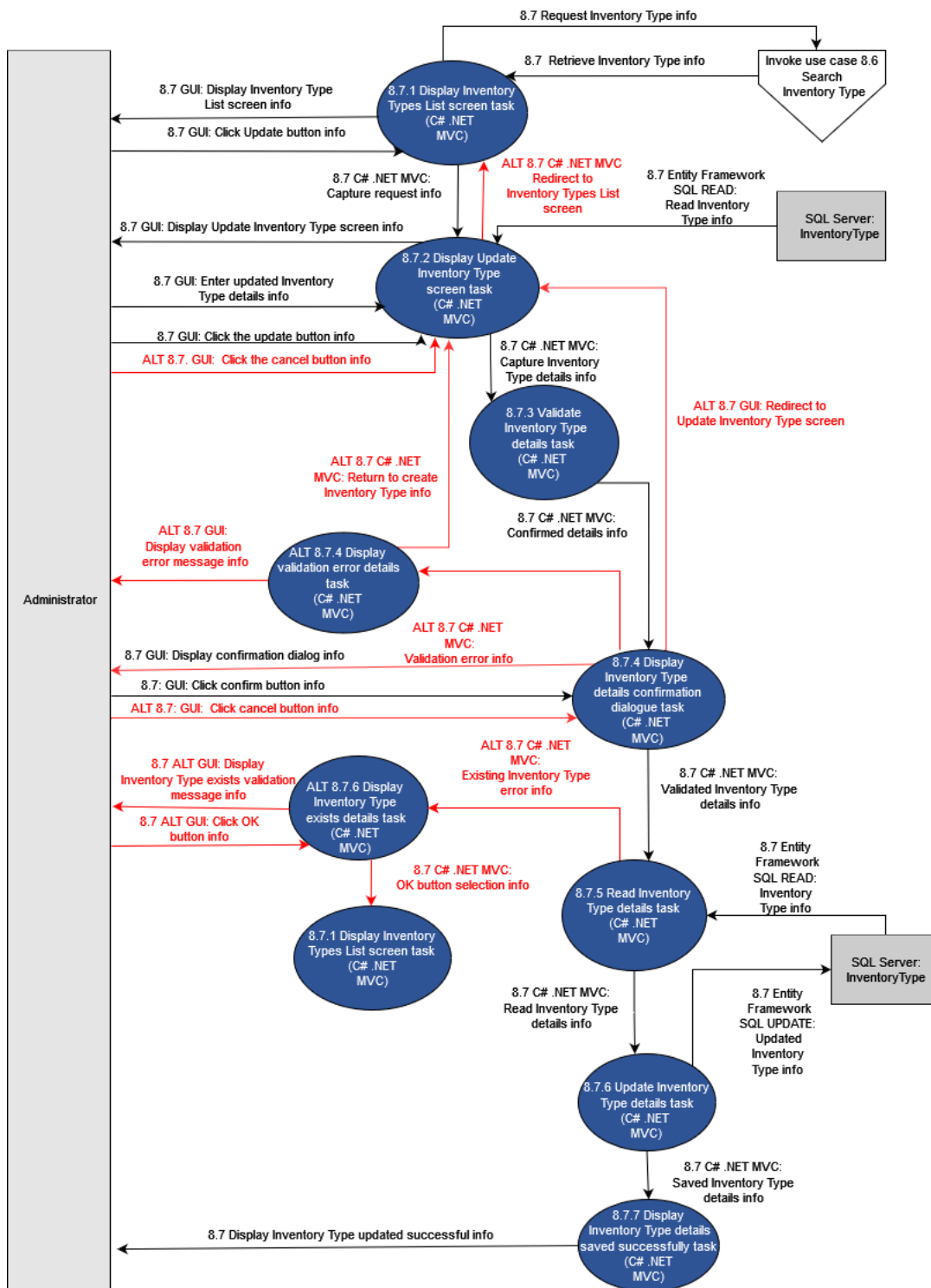


Figure 75 - 8.7 Update Inventory Type

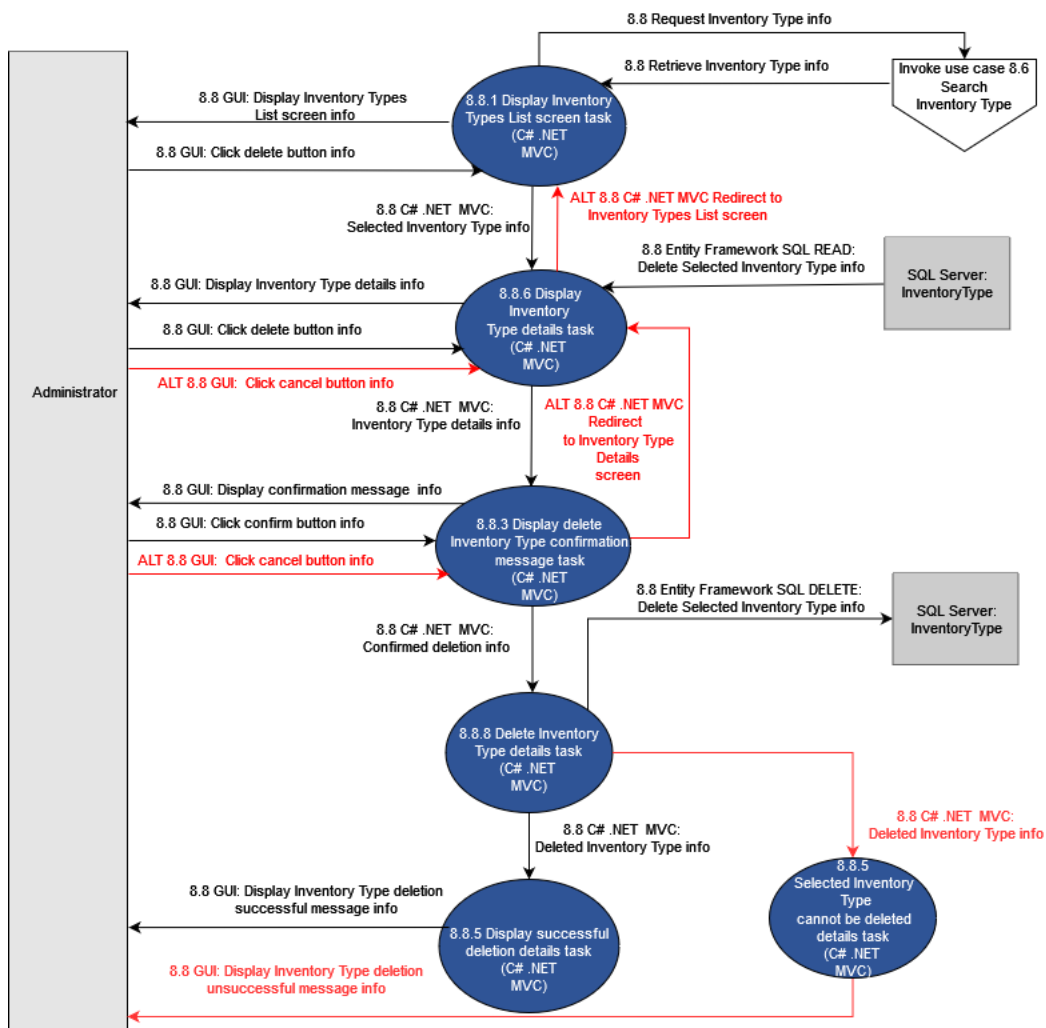


Figure 76 - 8.8 Delete Inventory Type

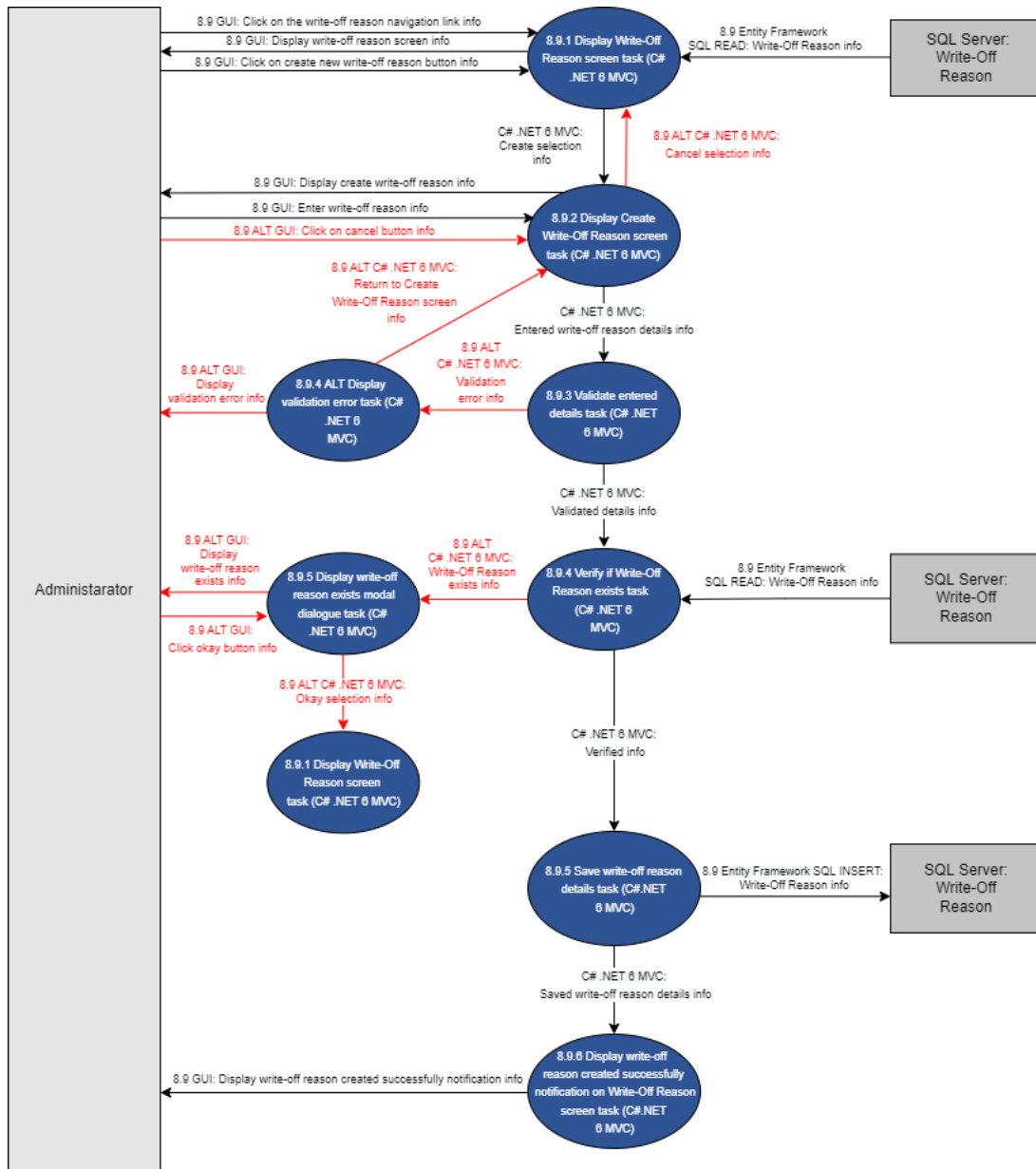


Figure 77 - 8.9 Add Write-off Reason

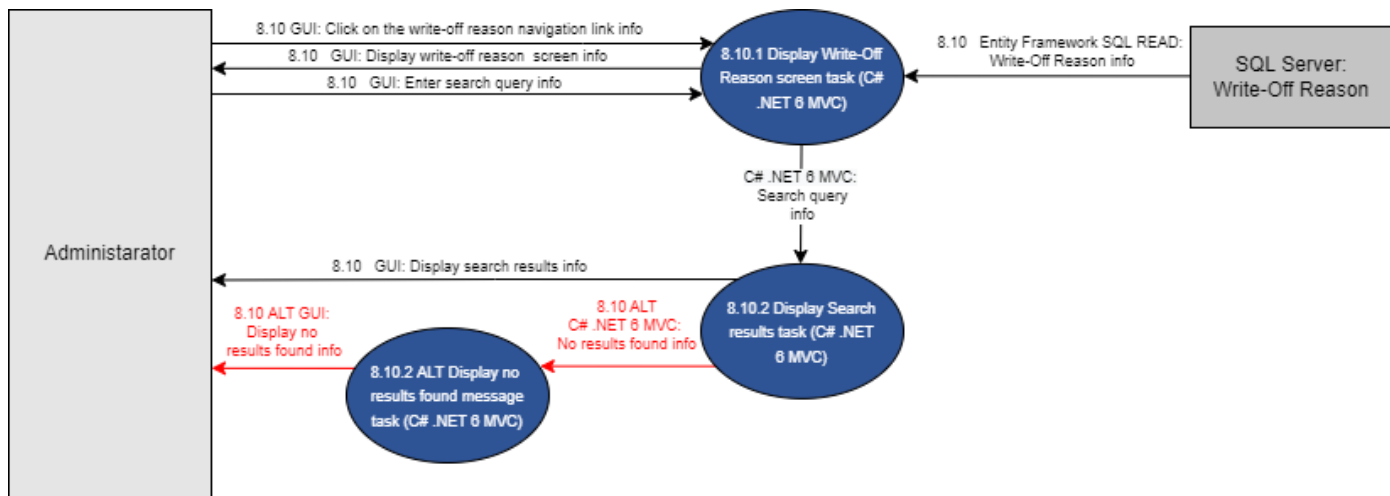


Figure 78 - 8.10 Search Write-off Reason

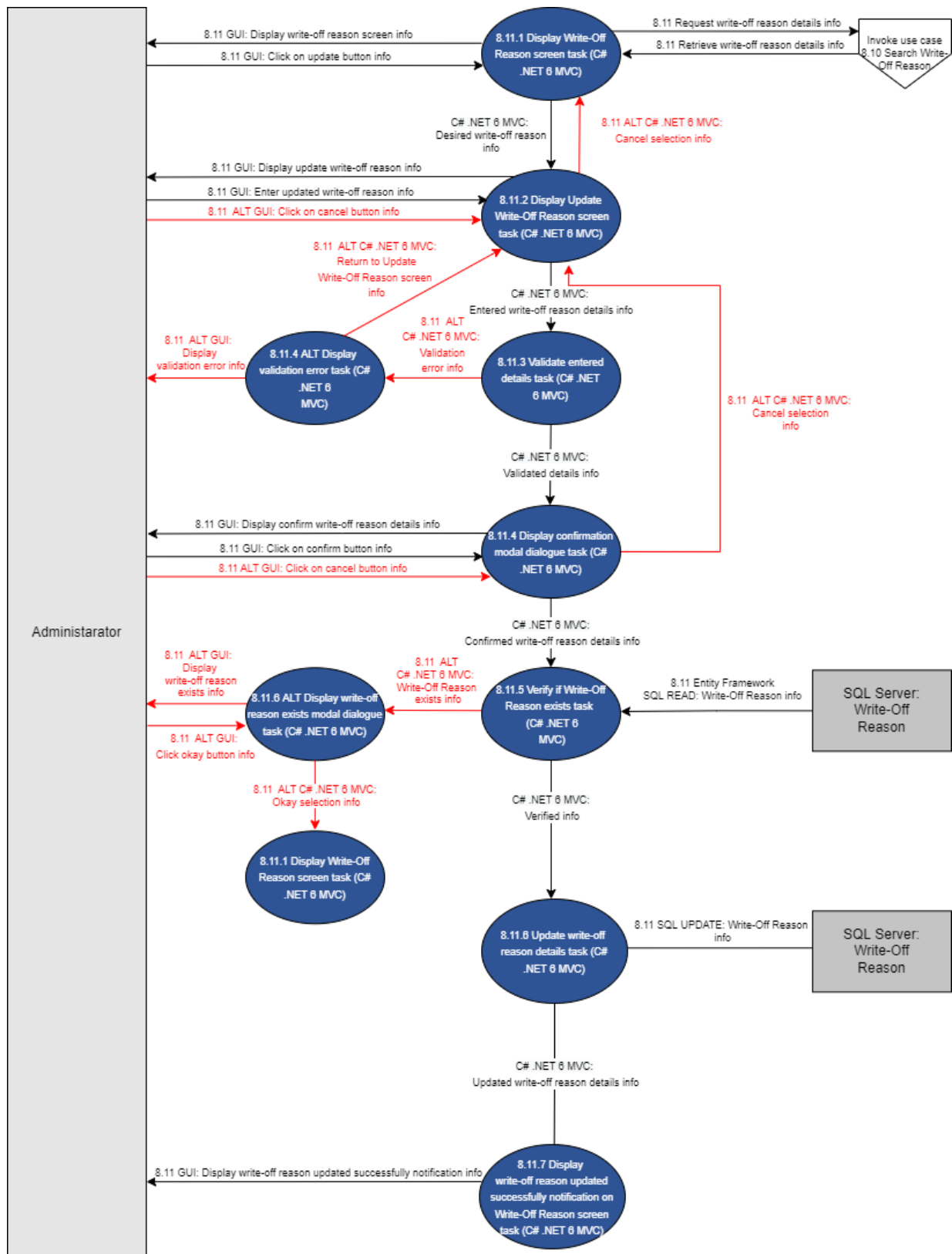


Figure 79 - 8.11 Update Write-off Reason



Figure 80 - 8.12 Delete Write-off Reason

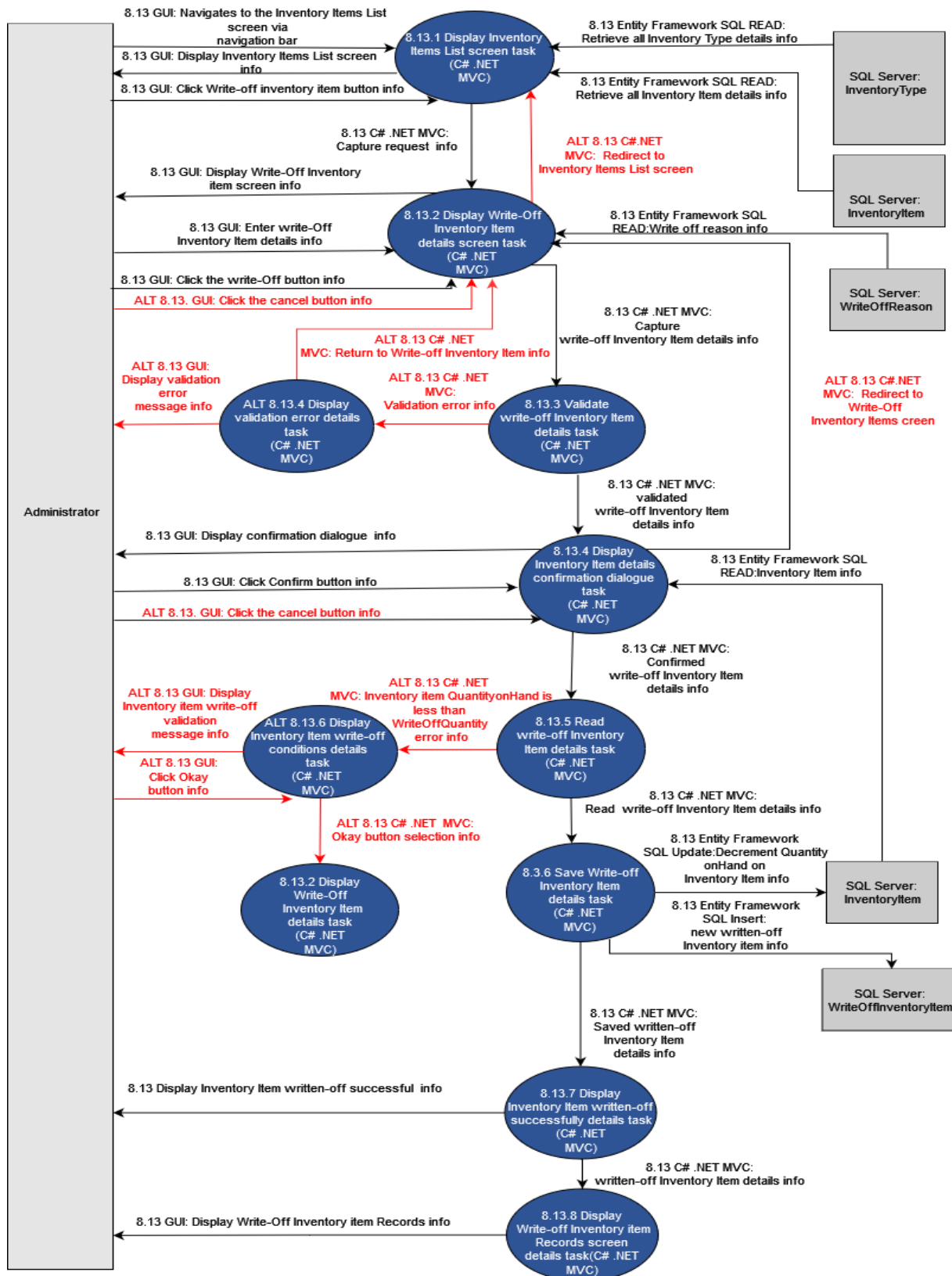


Figure 81-8.13 Write-off Inventory

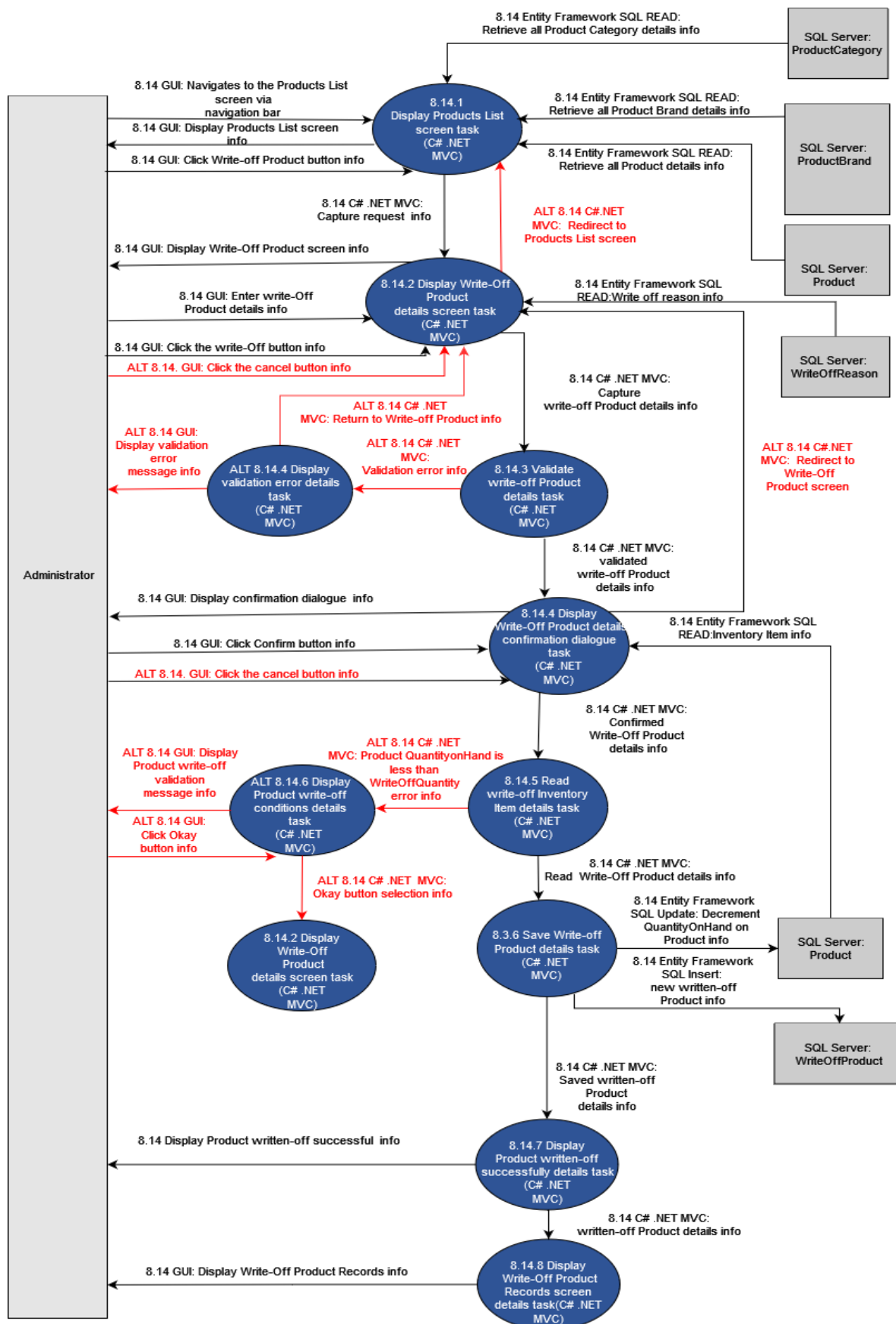


Figure 82 - 8.14 Write-off product

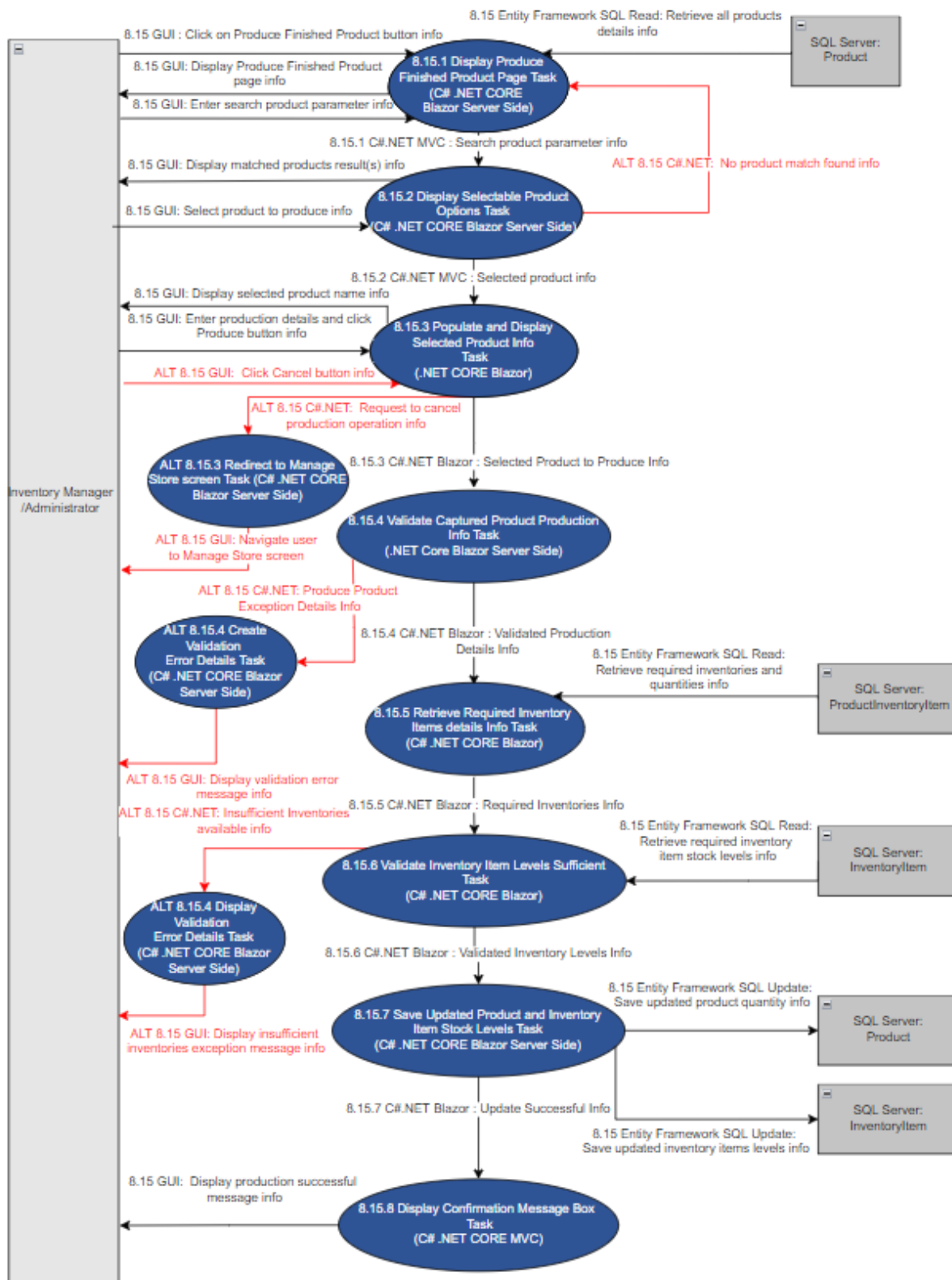


Figure 83- 8.15 Convert Inventory to Product (s)

