

ITERATION 7

TEAM 35



NGO PROJECT PORTFOLIO MANAGEMENT SYSTEM

This document defines the activity diagrams for all the use cases identified for the proposed Integrated NGO Management System for EPI-USE and groupelephant.com.

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1. Document Introduction

This document outlines the sequence diagrams for all the use cases defined for the proposed Integrated NGO Management System for EPI-USE and groupelephant.com.

2. Activity Diagrams

2.1 User Subsystem Activity Diagrams

2.1.1 User Login

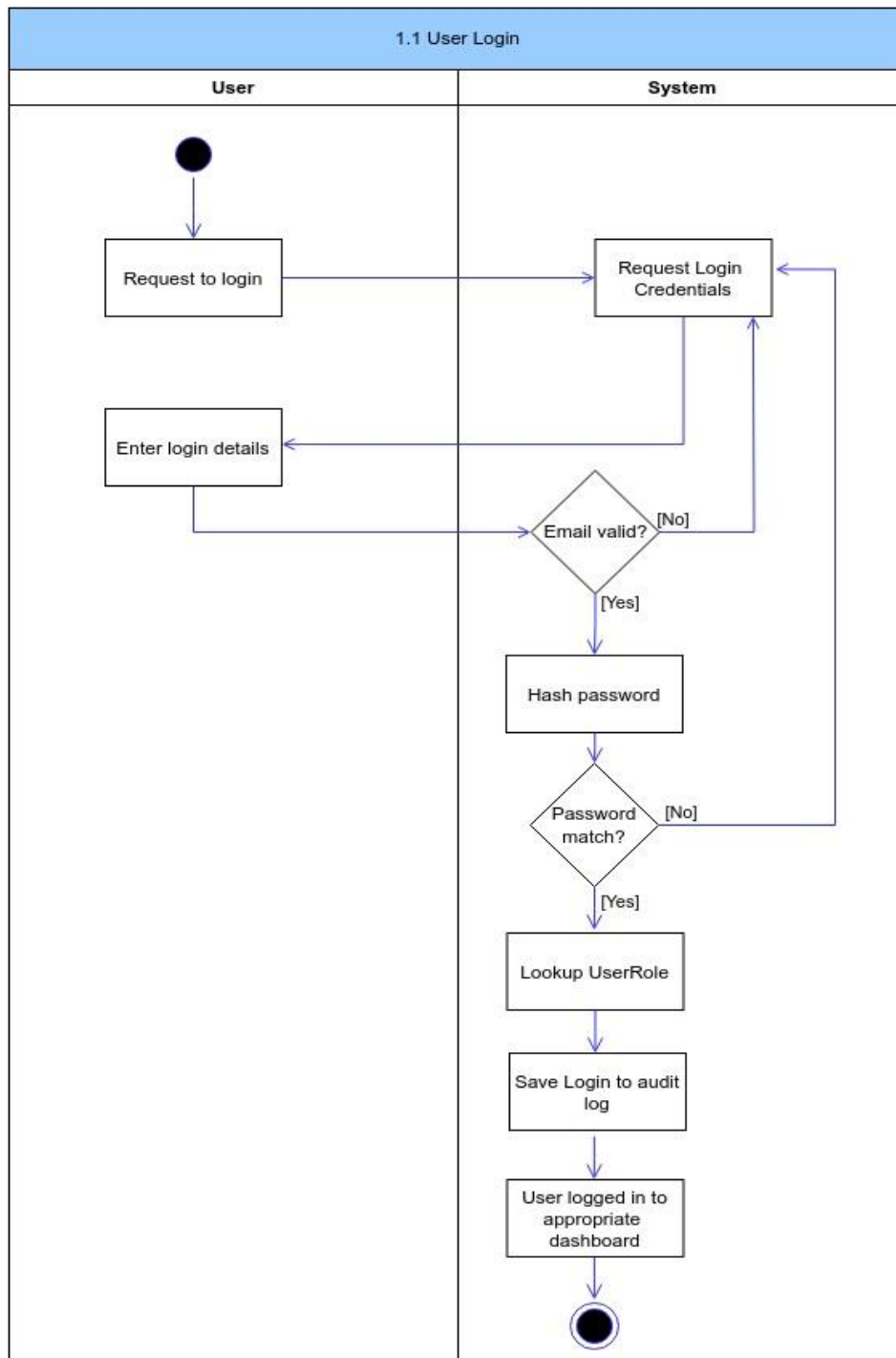


Figure 1: User Login Activity Diagram

2.1.2 User Logout

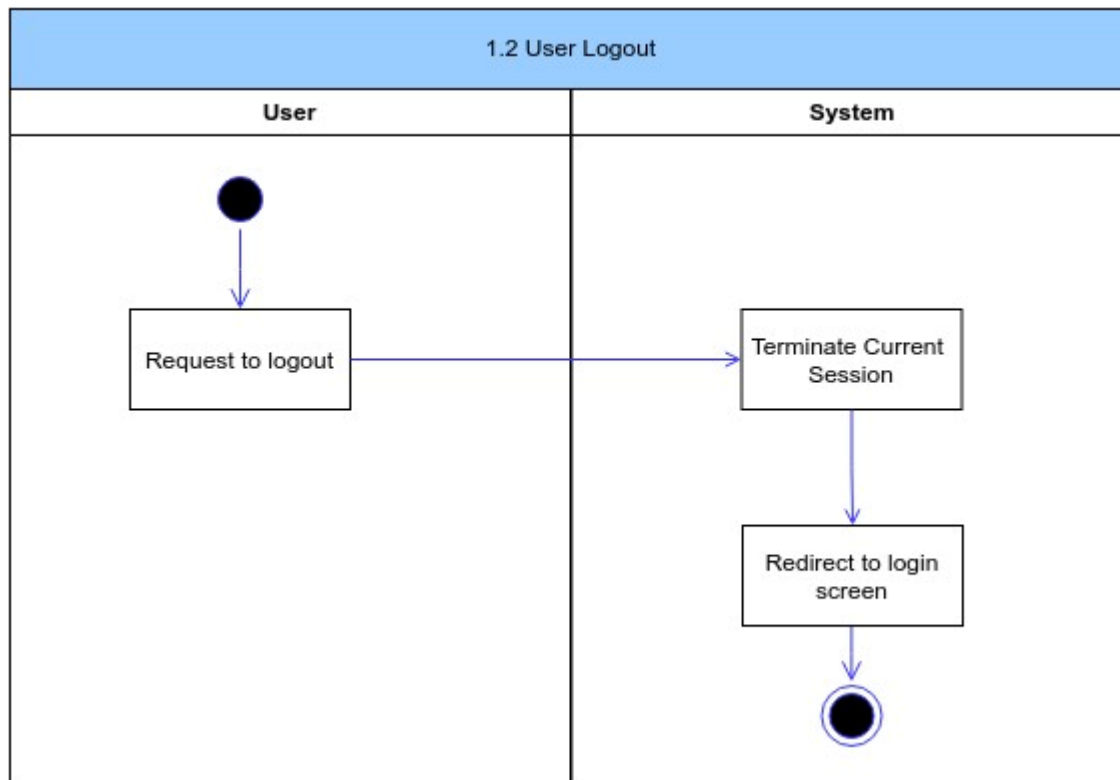


Figure 2: User Logout Activity Diagram

2.1.3 Reset Password

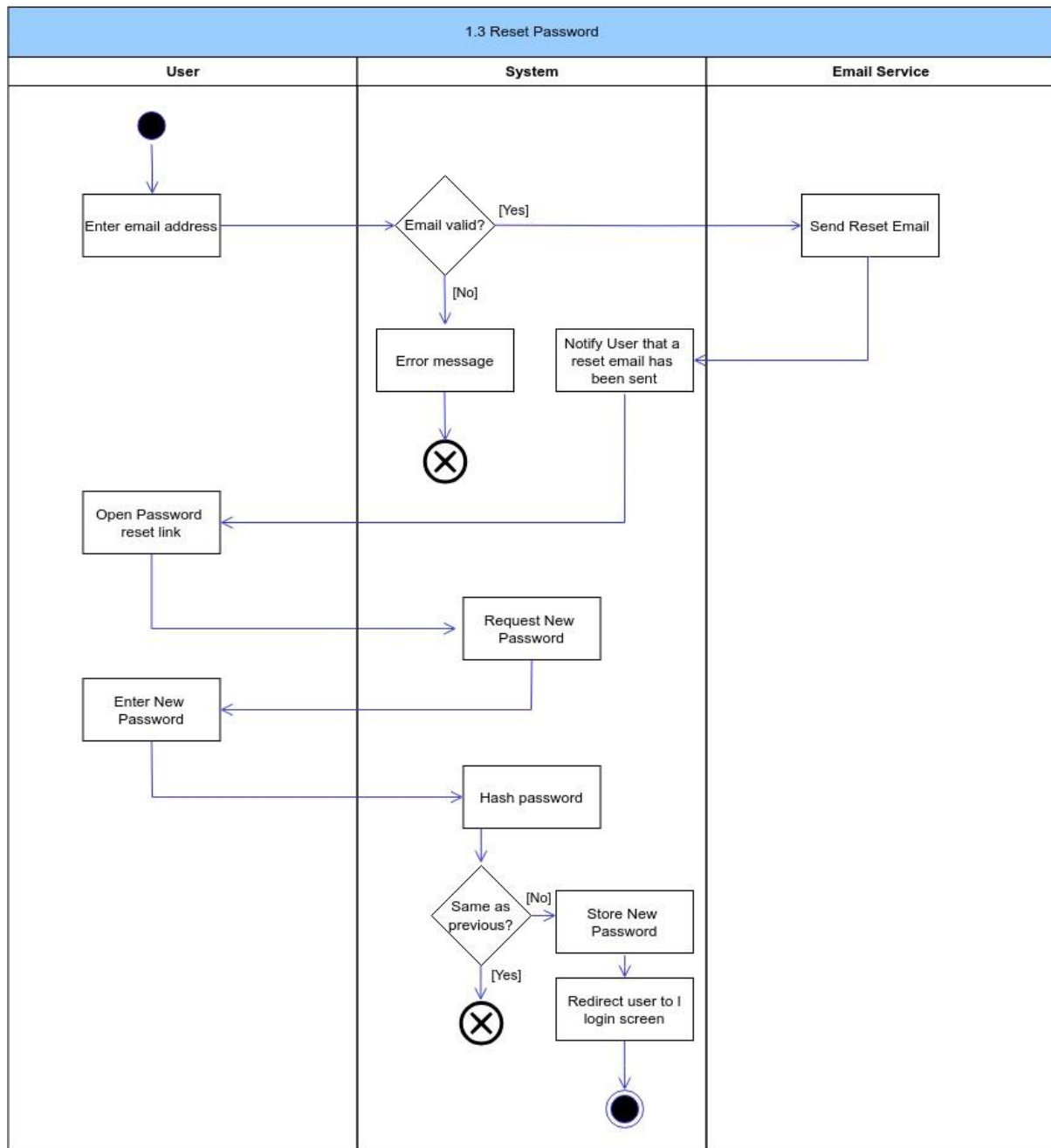


Figure 3: Reset Password Activity Diagram

2.1.4 Create User

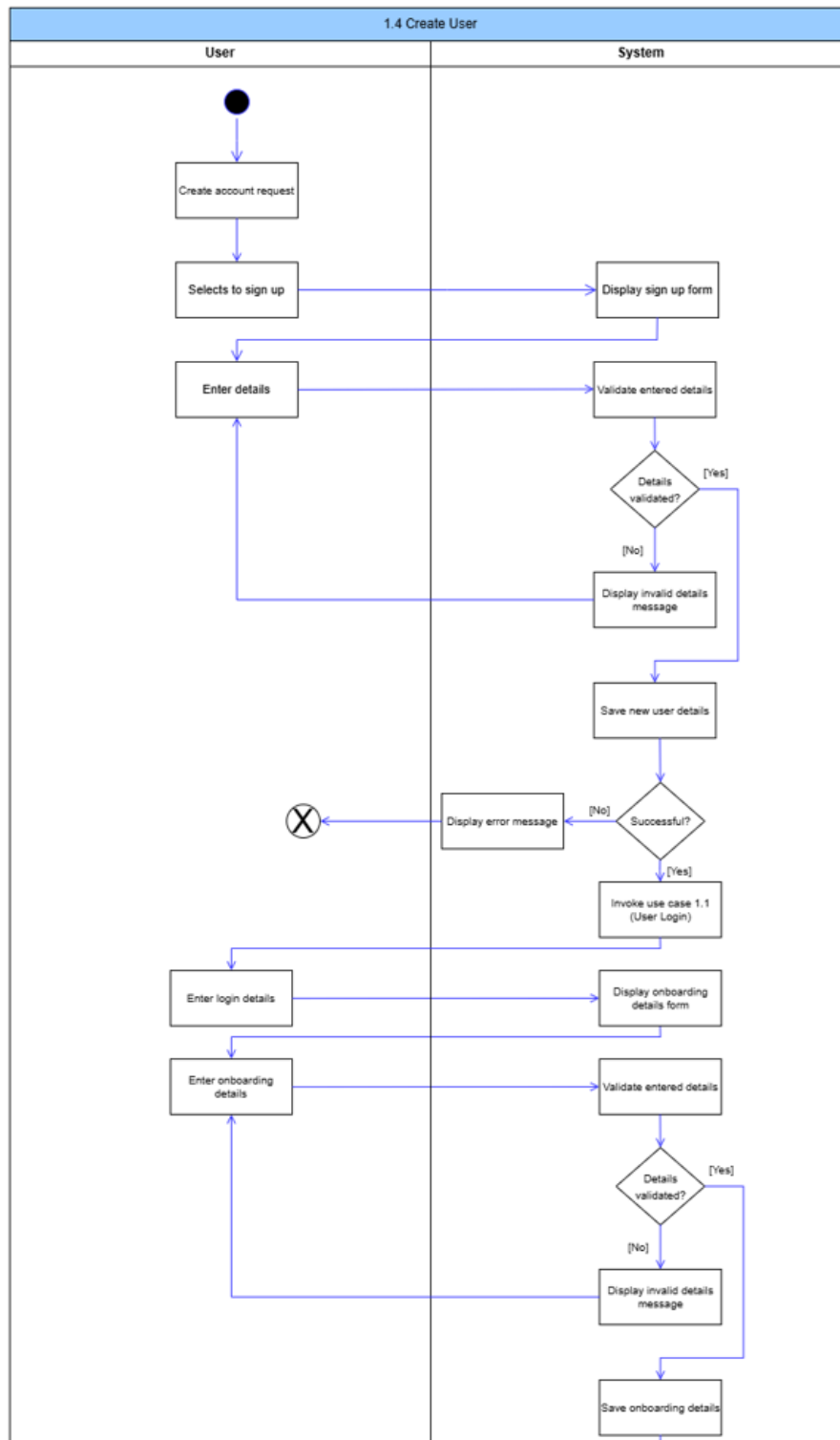


Figure 4: Create User Activity Diagram

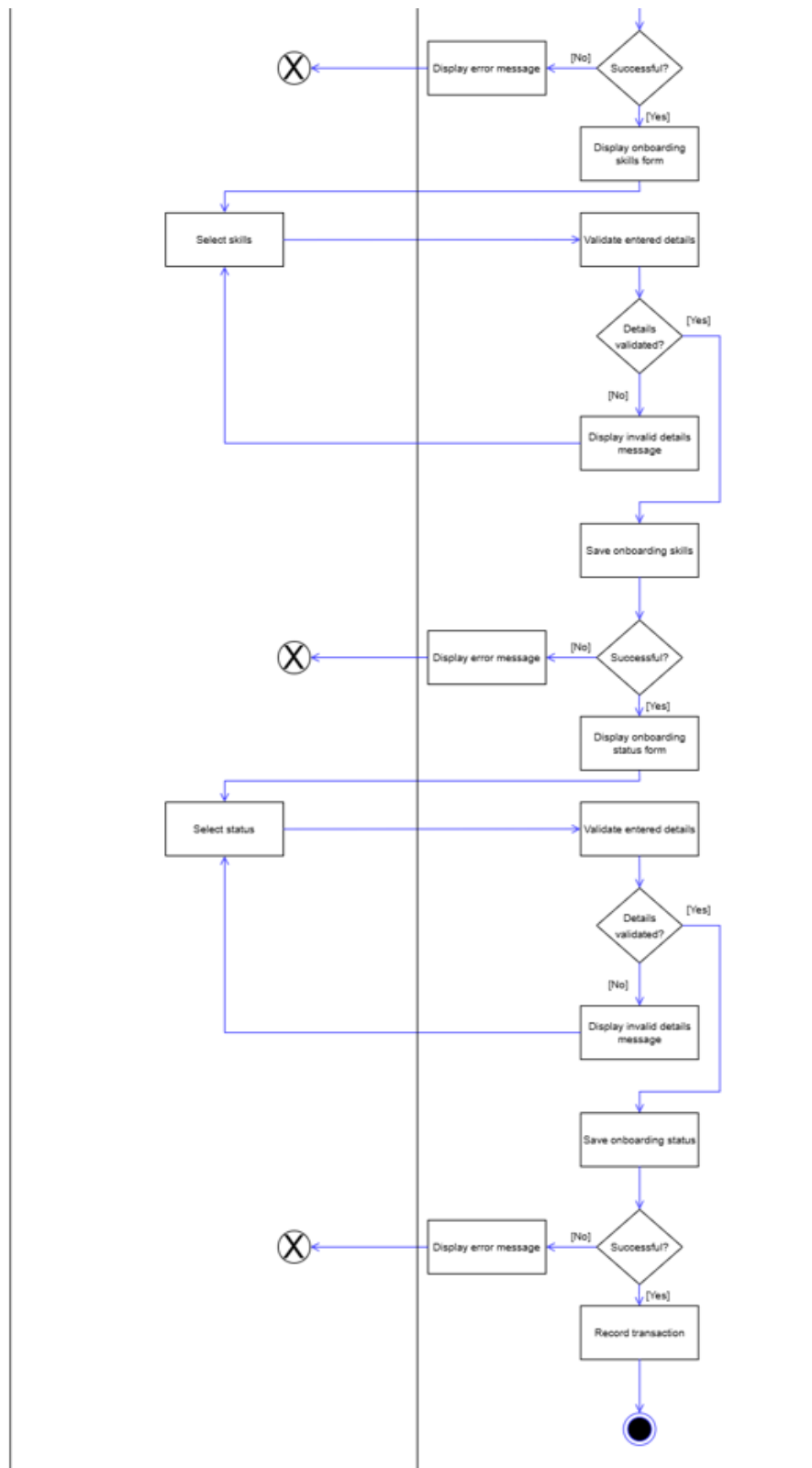


Figure 5: Create User Activity Diagram (Continued)