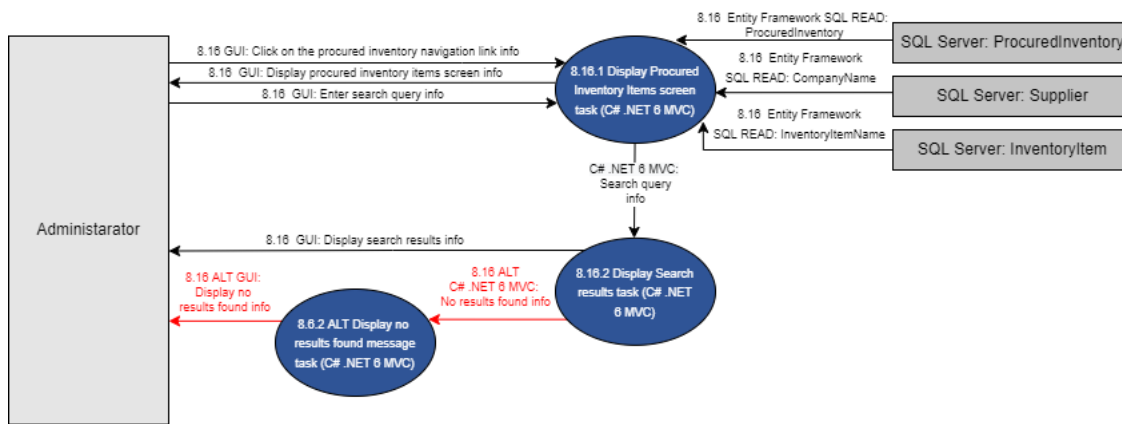


Figure 84 - 8.16 Search Procured Inventory

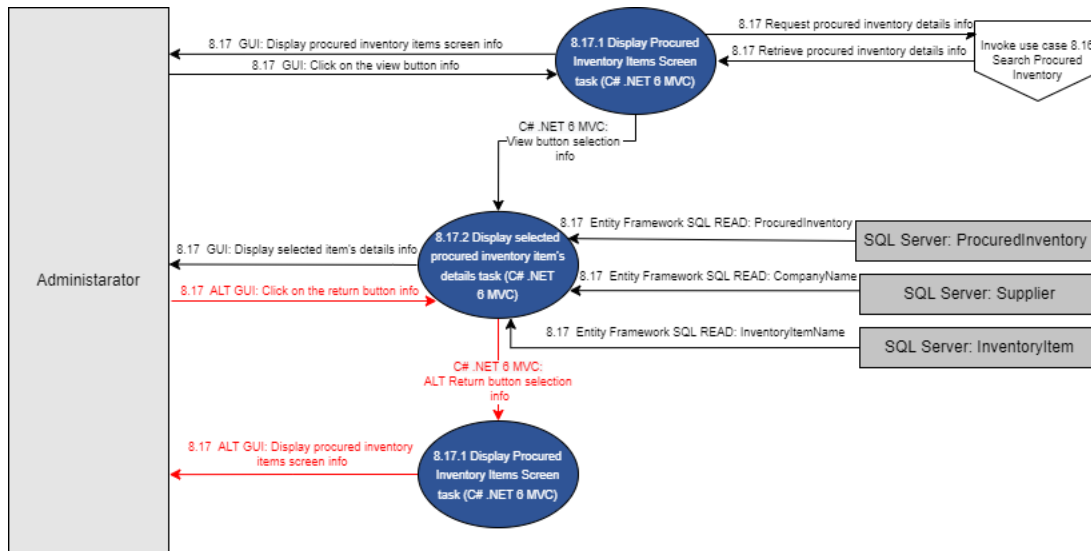


Figure 85- 8.17 View Procured Inventory Item Details

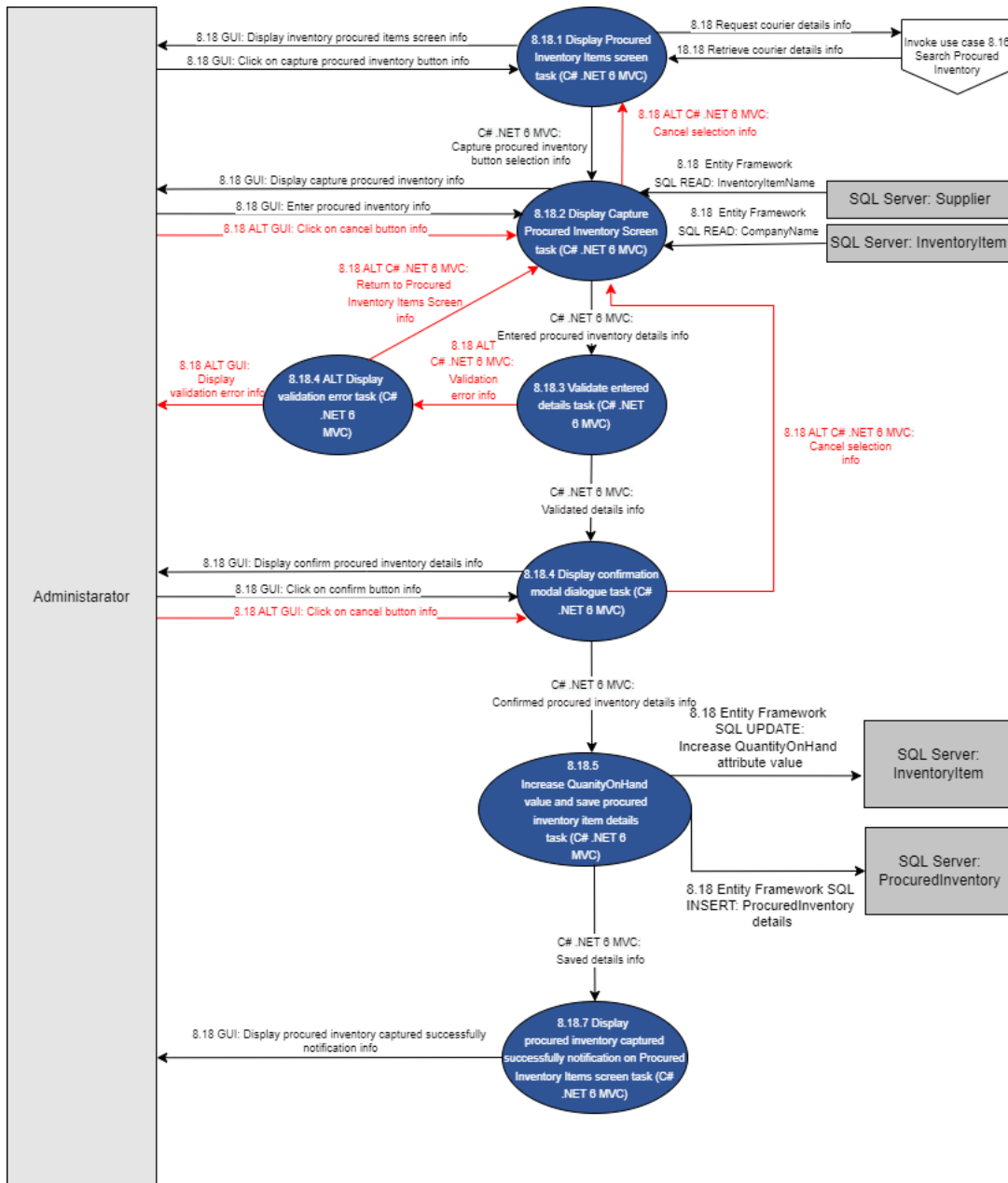


Figure 86 - 8.18 Capture Procured Inventory

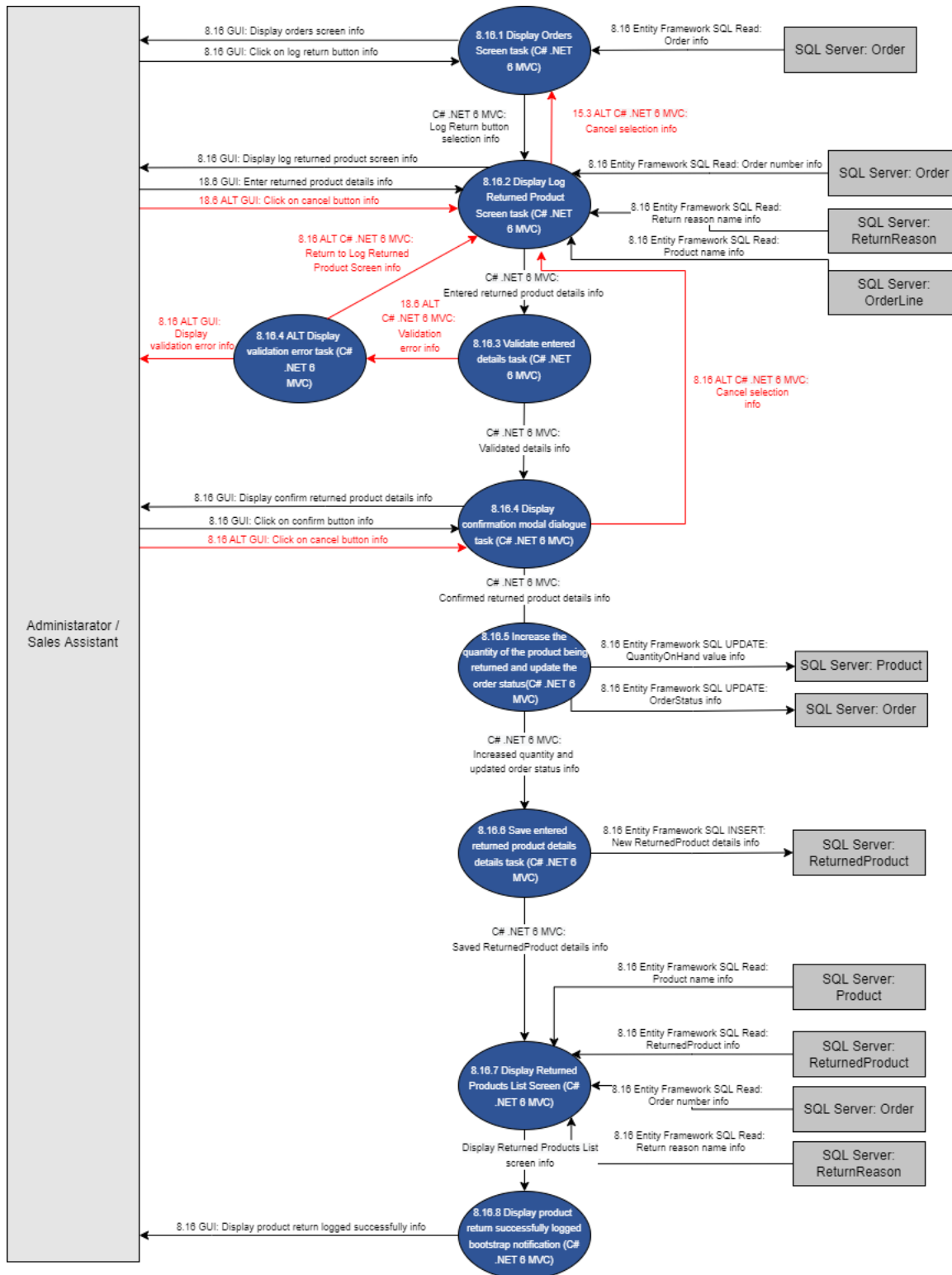


Figure 87- 8.19 Capture Returned Product

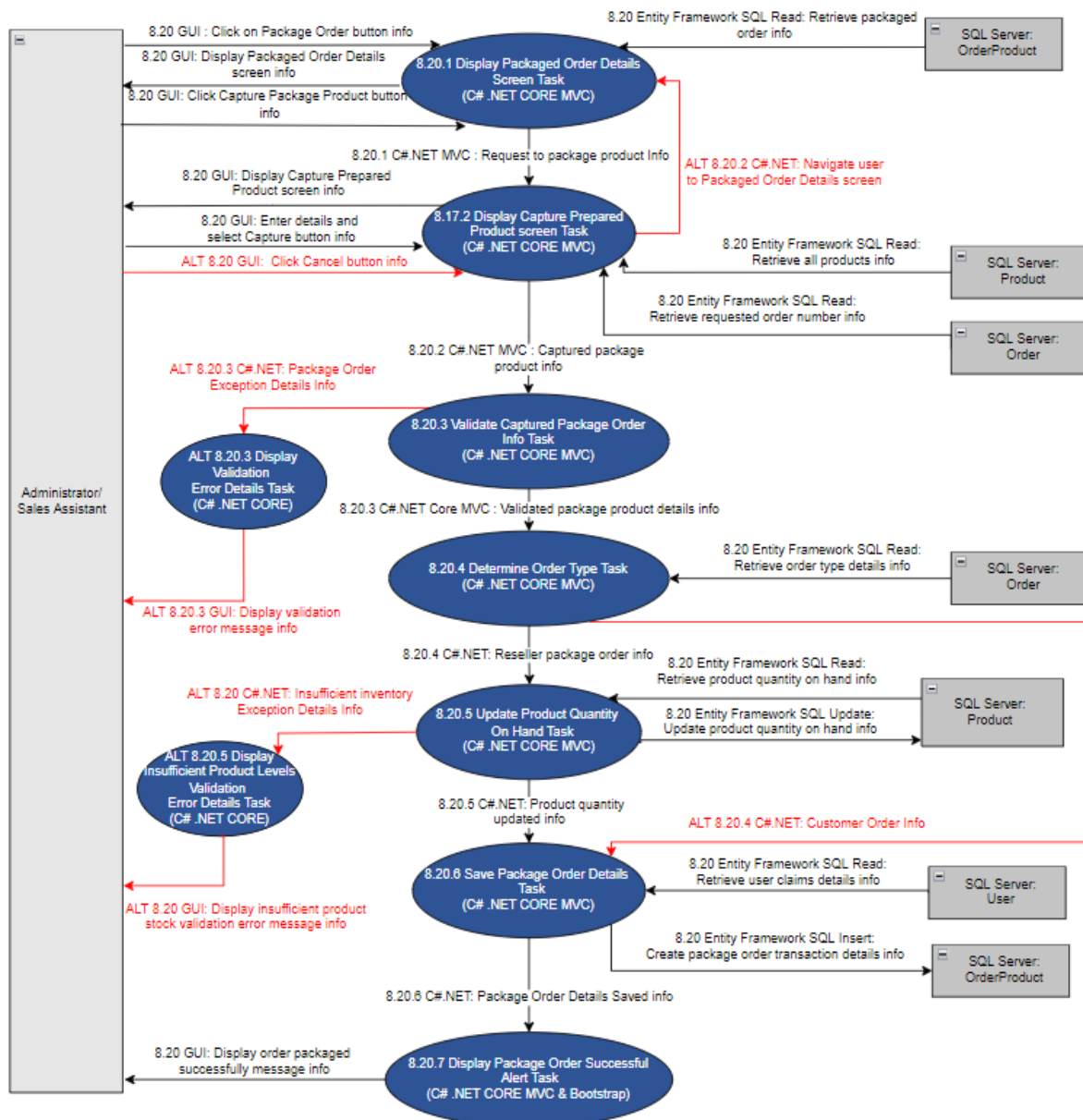


Figure 88- 8.20 Package Order

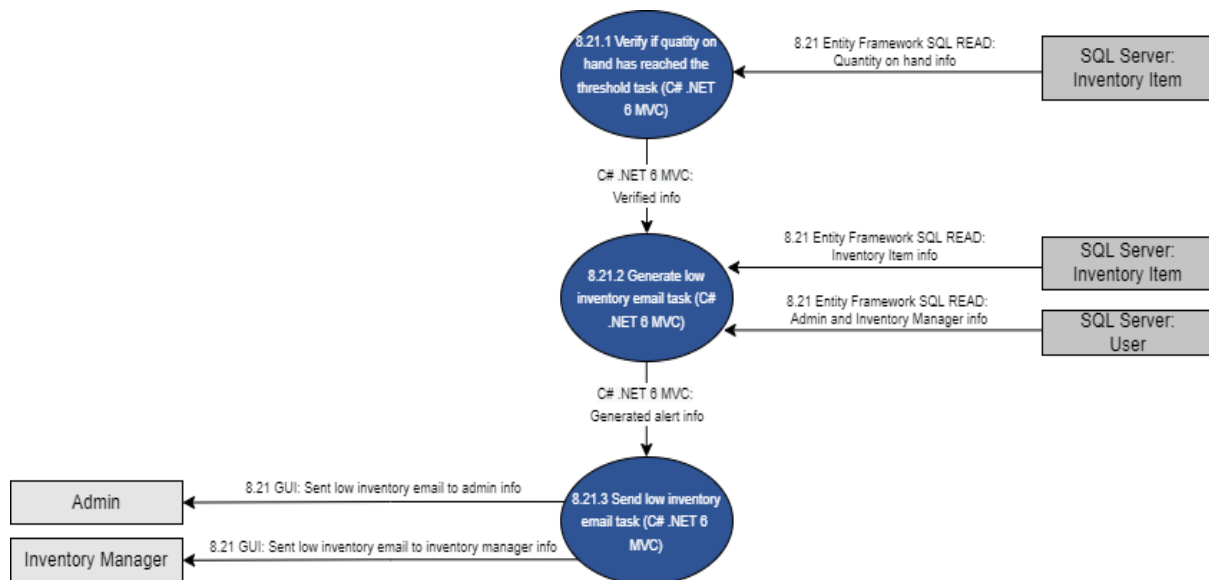


Figure 89- 8.21 Send Low Inventory Alert

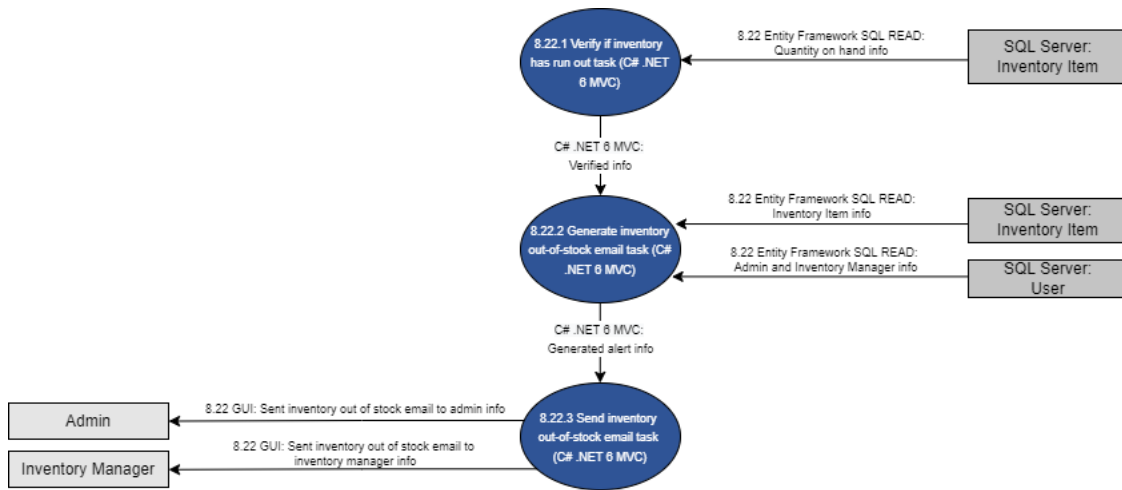


Figure 90- 8.22 Send Inventory Out of Stock Alert

2.9. Location Subsystem

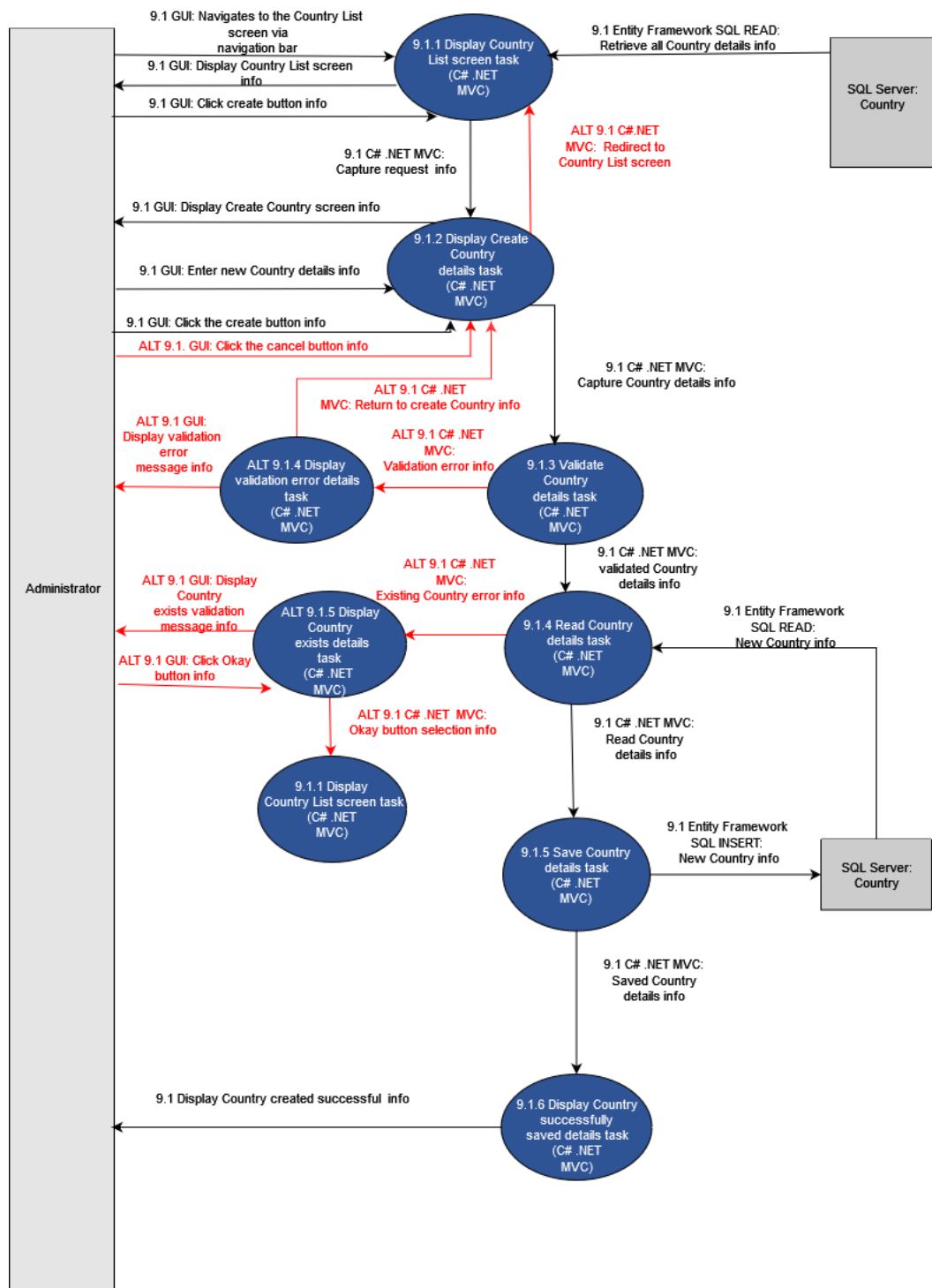


Figure 91- 9.1 Create Country