2.1.5 Update User

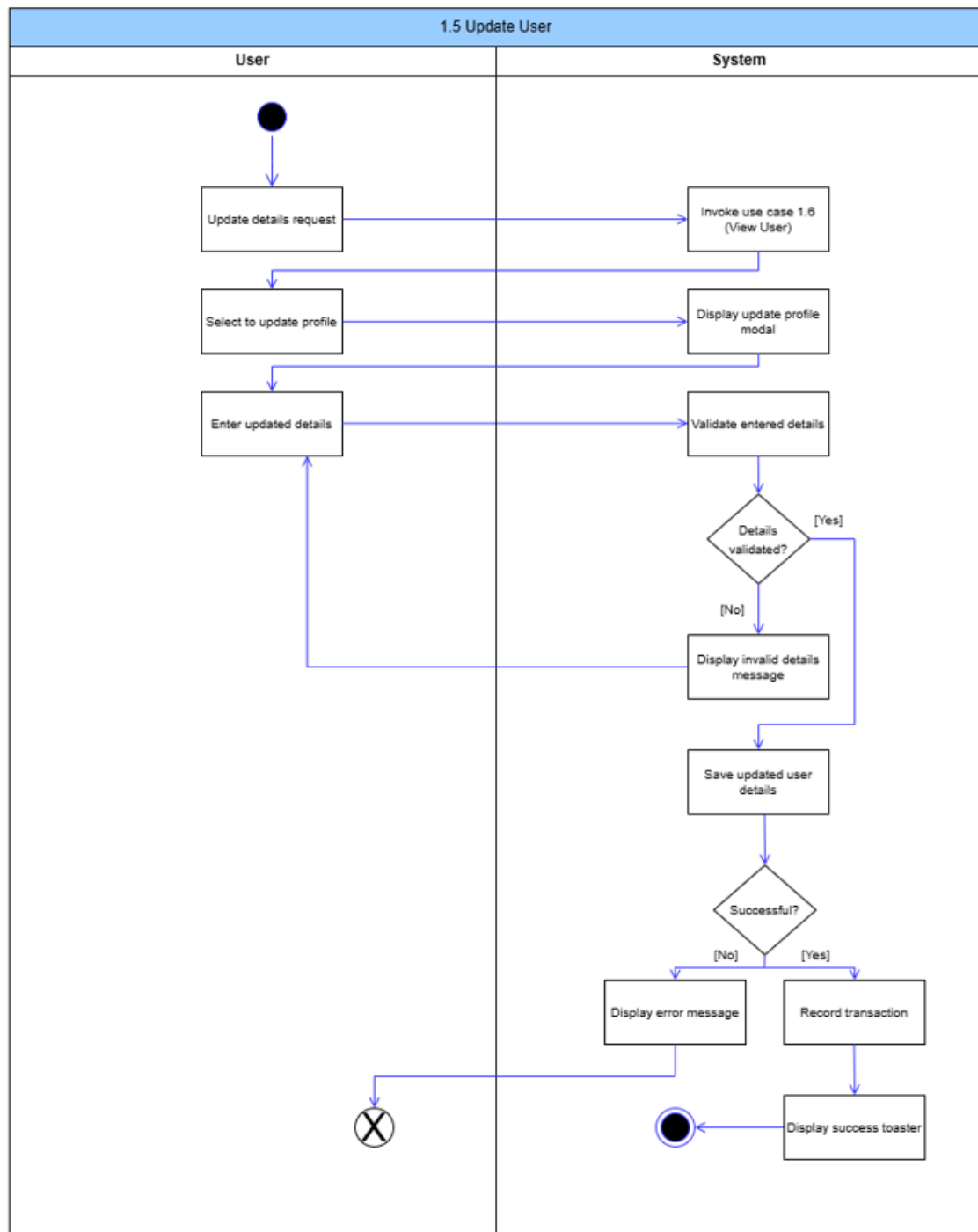


Figure 6: Update User Activity Diagram

2.1.6 View User

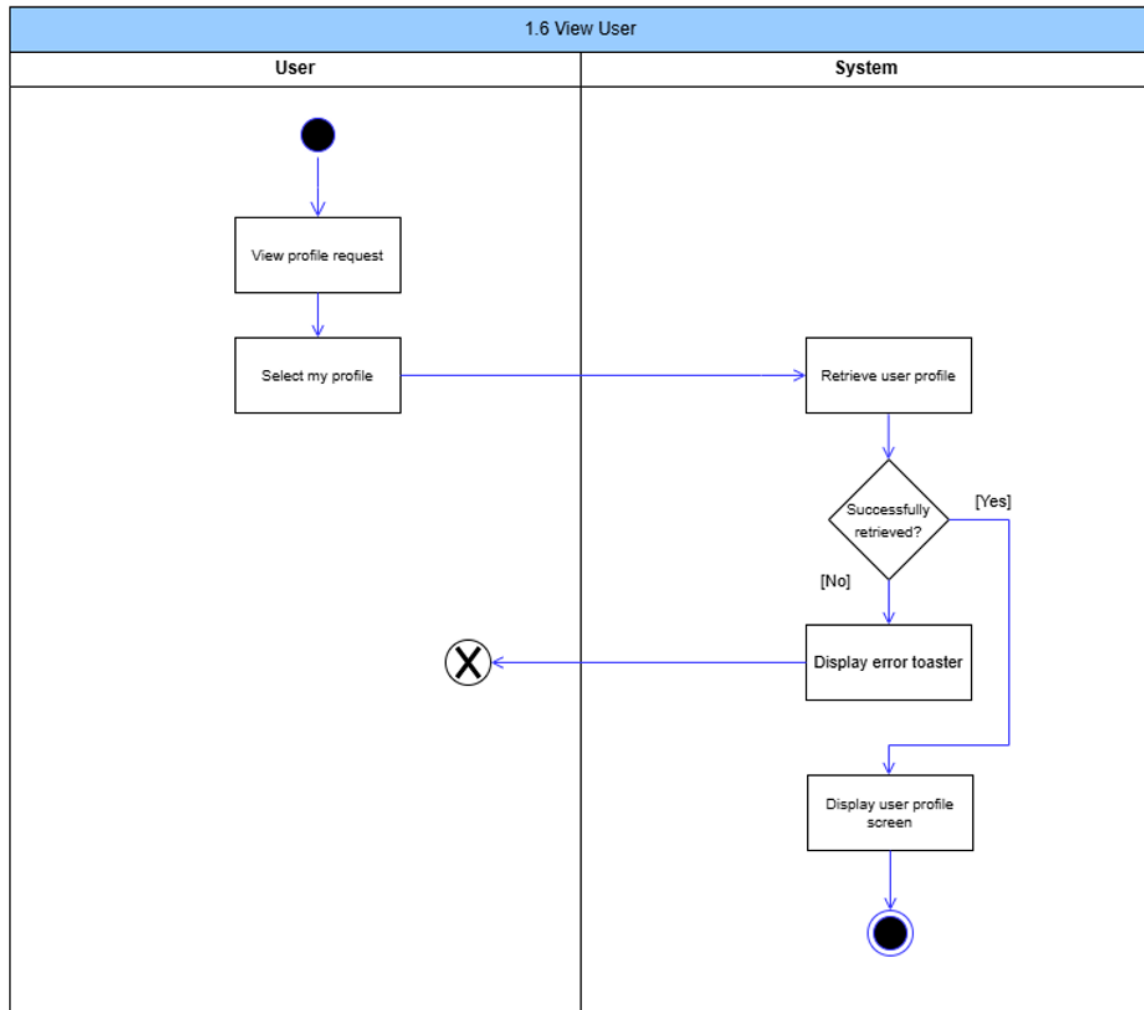


Figure 7: View User Activity Diagram

2.1.7 Reactivate User

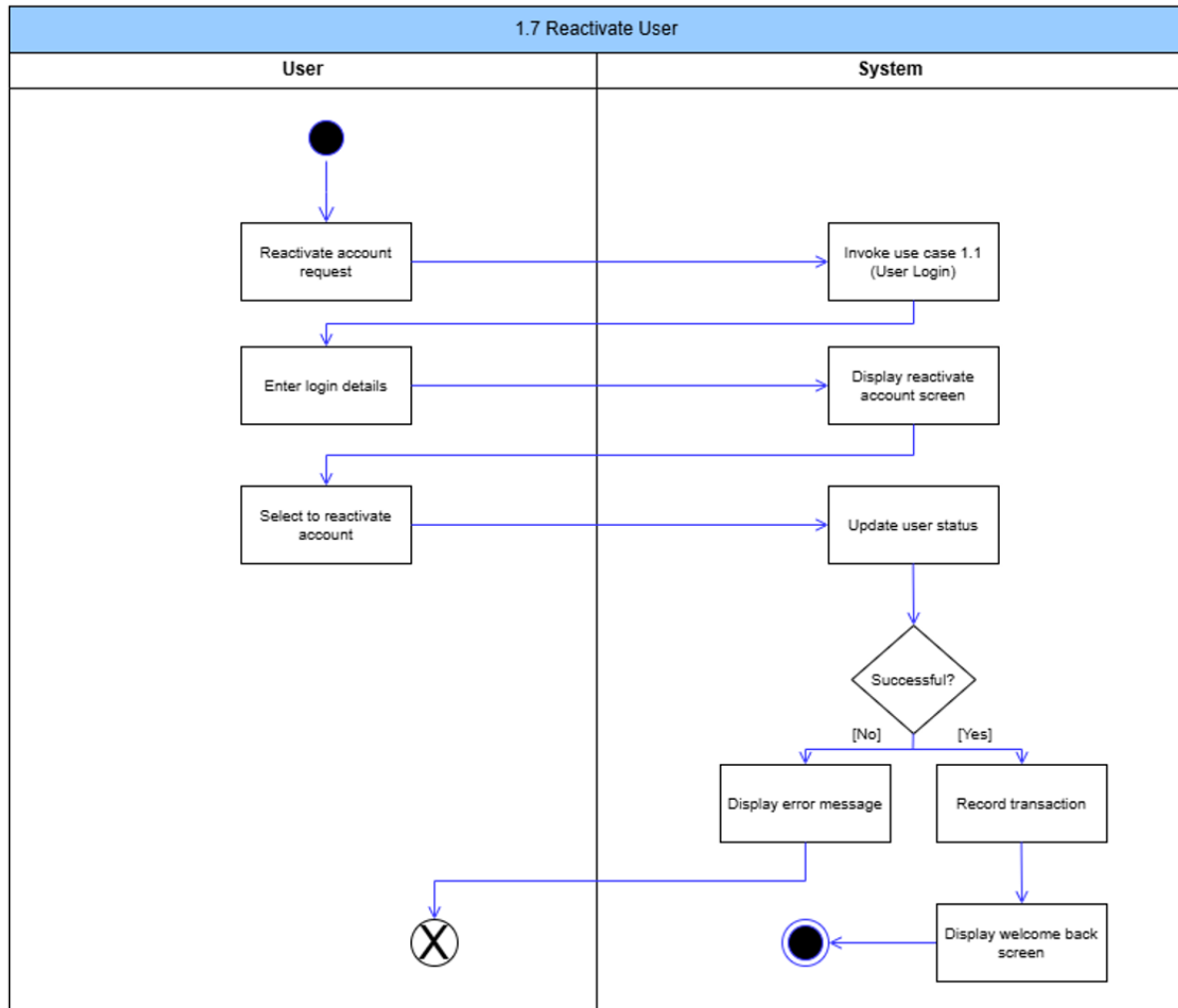


Figure 8: Reactivate User Activity Diagram