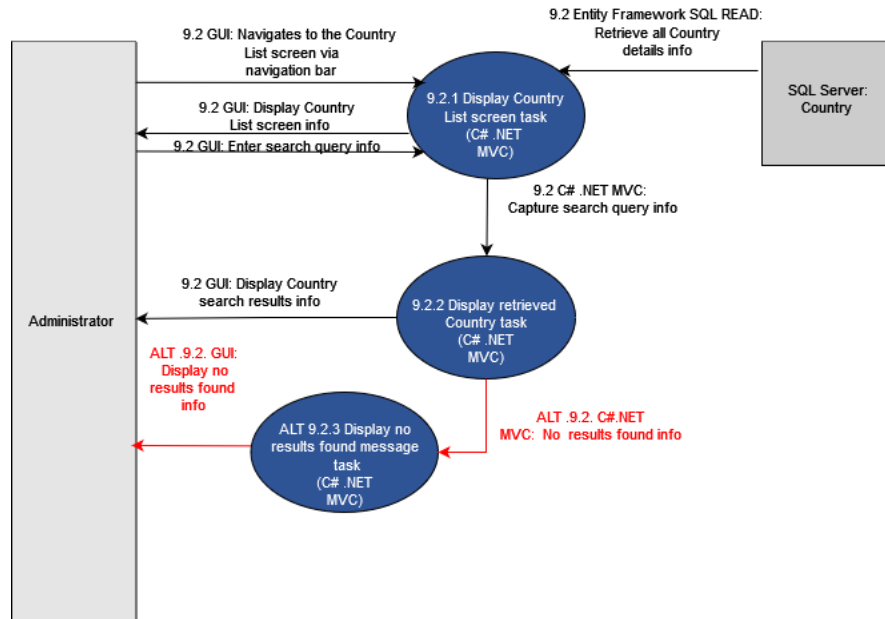


Figure 92- 9.2 Search Country

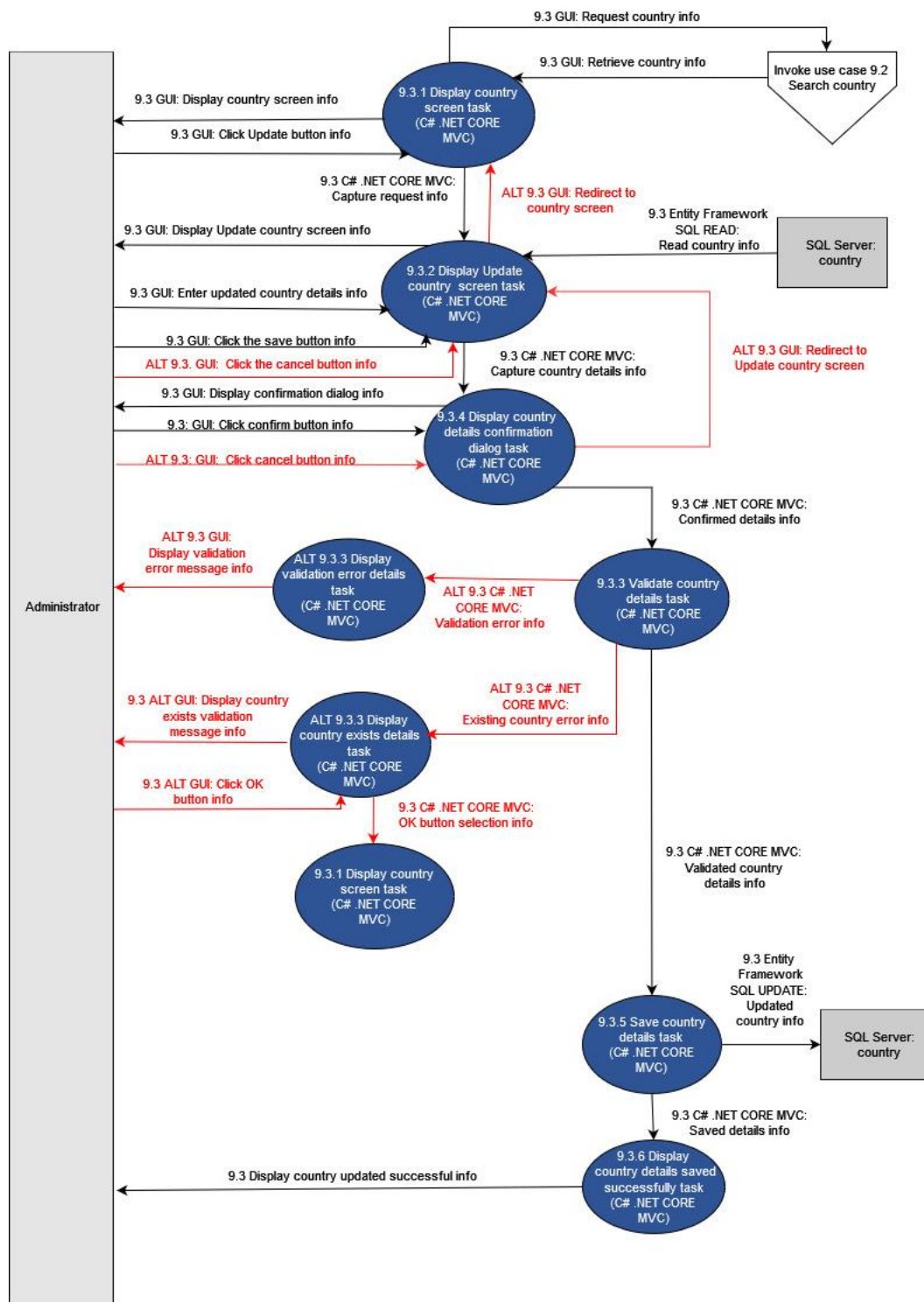


Figure 93- 9.3 Update Country

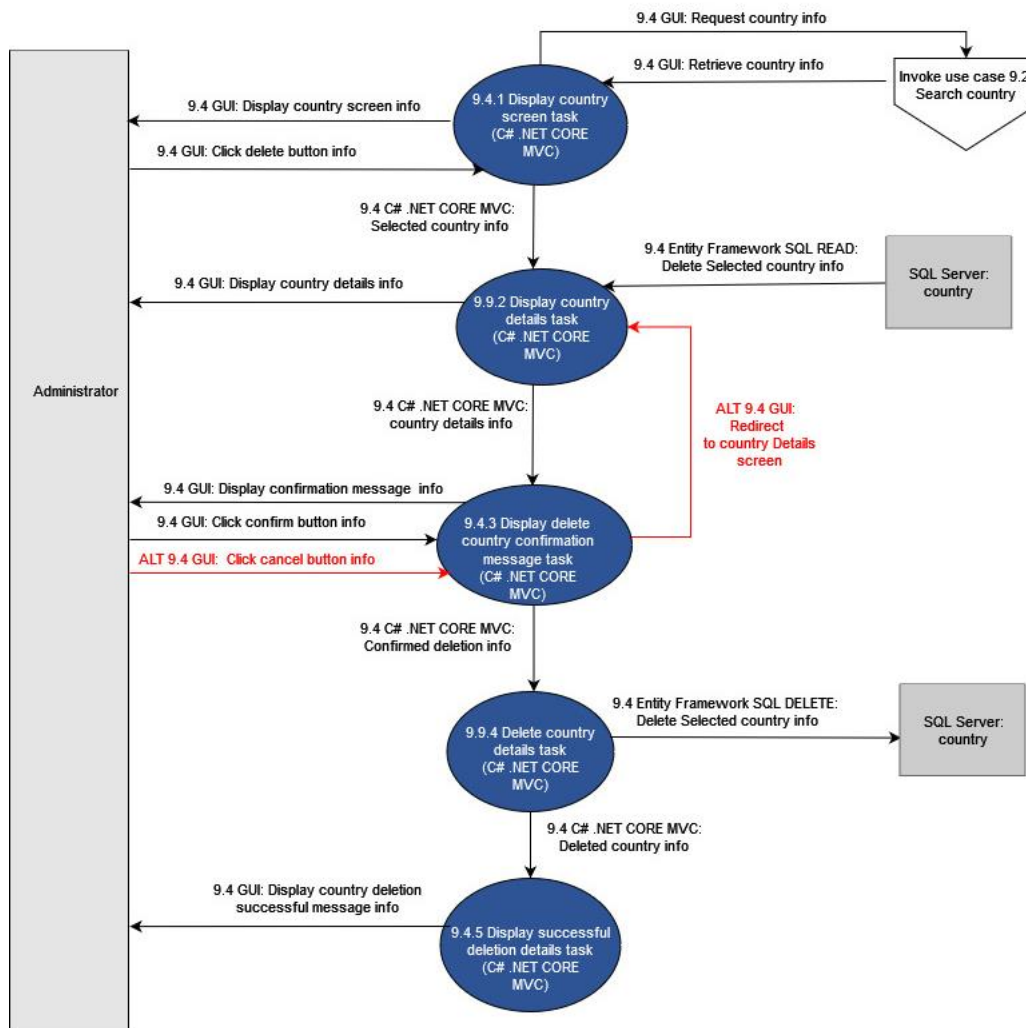


Figure 94- 9.4 Delete Country

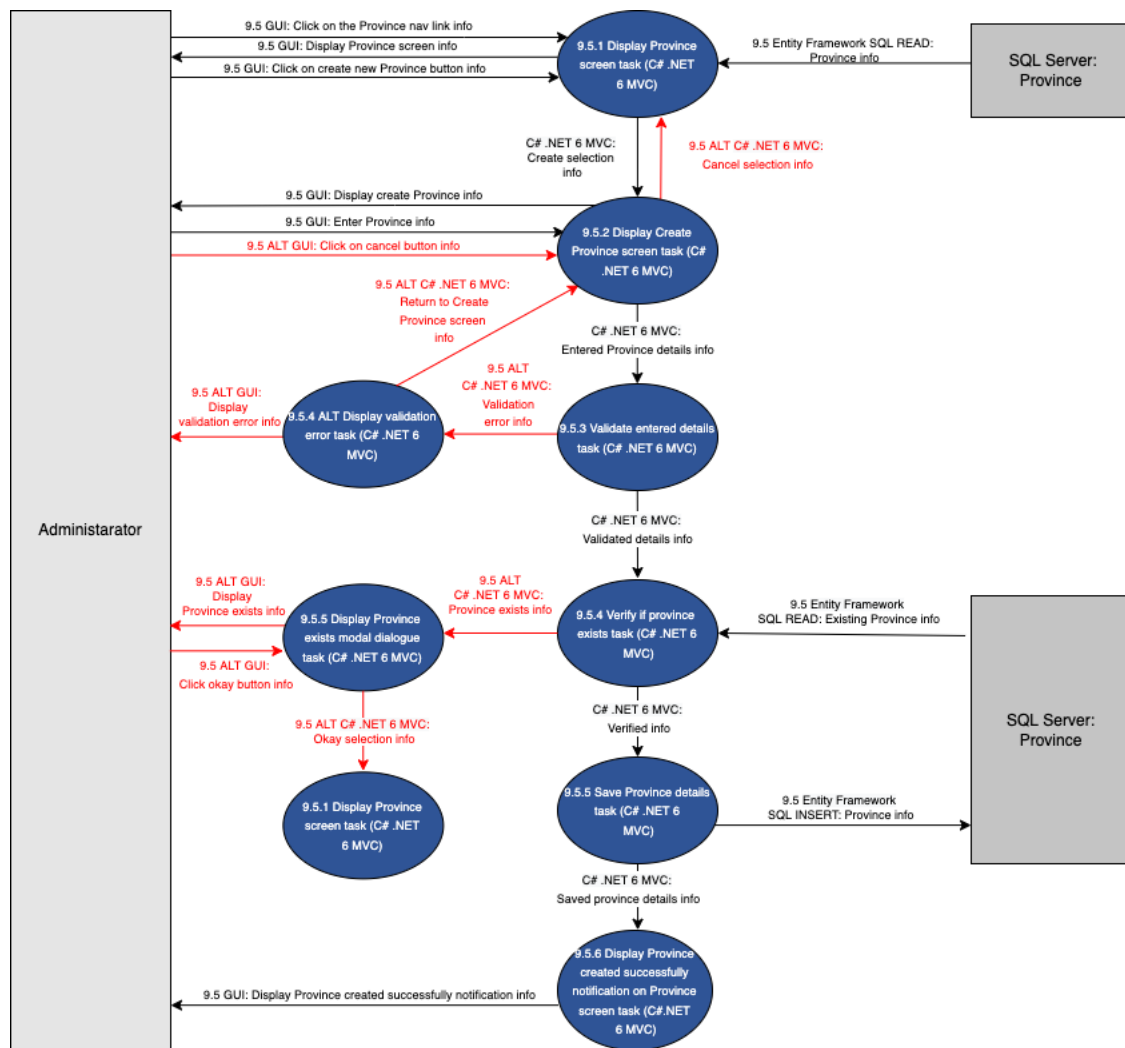


Figure 95- 9.5 Add Province

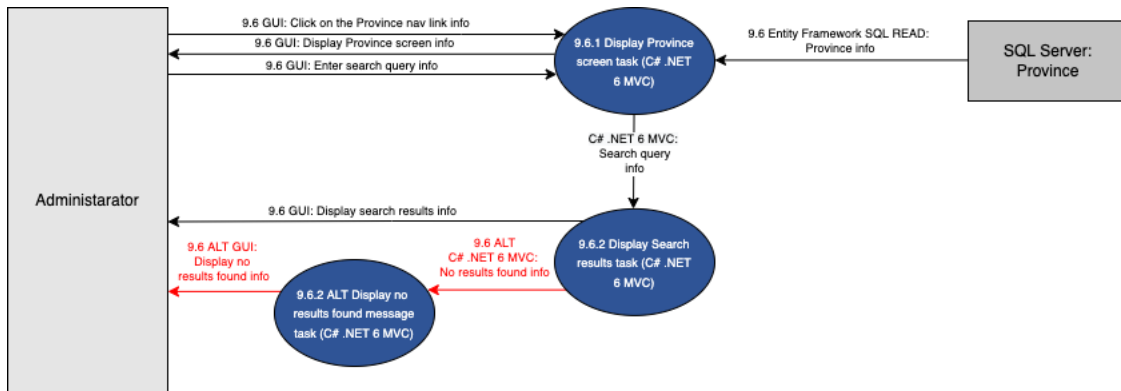


Figure 96- 9.6 Search Province

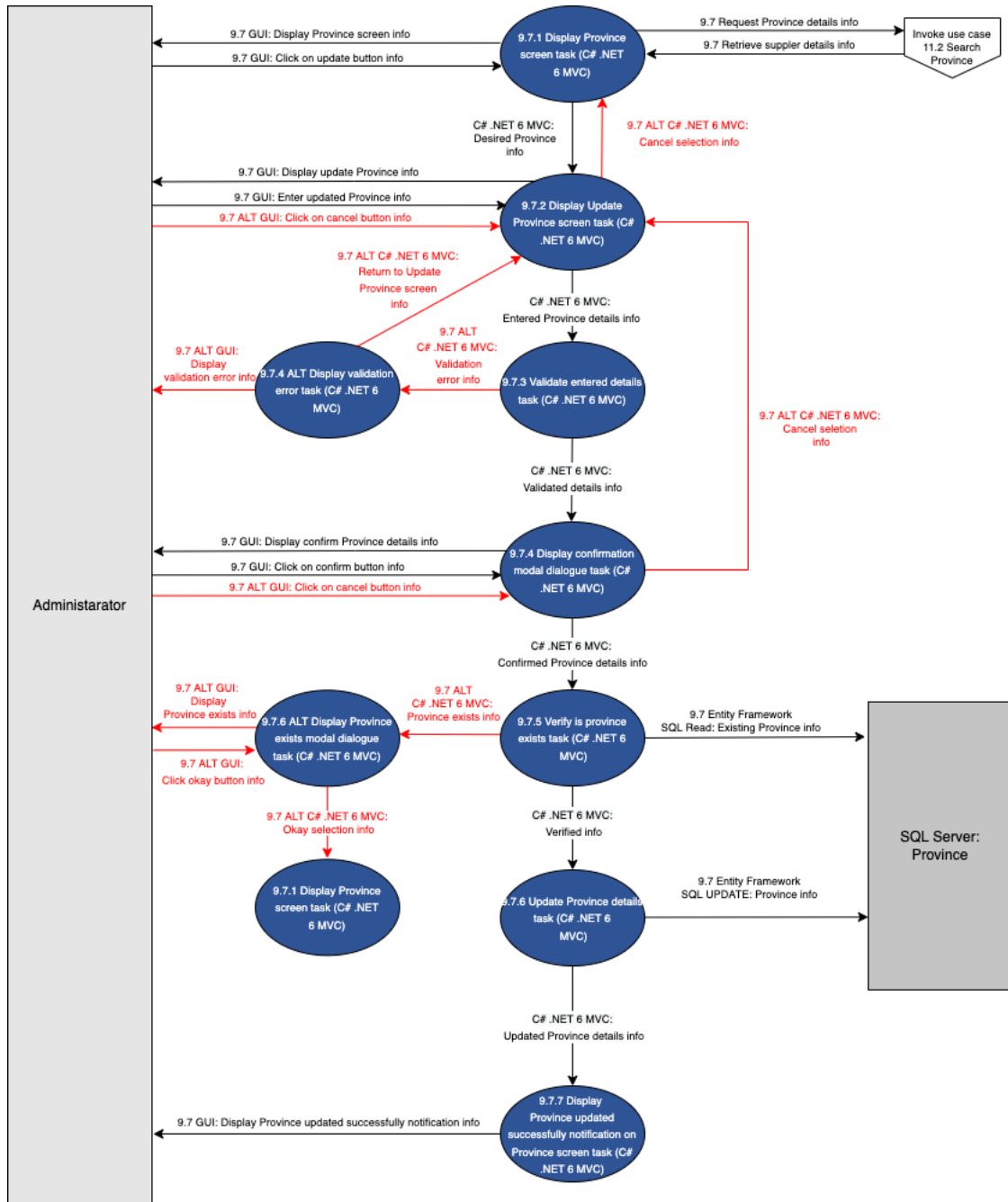


Figure 97- 9.7 Update Province

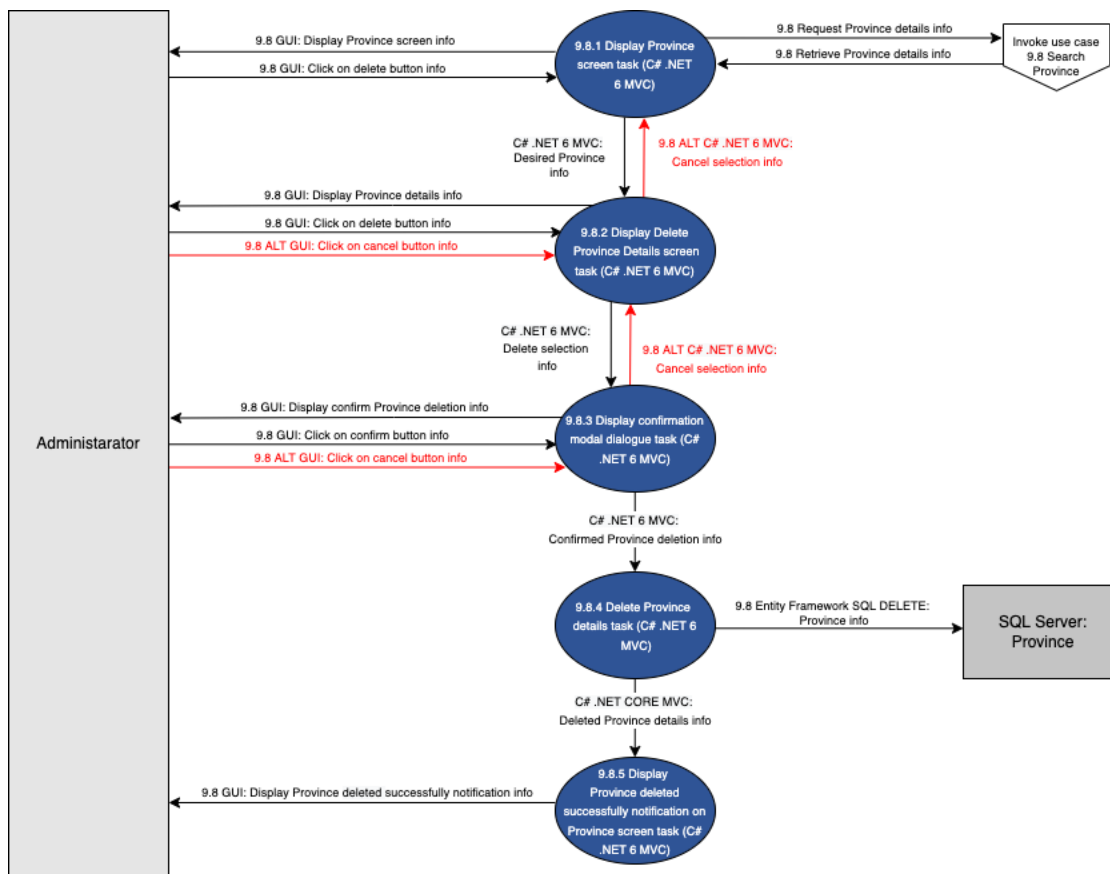


Figure 98- 9.8 Delete Province

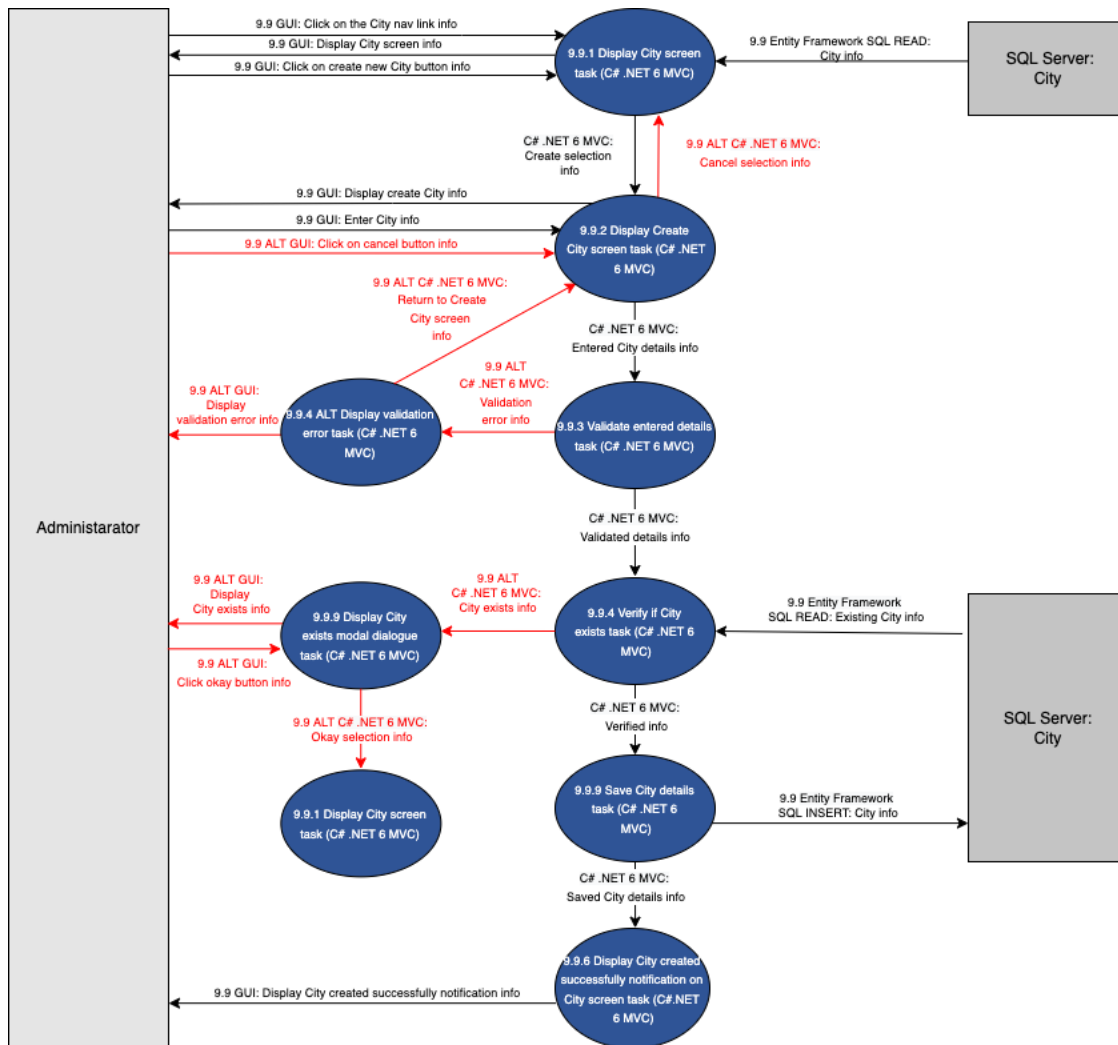


Figure 99- 9.9 Create City

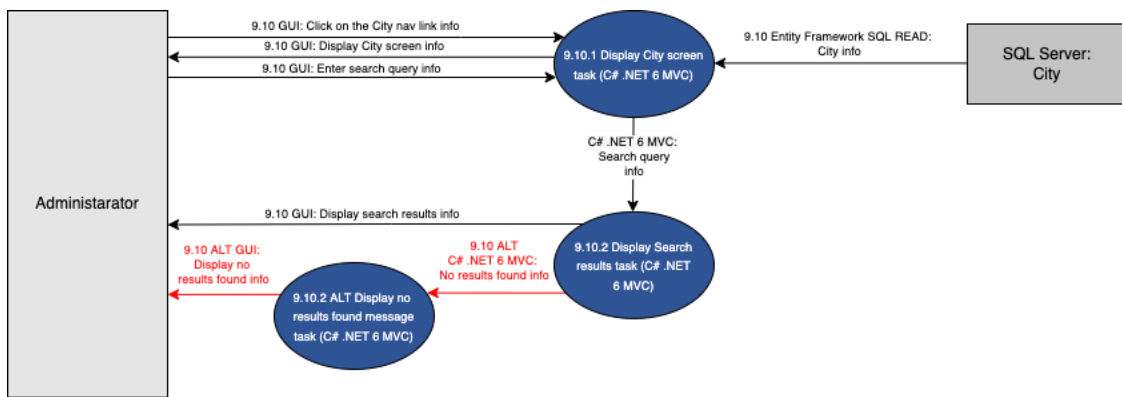


Figure 100- 9.10 Search City

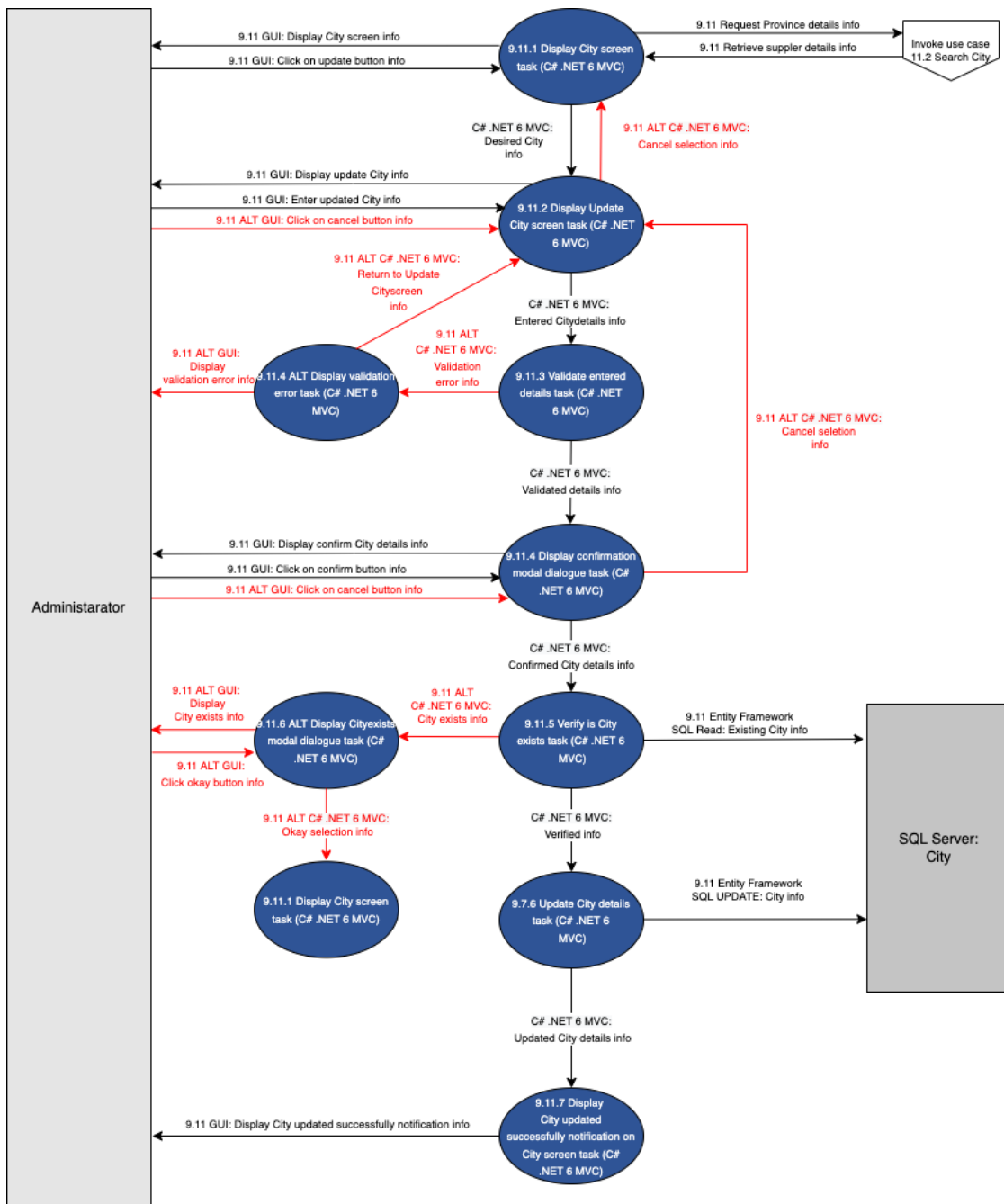


Figure 101- 9.11 Update City

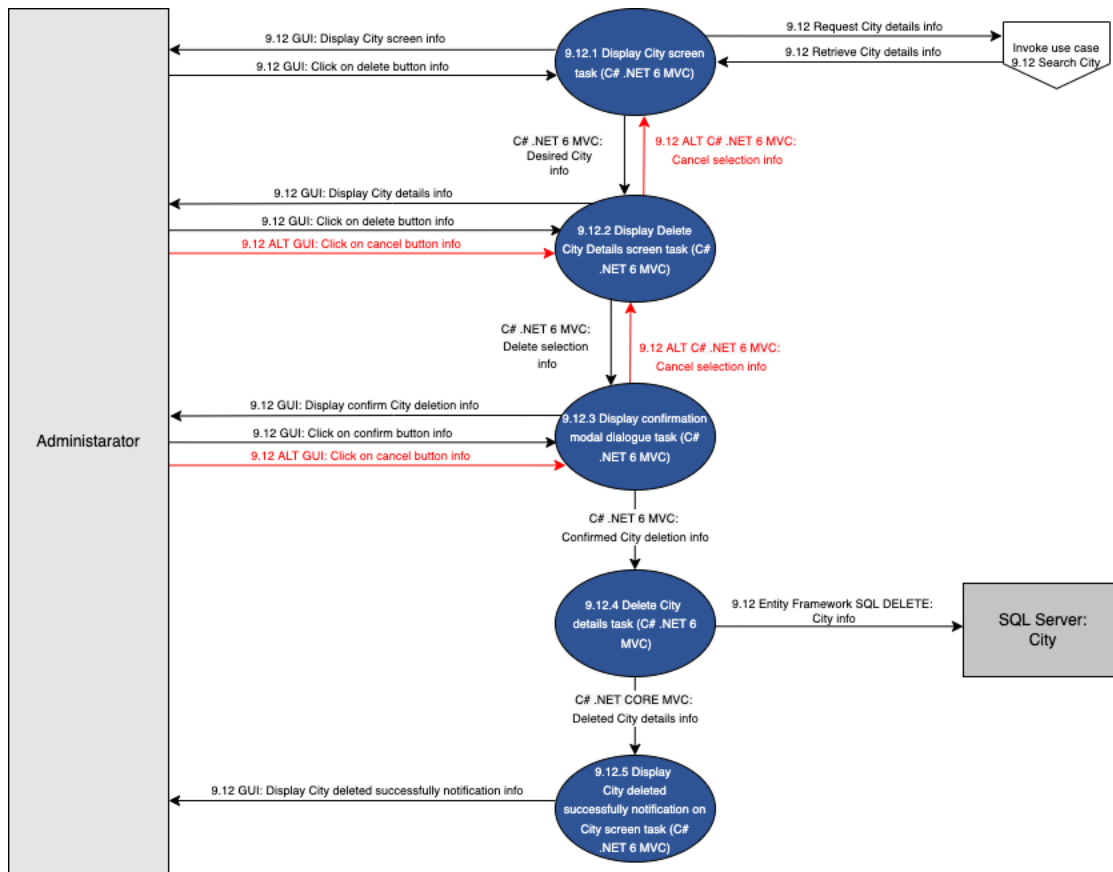


Figure 102- 9.12 Delete City

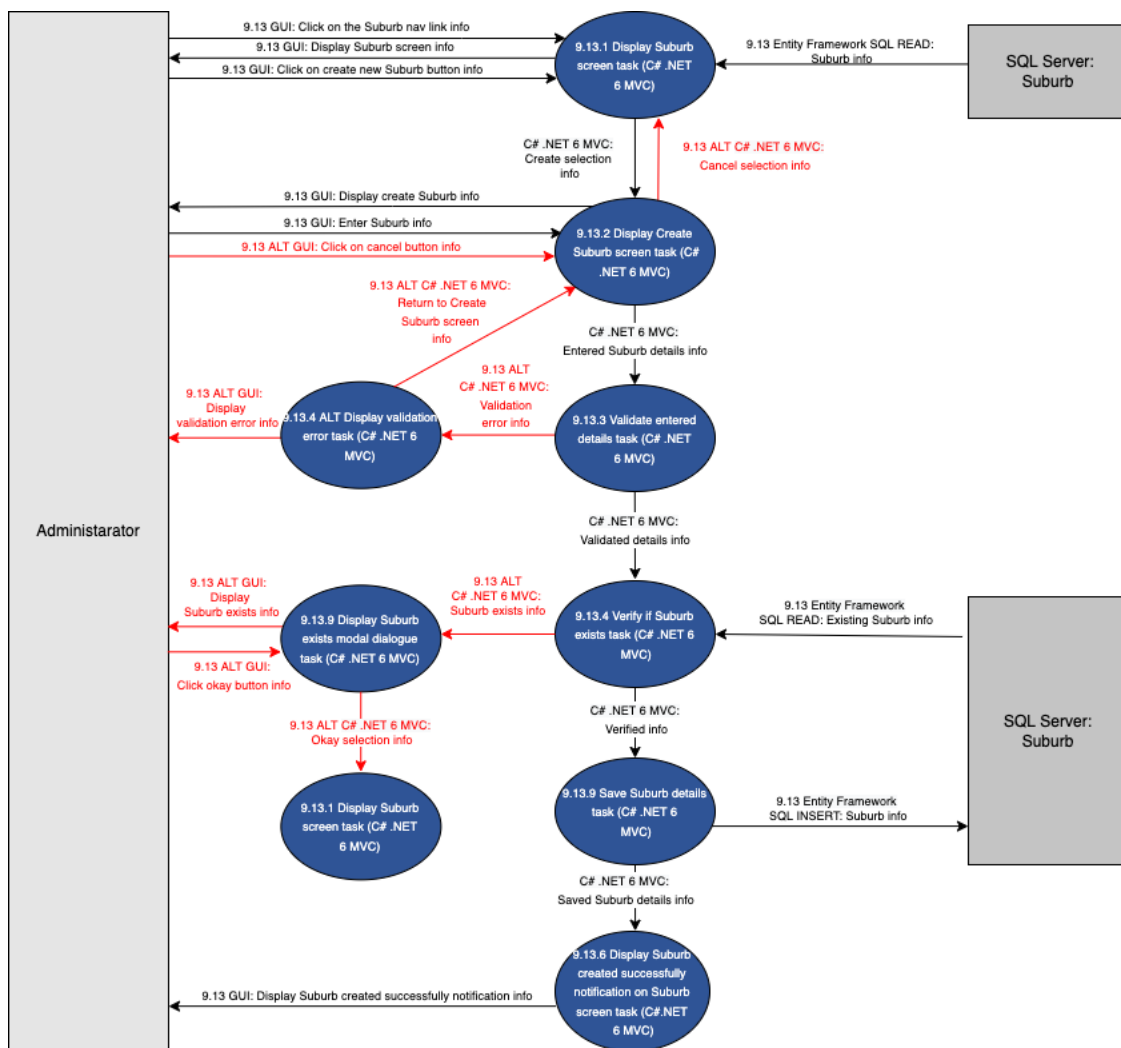


Figure 103- 9.13 Add Suburb

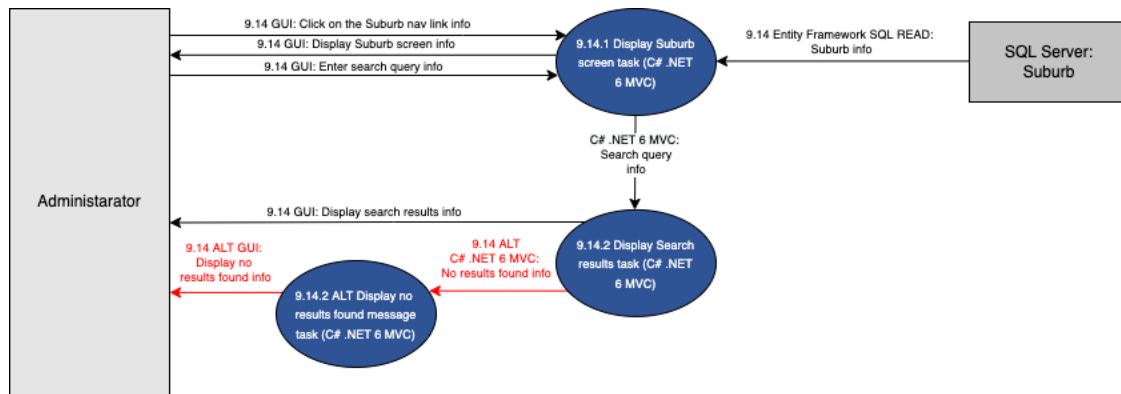


Figure 104- 9.14 Search Suburb

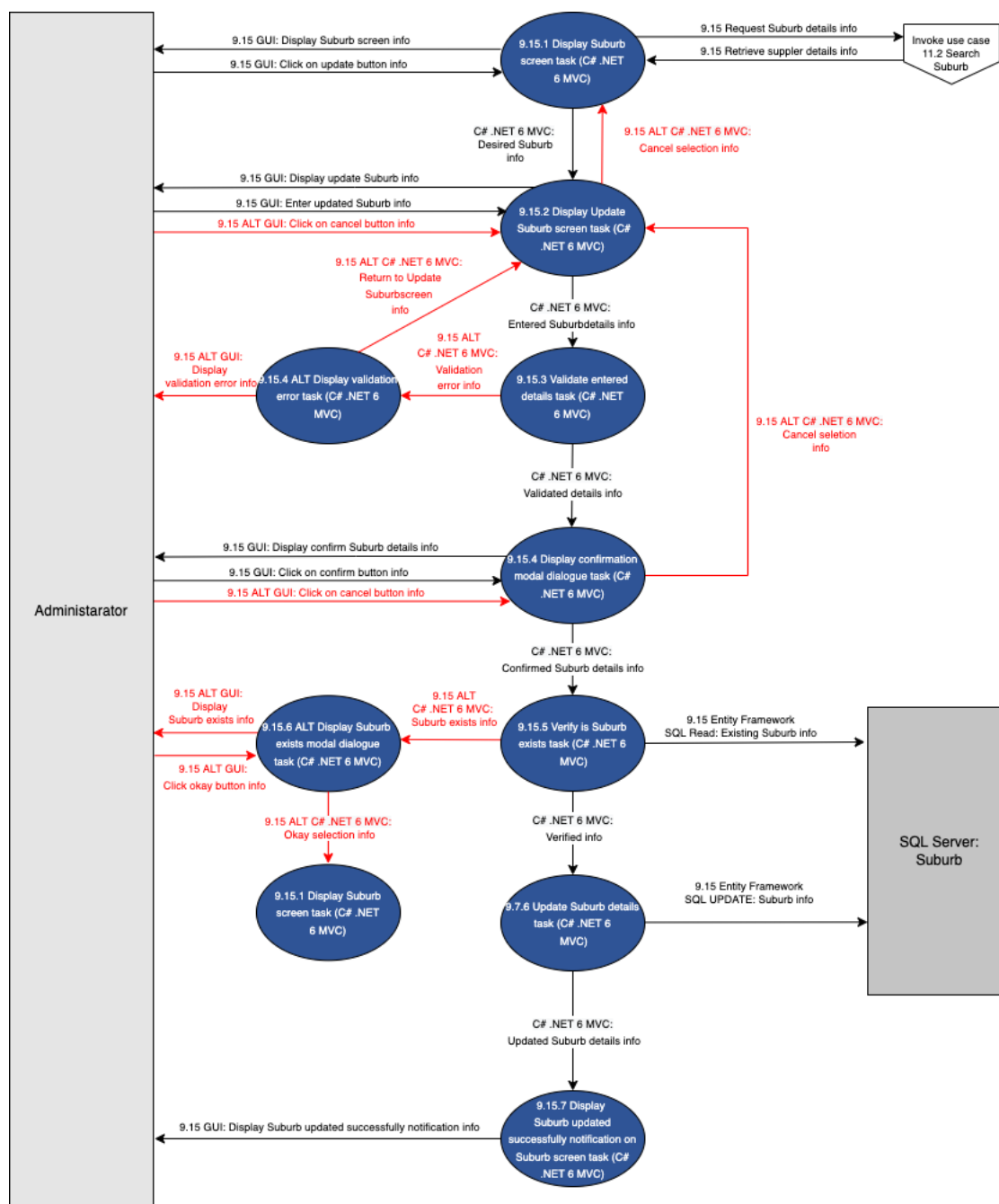


Figure 105- 9.15 Update Suburb

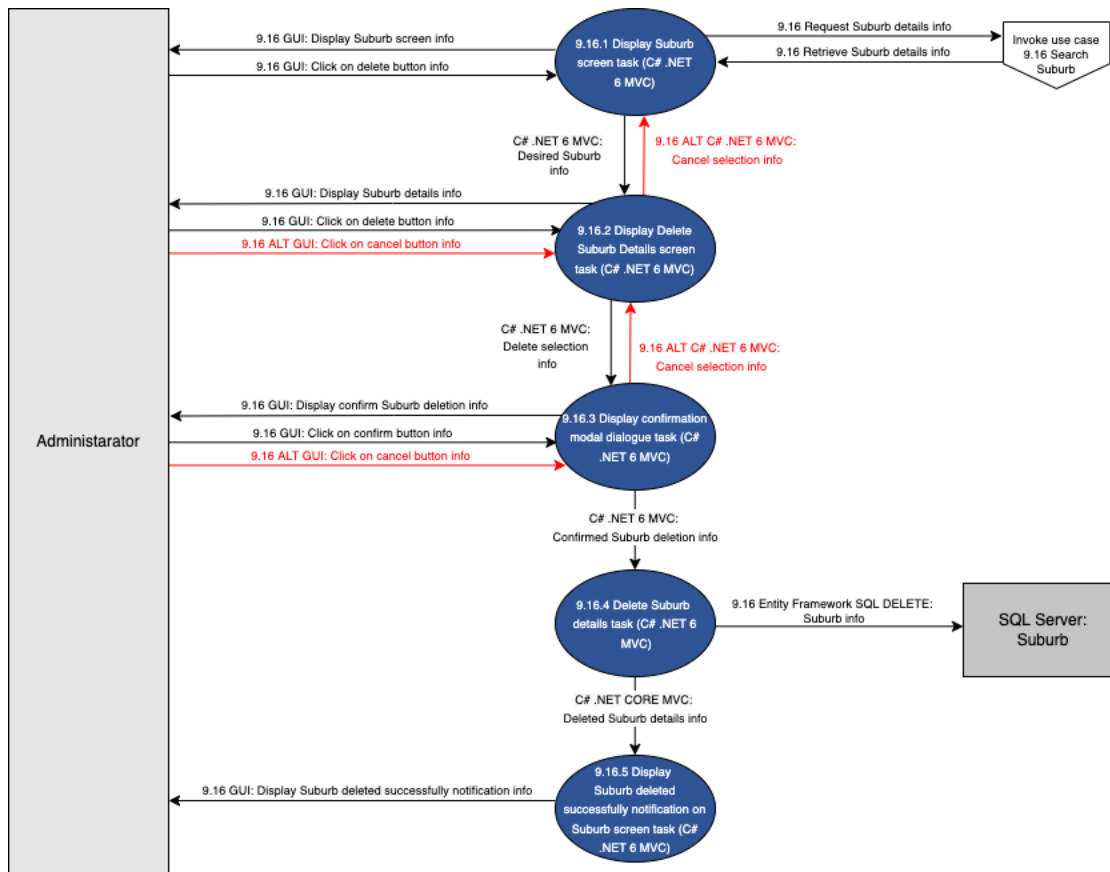


Figure 106- 9.16 Delete Suburb

2.10. Reporting Subsystem

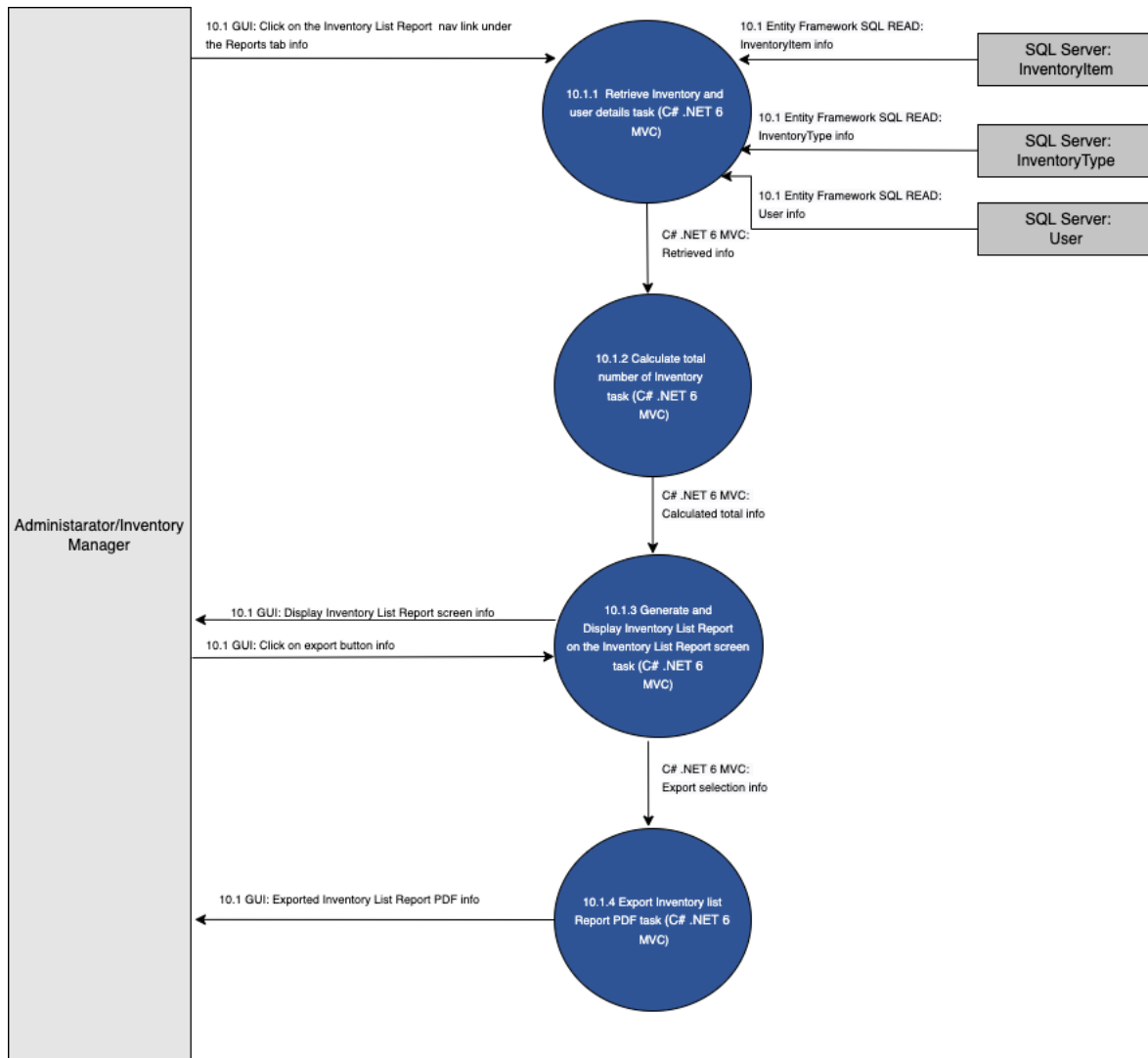


Figure 107 -10.1 Generate Inventory List Report

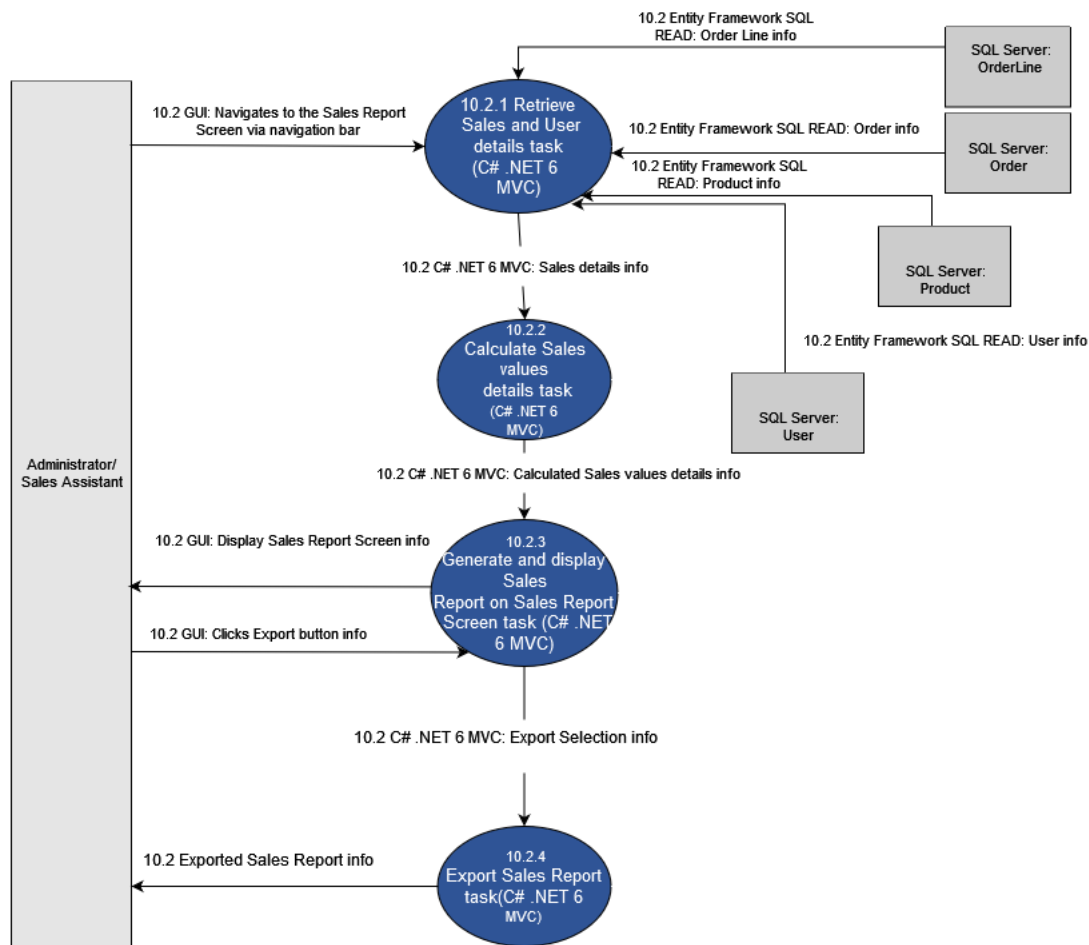


Figure 108- 10.2 Generate Sales Report

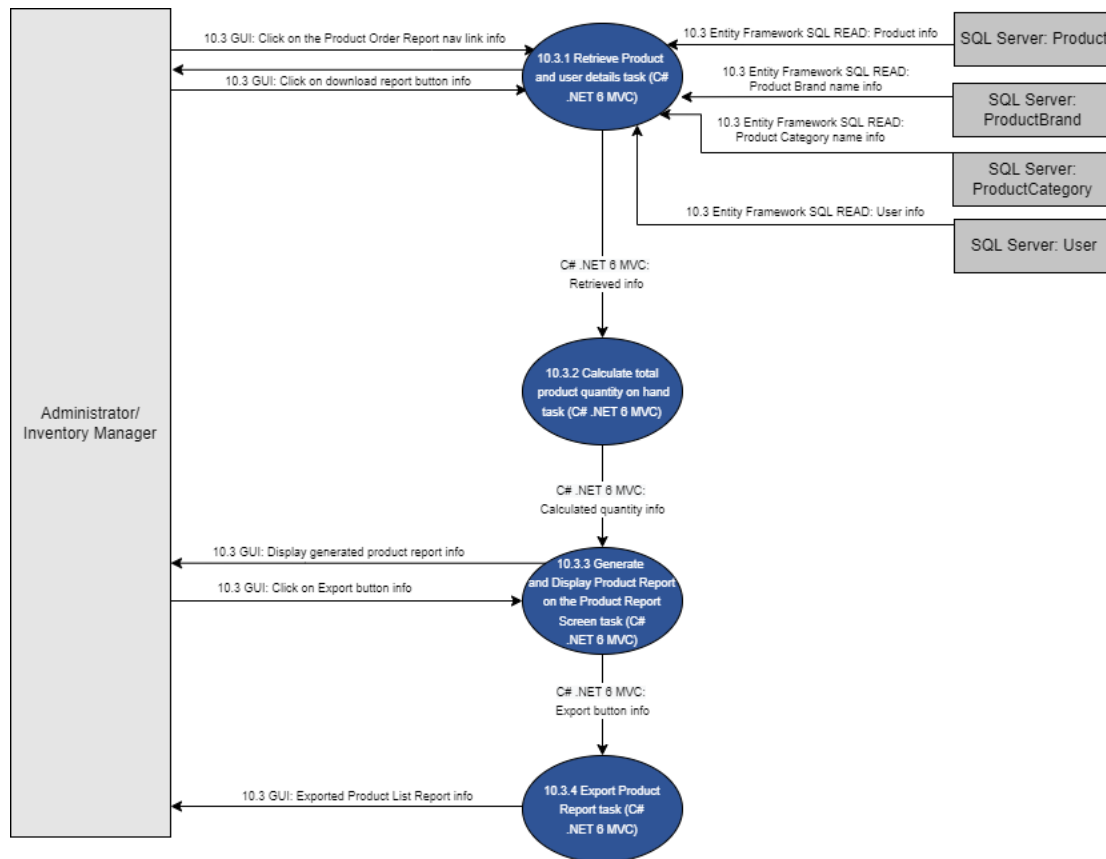


Figure 109- 10.3 Generate Product List Report

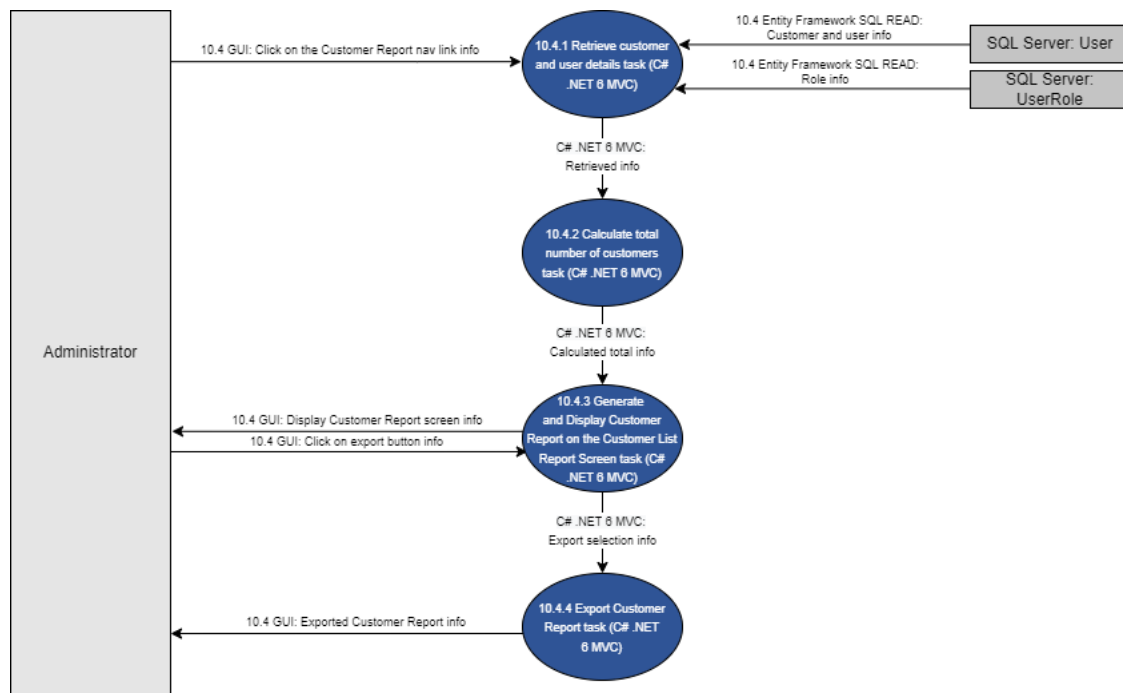


Figure 110- 10.4 Generate Customer List Report