2.1.8 Deactivate User

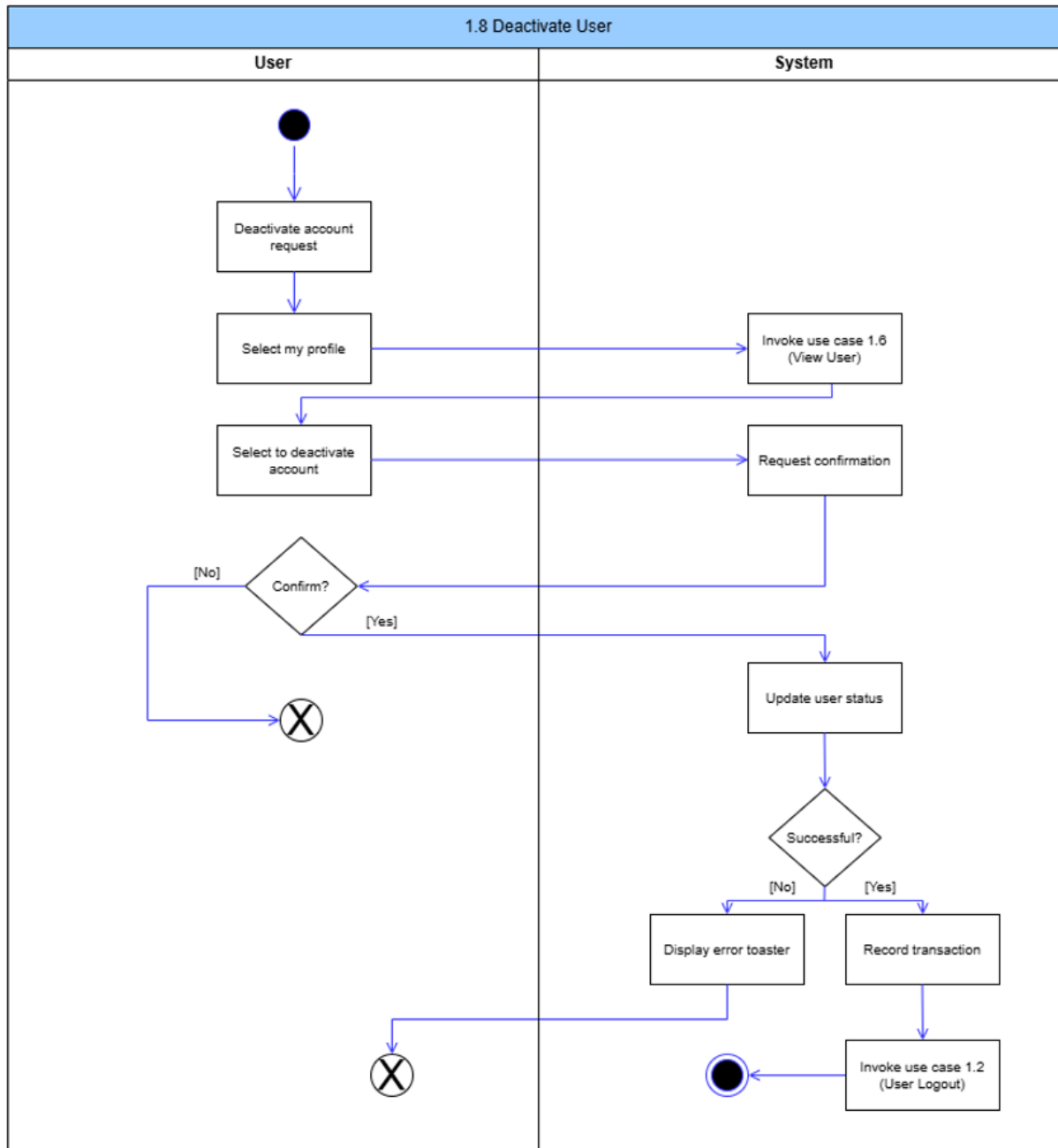


Figure 9: Deactivate User Activity Diagram

2.1.9 View FAQ