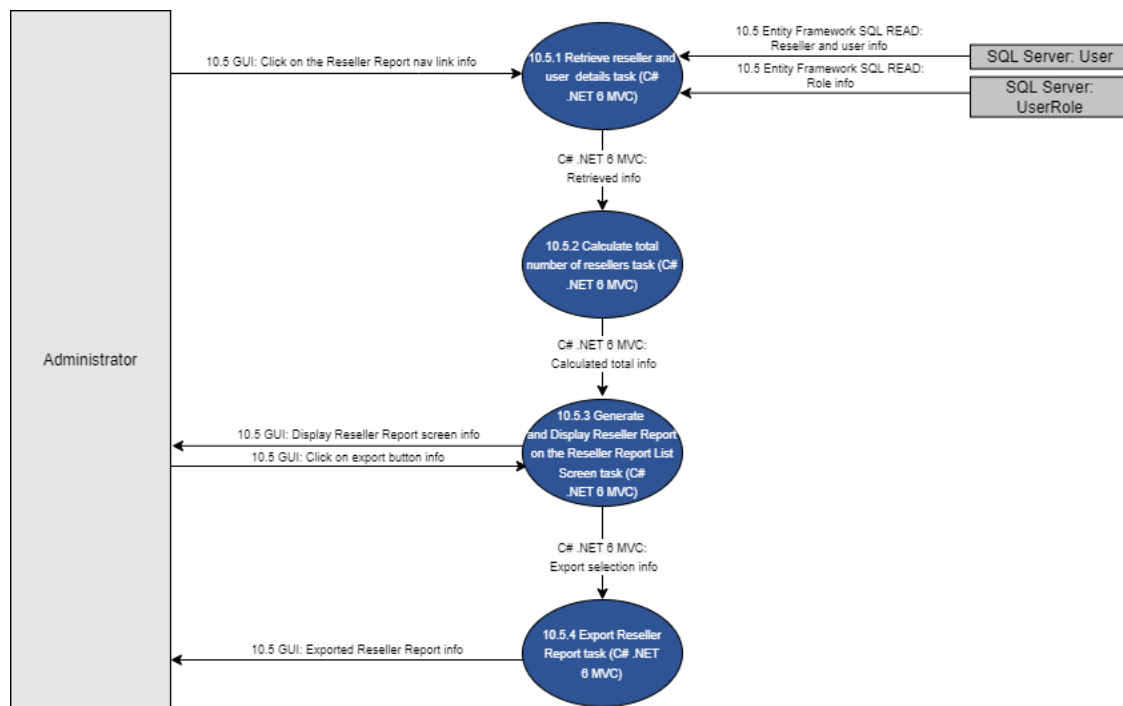


Figure 111- 10.5 Generate Reseller List Report

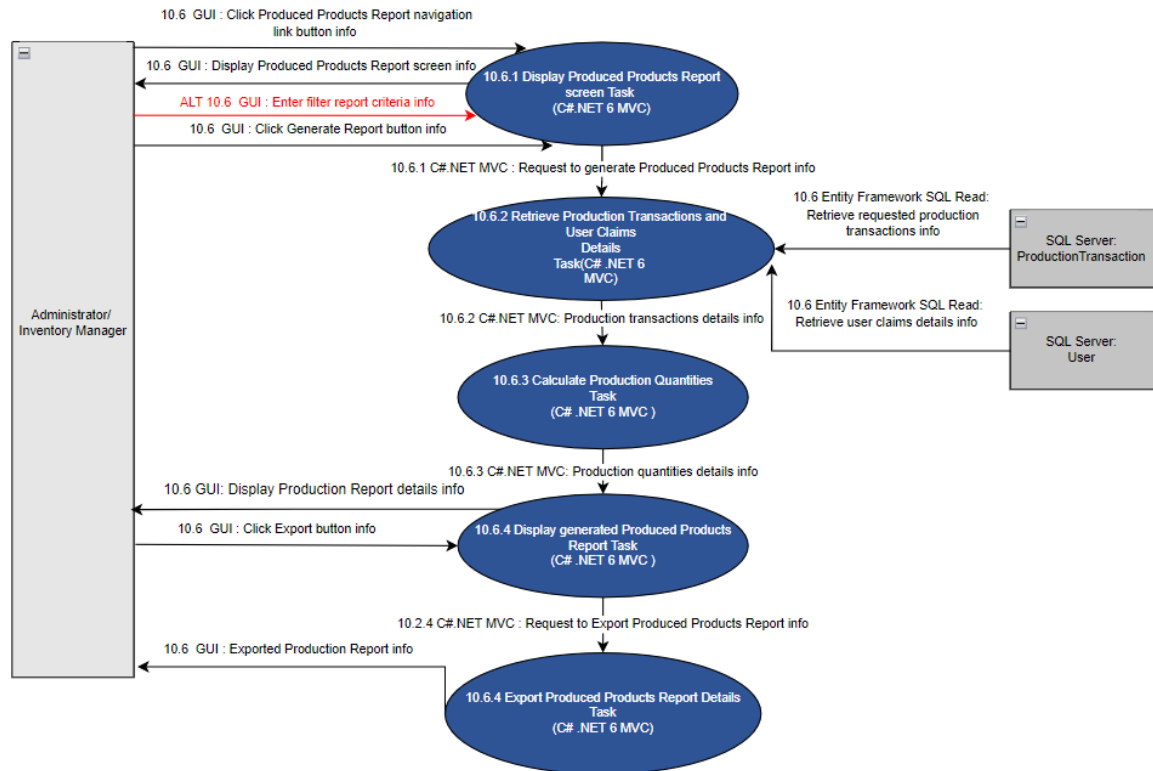


Figure 112- 10.6 Generate Produced Products Report

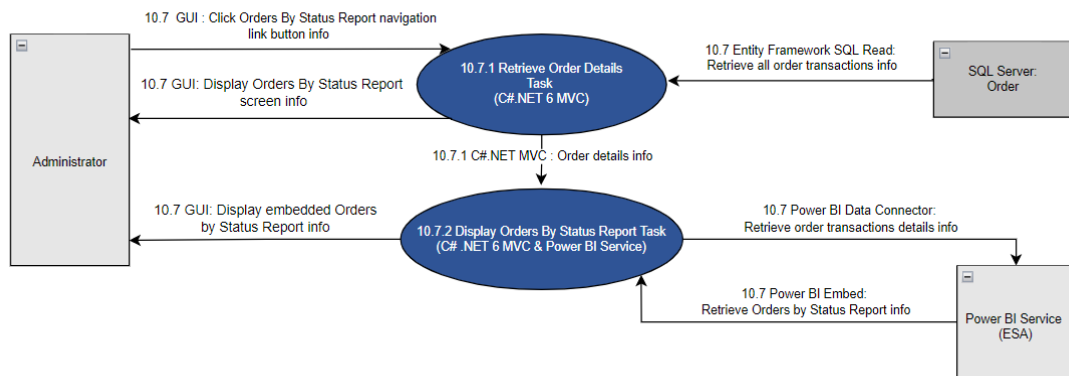


Figure 113- 10.7 Generate Orders (By Status) Report

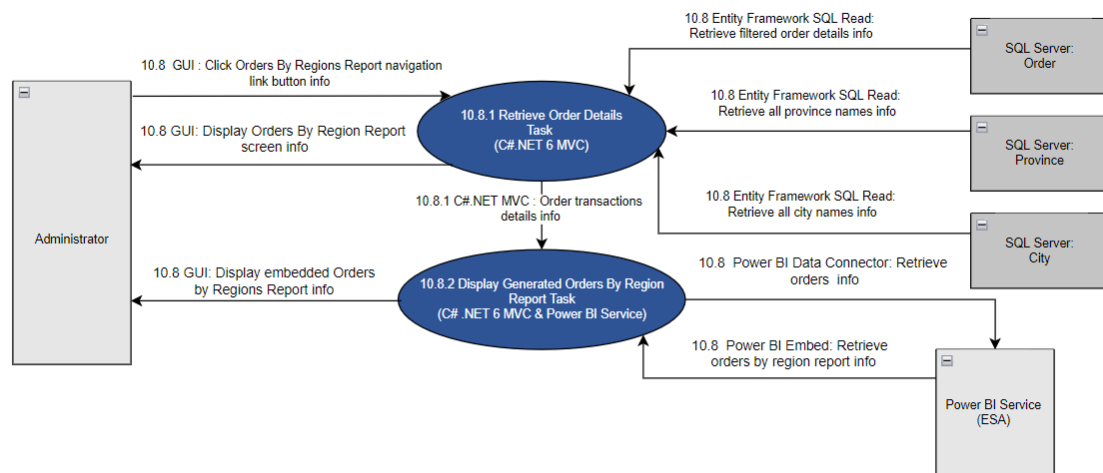


Figure 114- 10.8 Generate Sales (By Region) Report

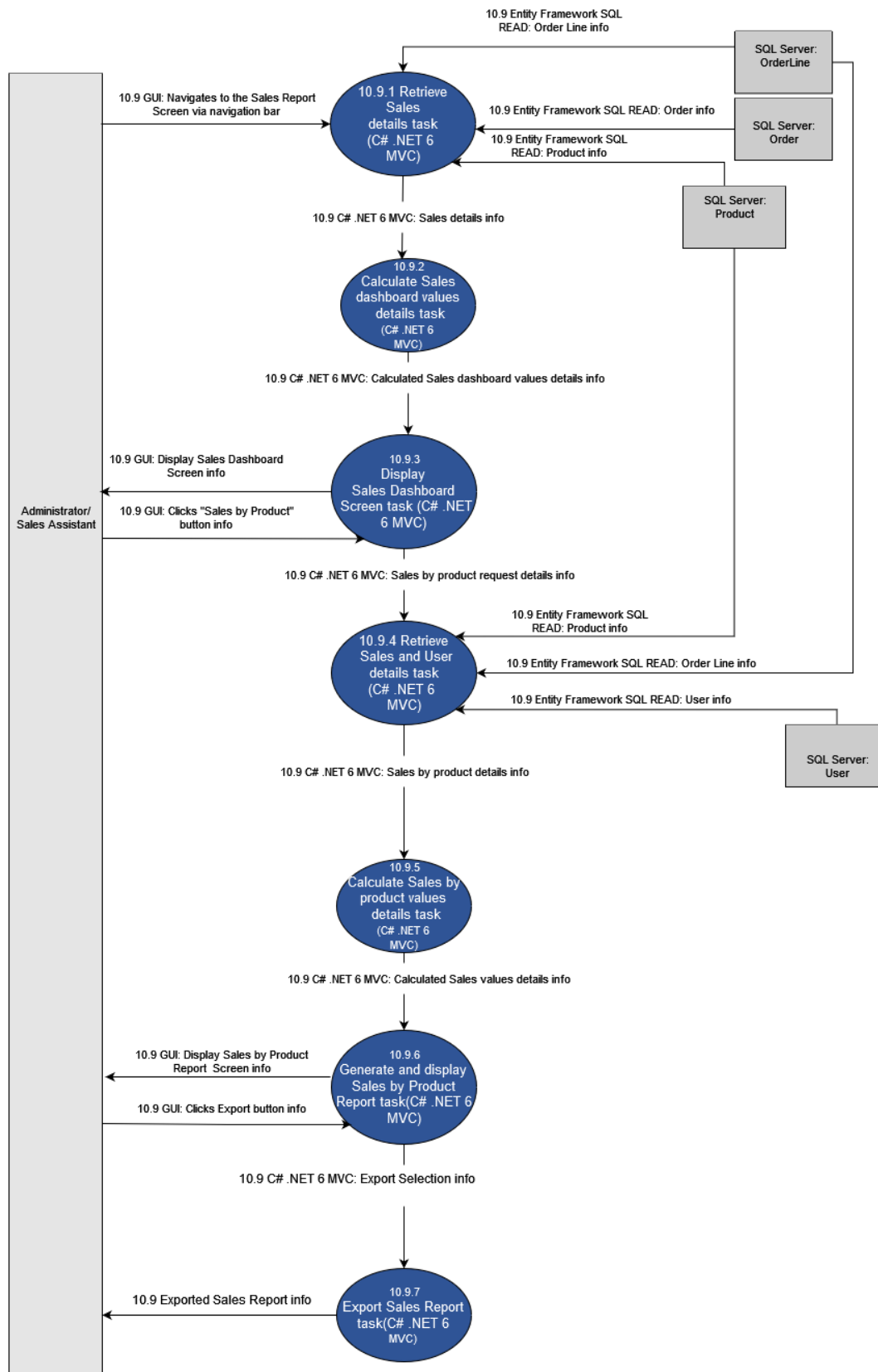


Figure 115- 10.9 Generate Sales (by Product) Report

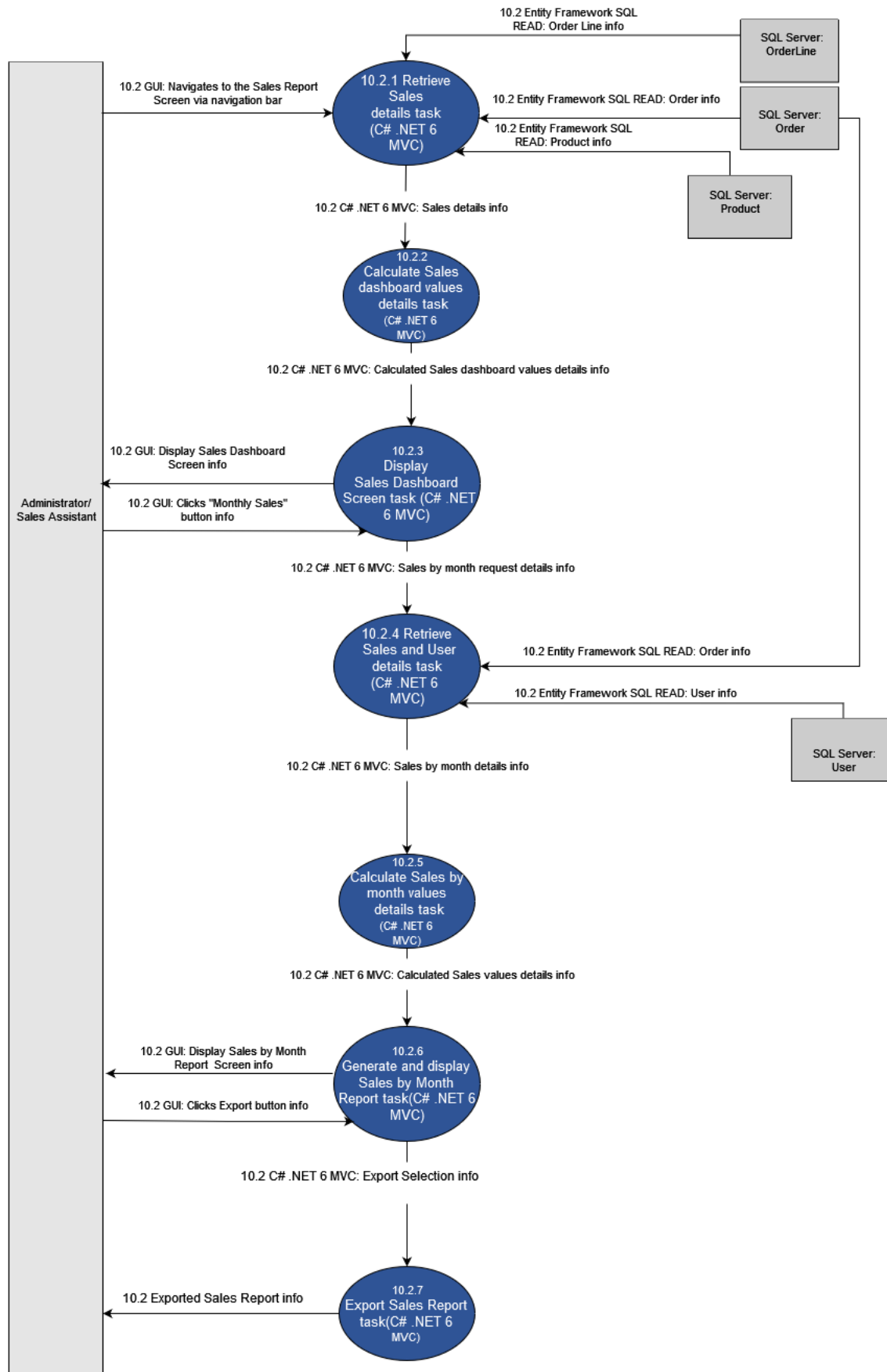


Figure 116- 10.10 Generate Sales (by Month) Report

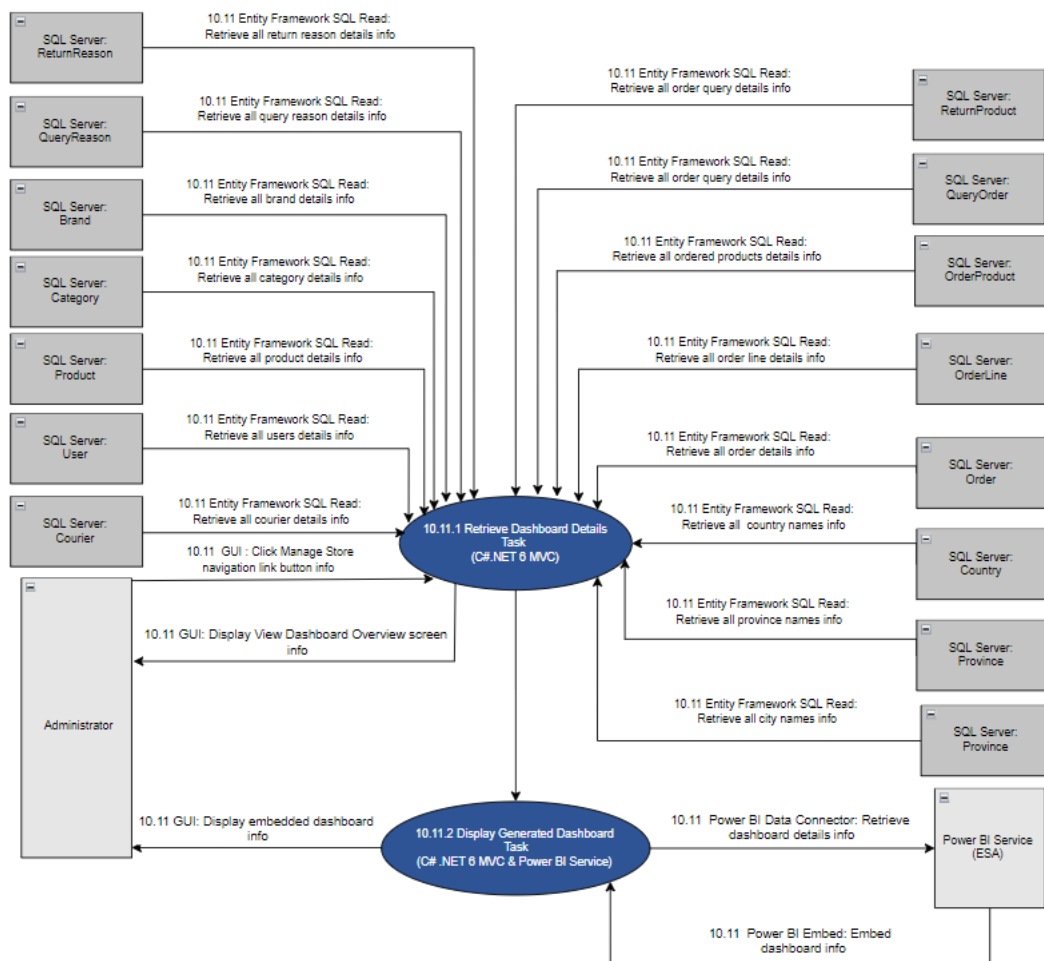


Figure 117- 10.11 View Dashboard Overview

2.11. Supplier Subsystem

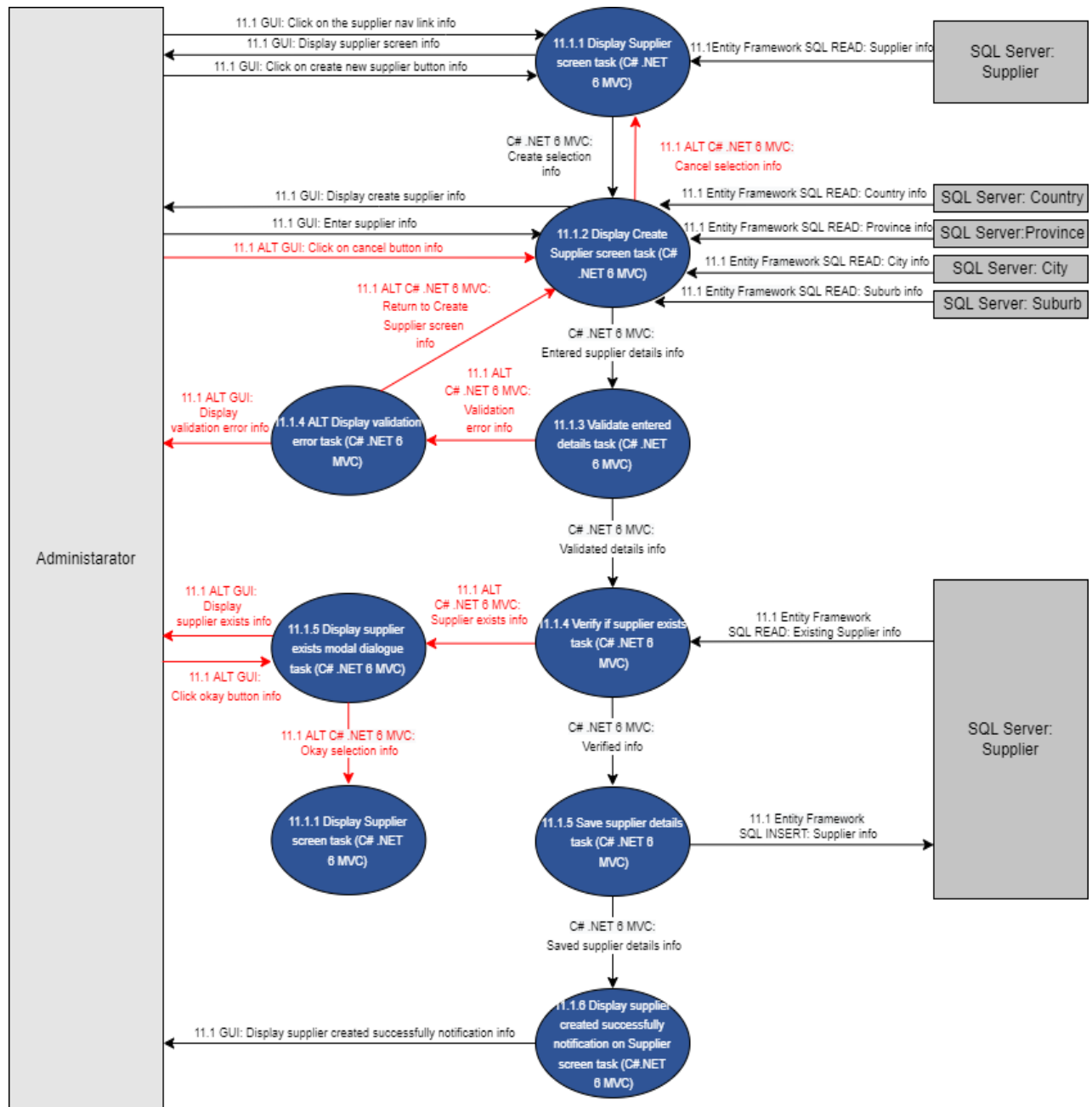


Figure 118 - 11.1 Add Supplier

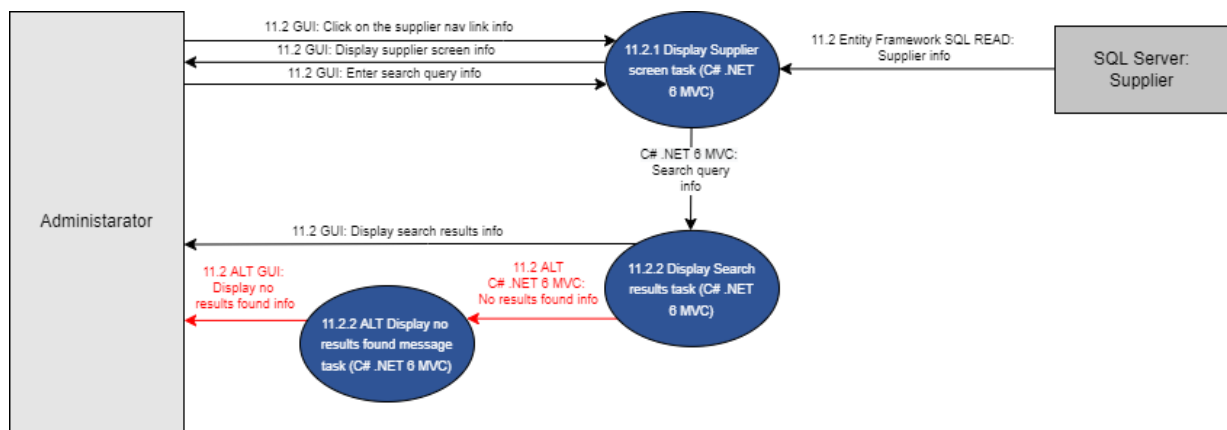


Figure 119 - 11.2 Search Supplier



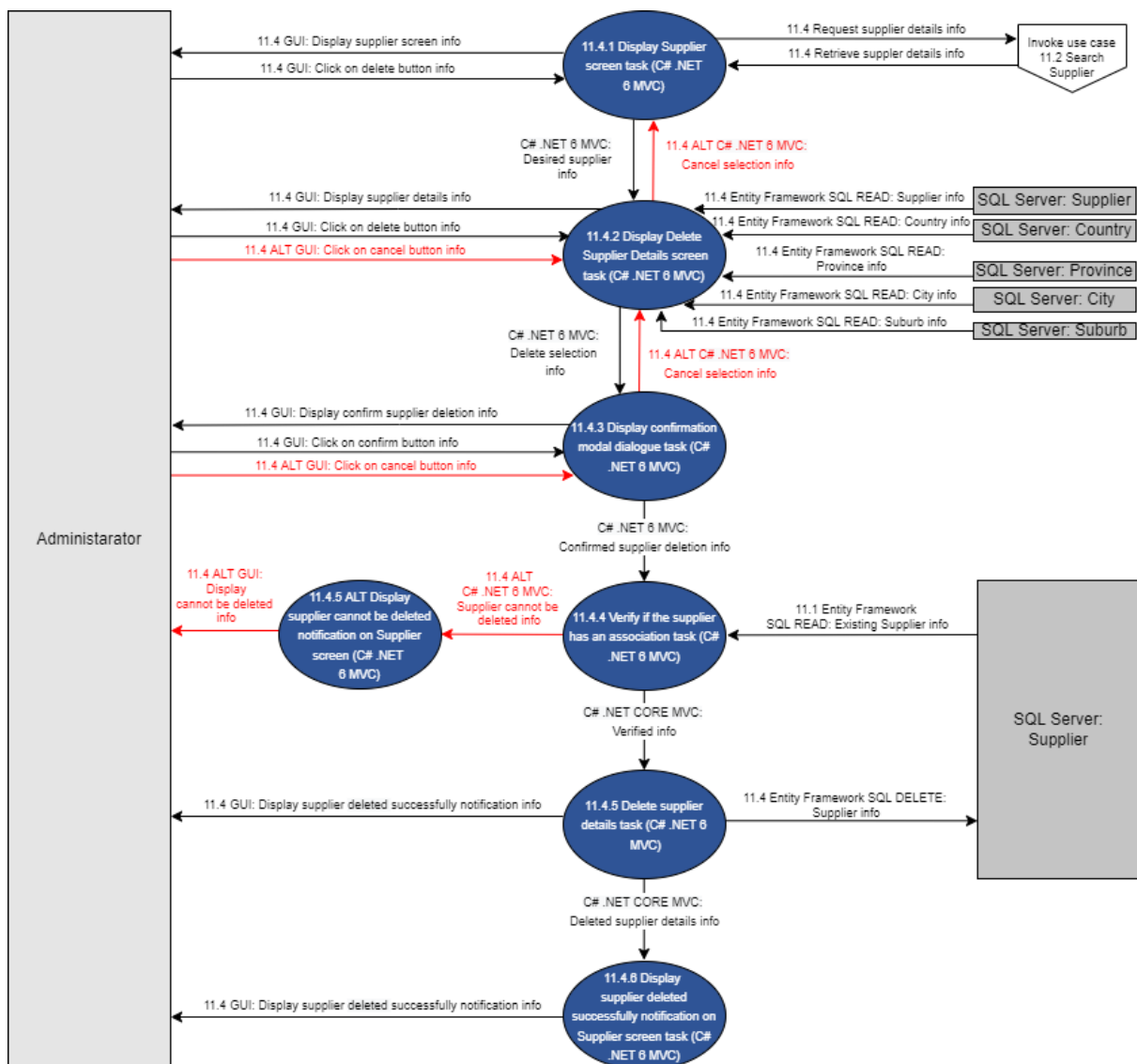


Figure 121- 11.4 Delete Supplier

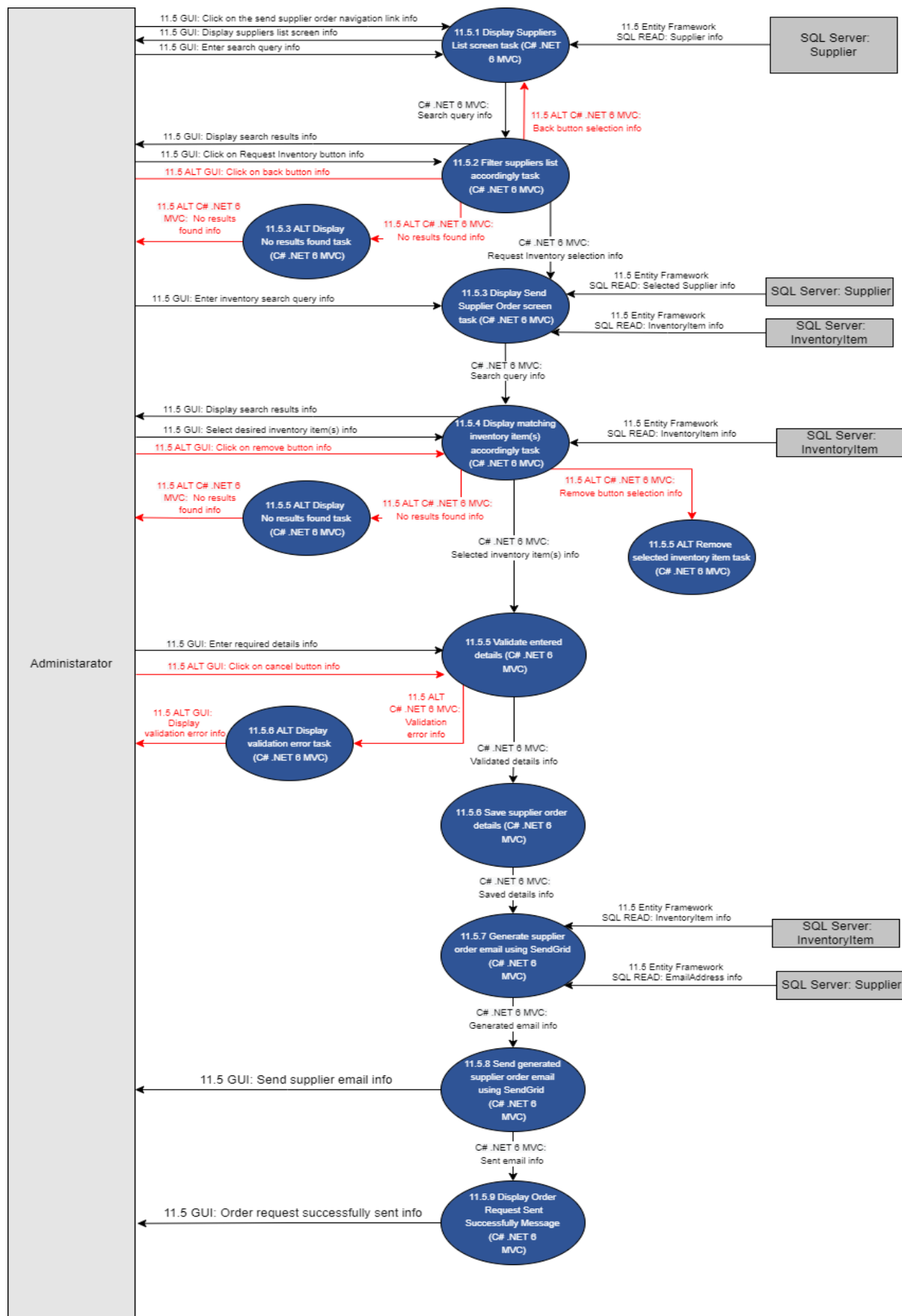


Figure 122- 11.5 Send Supplier Order

2.12. Driver Subsystem

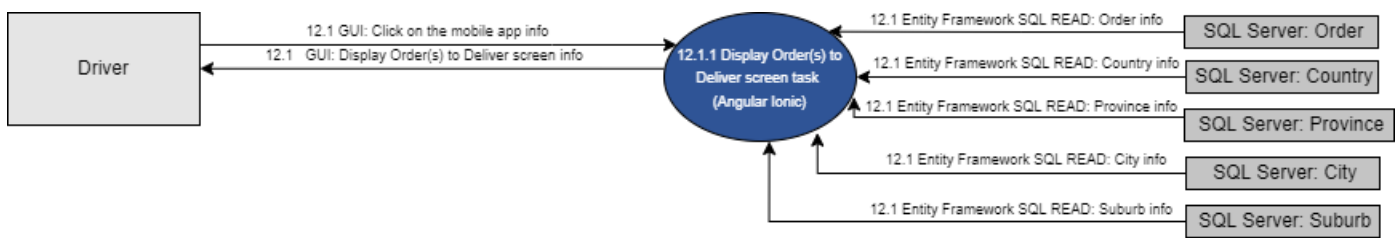


Figure 123- 12.1 View Deliveries

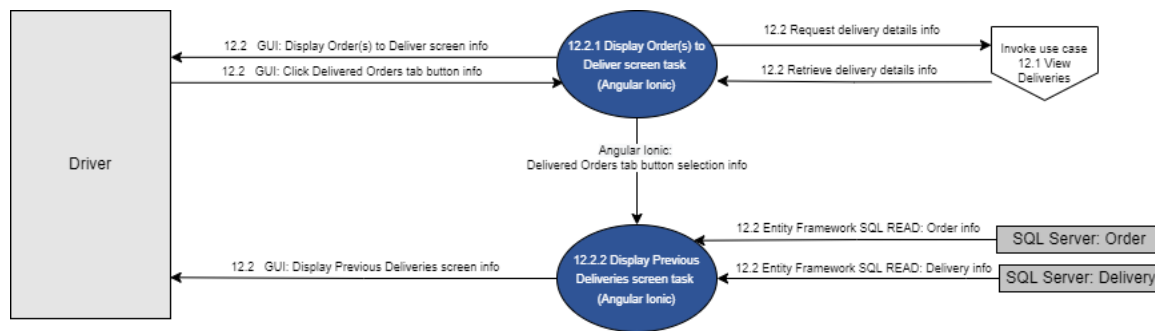


Figure 124- 12.2 View Previous Deliveries

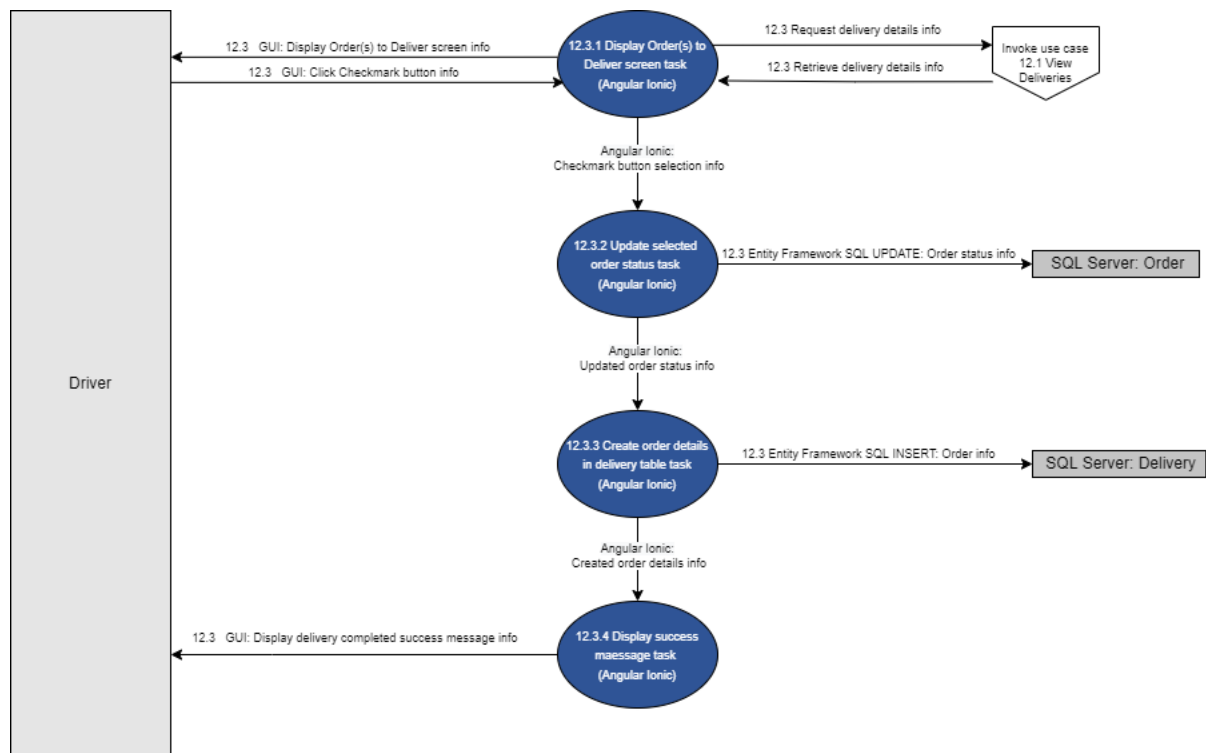


Figure 125- 12.3 Confirm Deliveries

2.13. VAT Subsystem

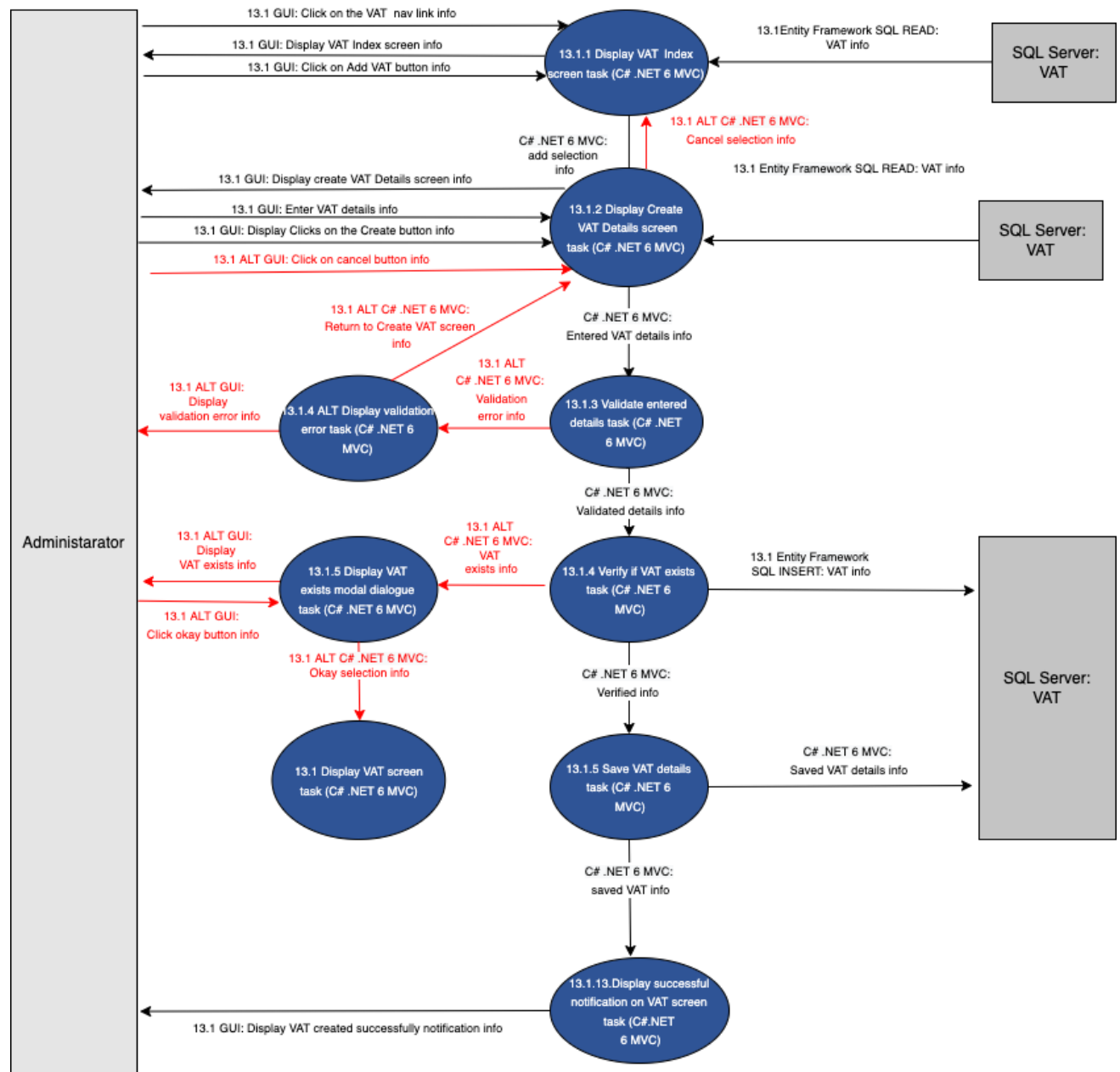


Figure 126- 13.1 Create VAT

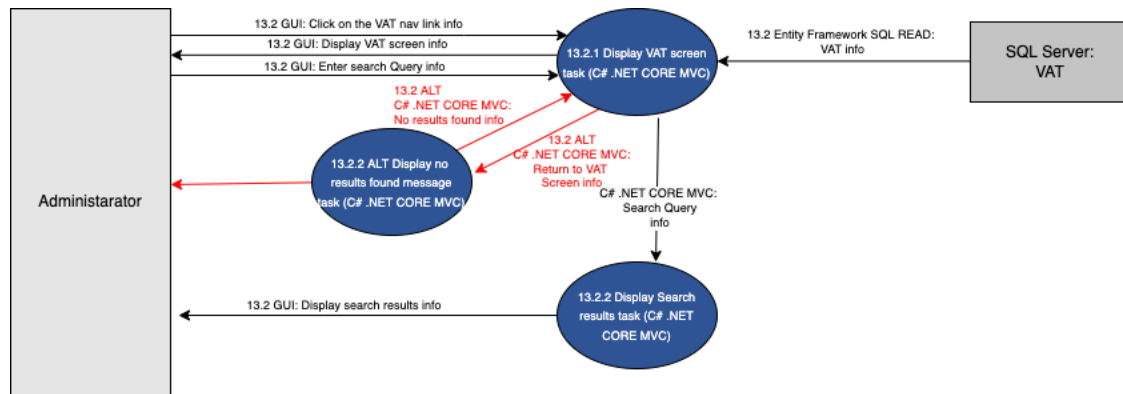


Figure 127- 13.2 Search VAT

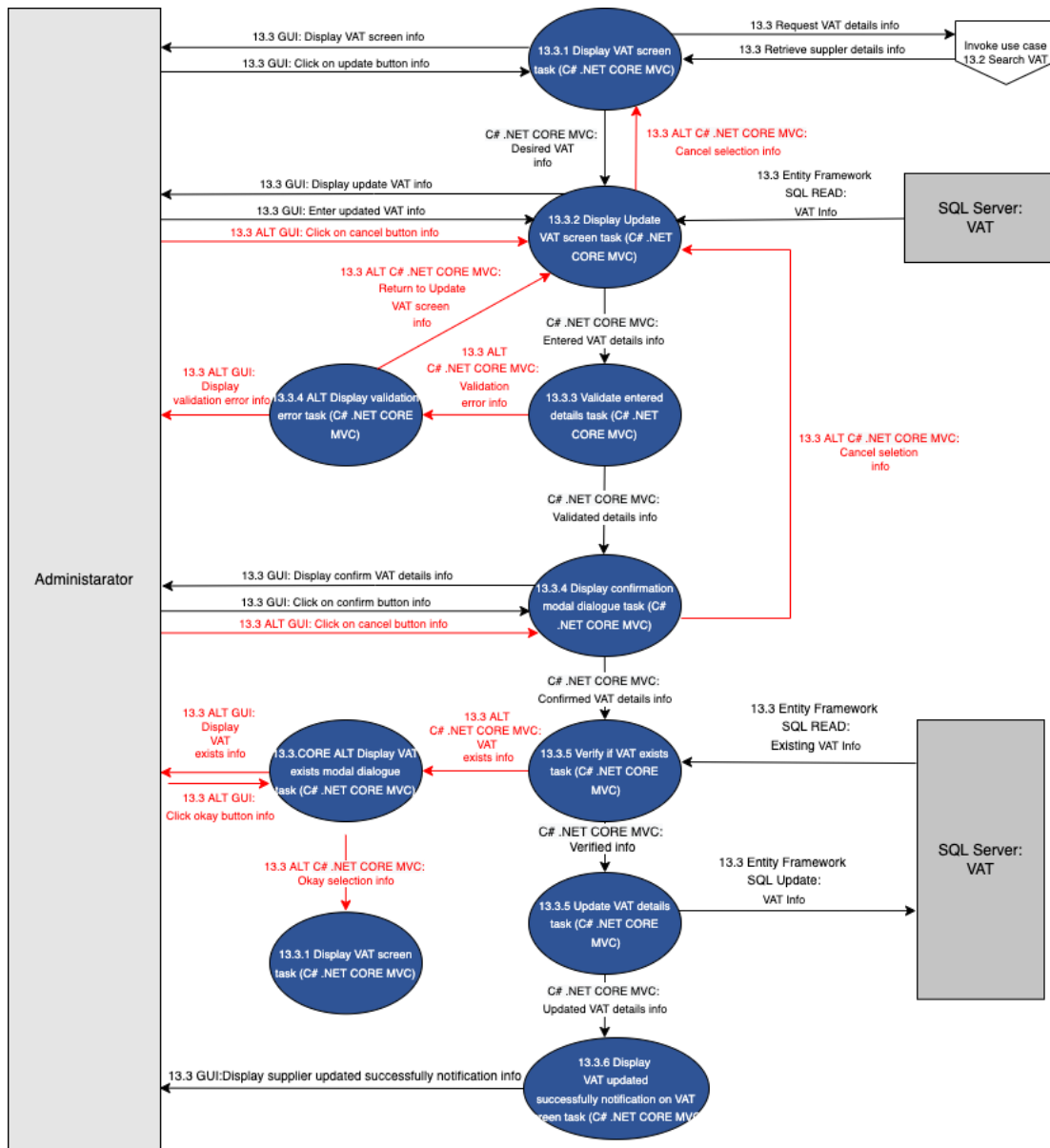


Figure 128- 13.3 Update VAT Details

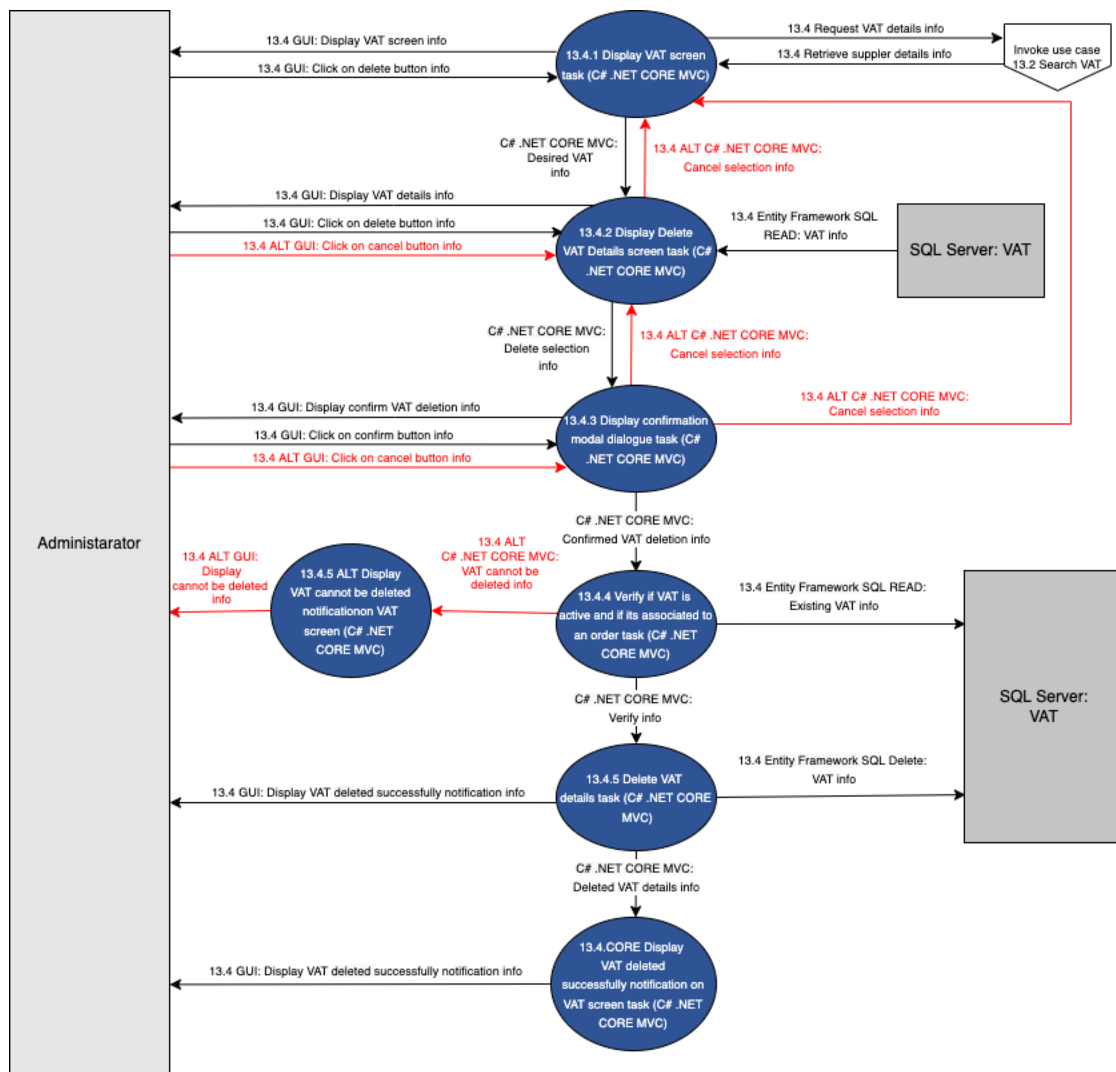


Figure 129- 13.4 Delete VAT

2.14. Reseller Credit Settlement Time Subsystem

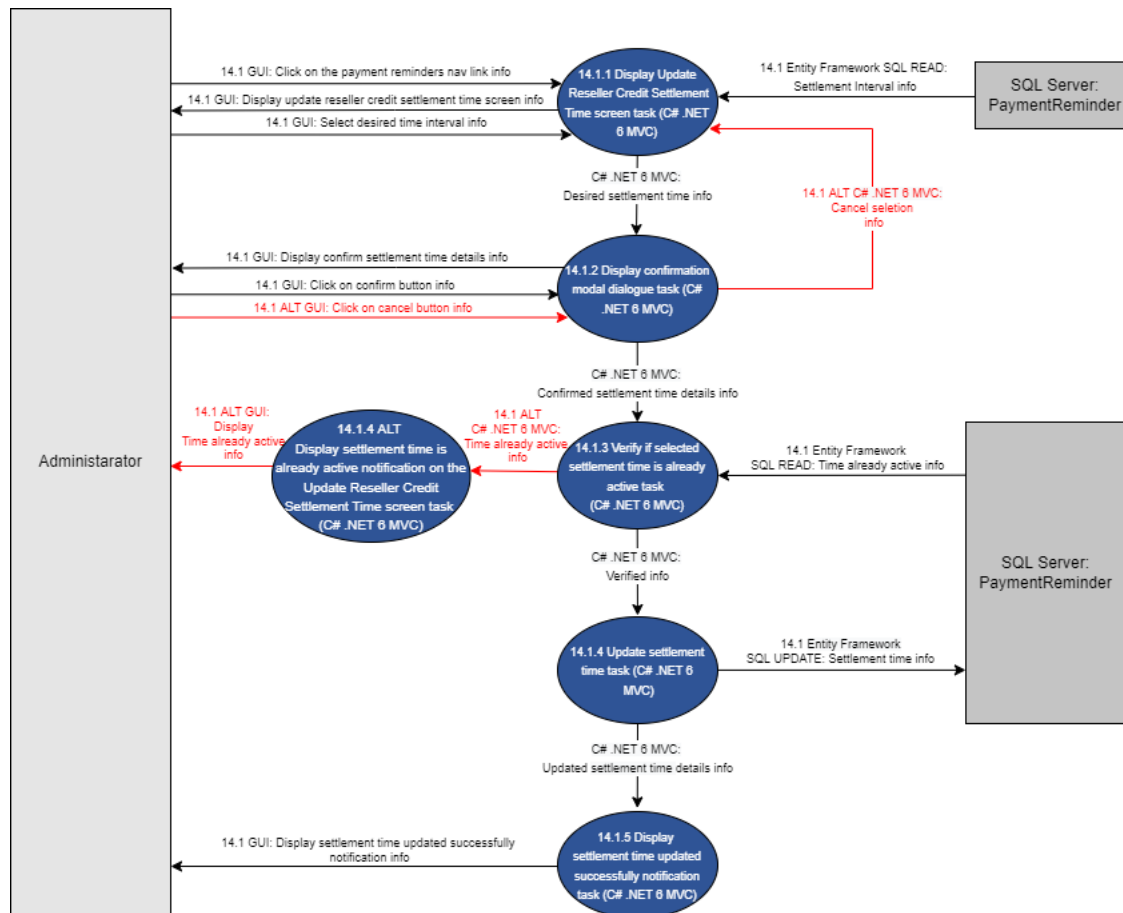


Figure 130- 14.1 Update Reseller Credit Settlement Time

2.15. Video Subsystem

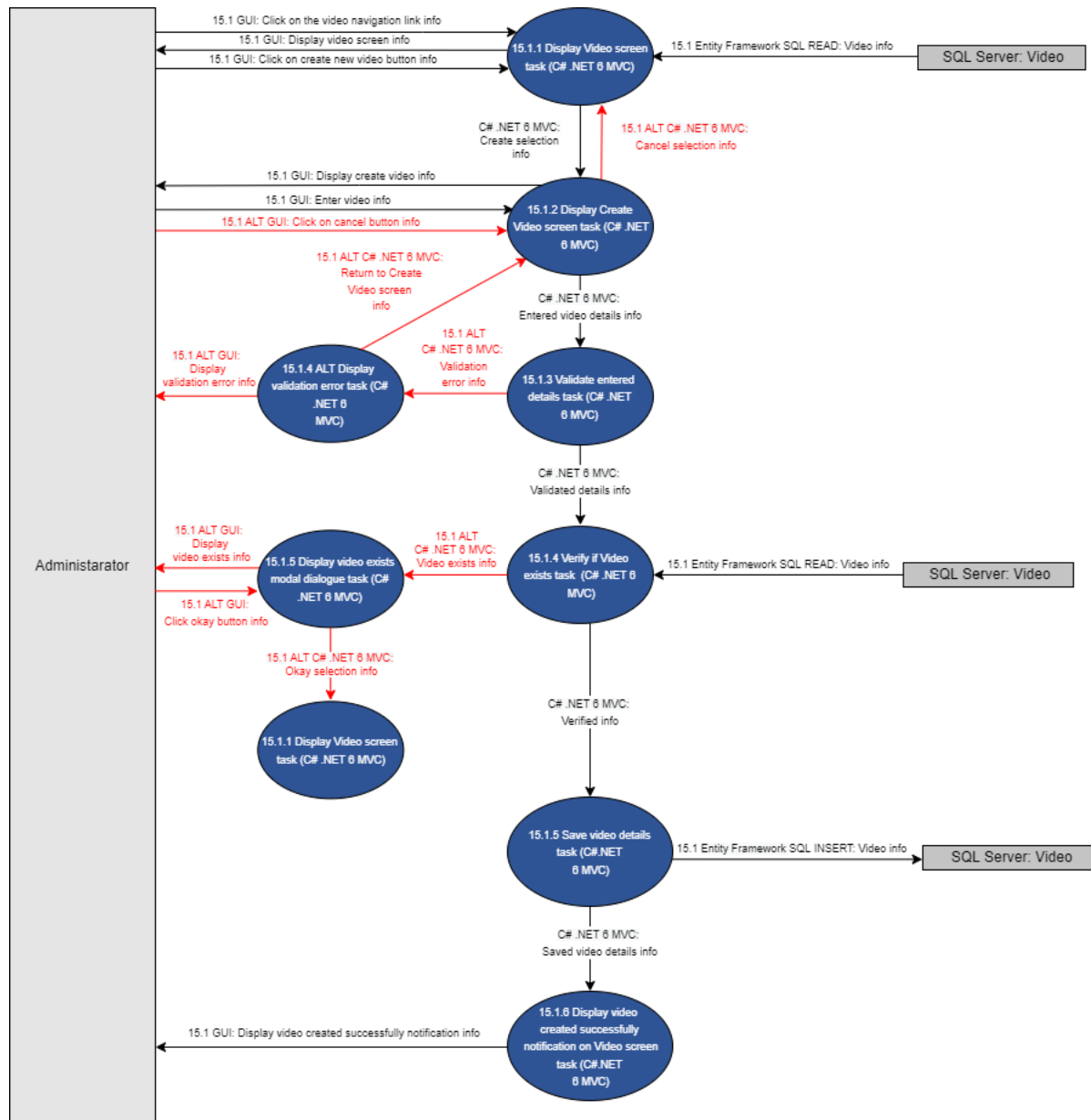


Figure 131- 15.1 Add Video

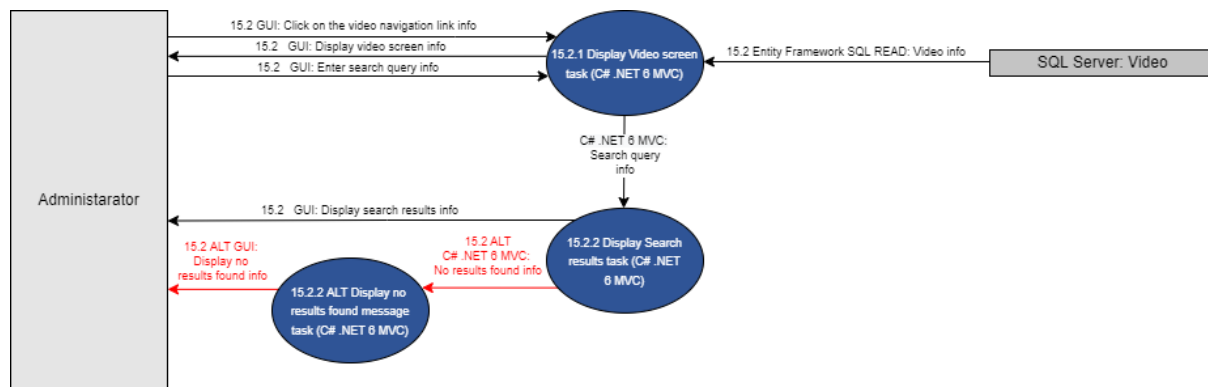


Figure 132- 15.2 Search Video



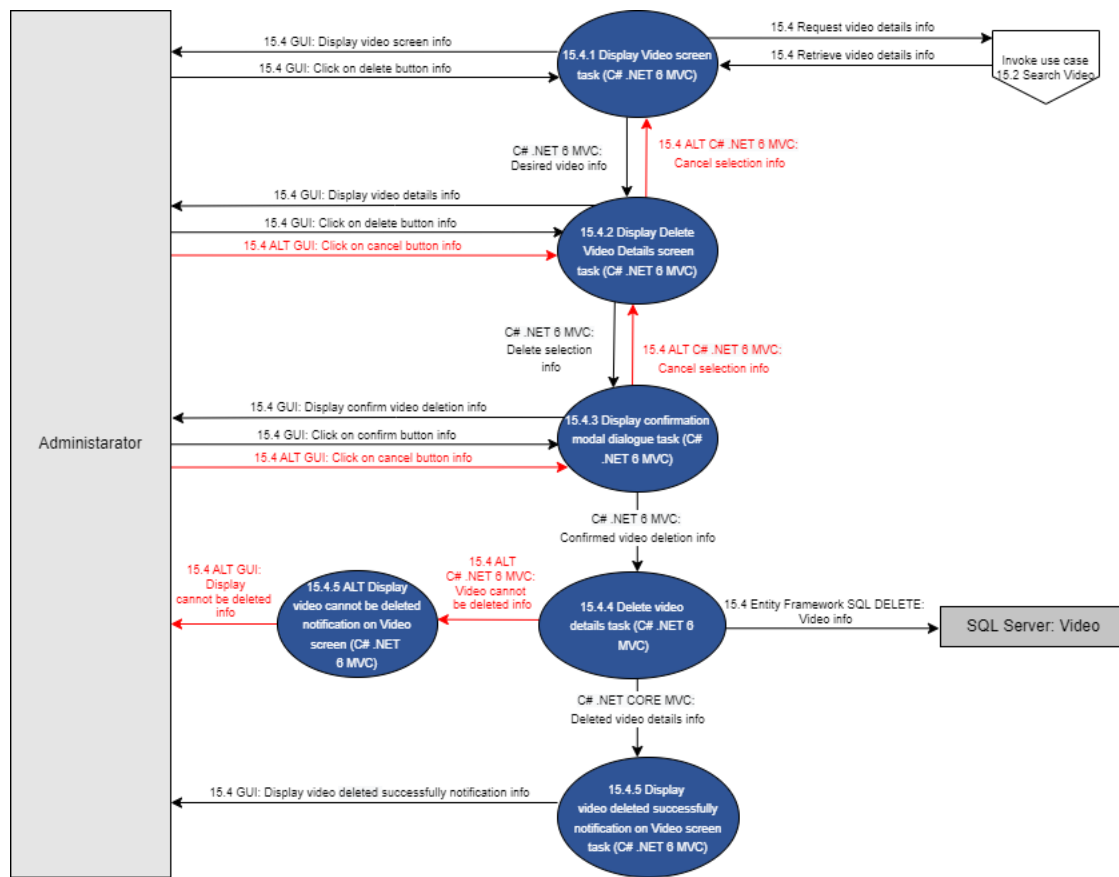


Figure 134- 15.4 Delete Video

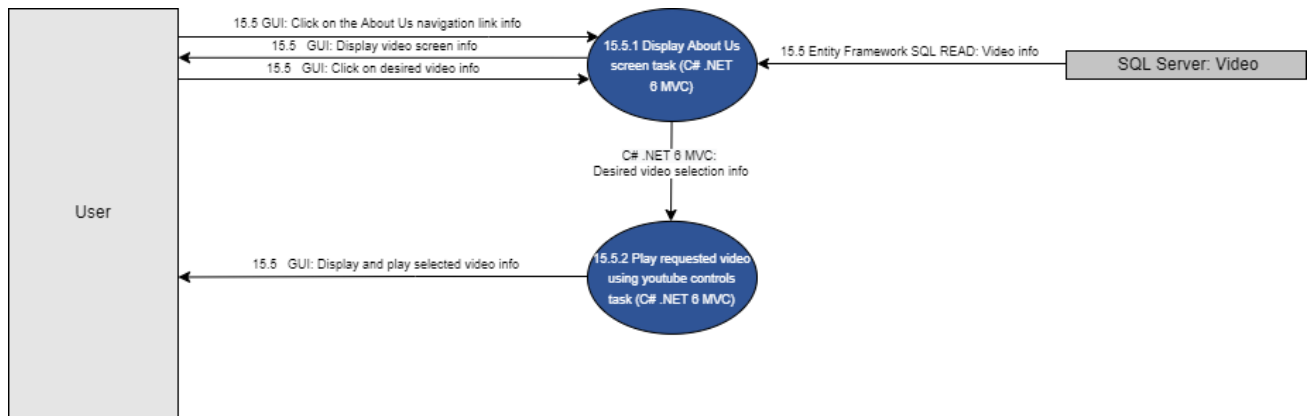


Figure 135- 15.5 View Video

2.16 Help Subsystem

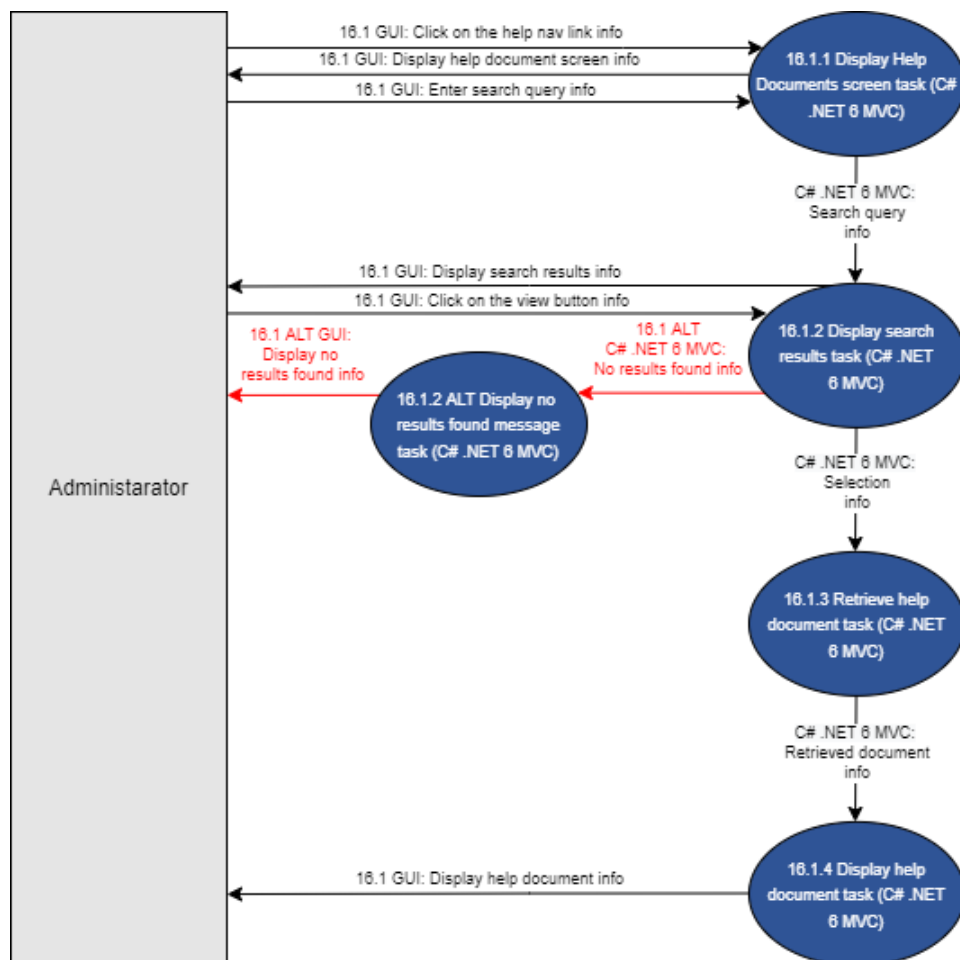


Figure 136- 16.1 View Help Document

Conclusion

In conclusion the compiled iteration four document detailed the design and development of our ByteXecom E-commerce system. This document contained the updated requirements lists, complexity matrix, logical and technical narratives, technical primitive, UML activity diagrams as well as the test cases and screen designs for our use cases.

3. Iteration Conclusion

In conclusion the compiled iteration detailed the final documentation for the design and development of the ByteXecom E-commerce system. The documents contained the updated requirements lists, complexity matrix, logical and technical narratives, technical primitive,

UML activity, sequence and state diagrams as well as the test cases and screen designs for our use cases.