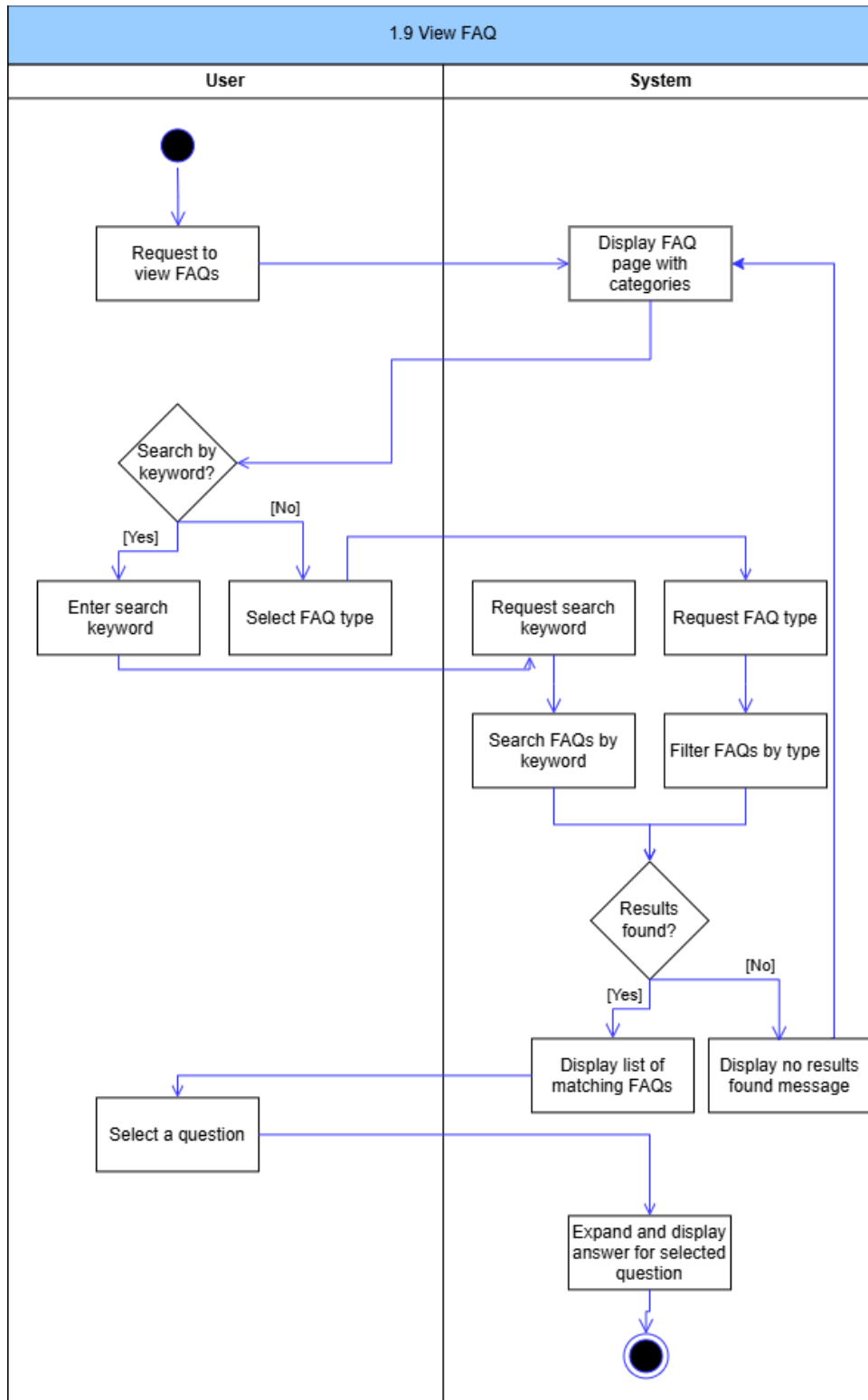


Figure 10: View FAQ Activity Diagram

2.2 Admin Subsystem Activity Diagrams

2.2.1 Create User Profile

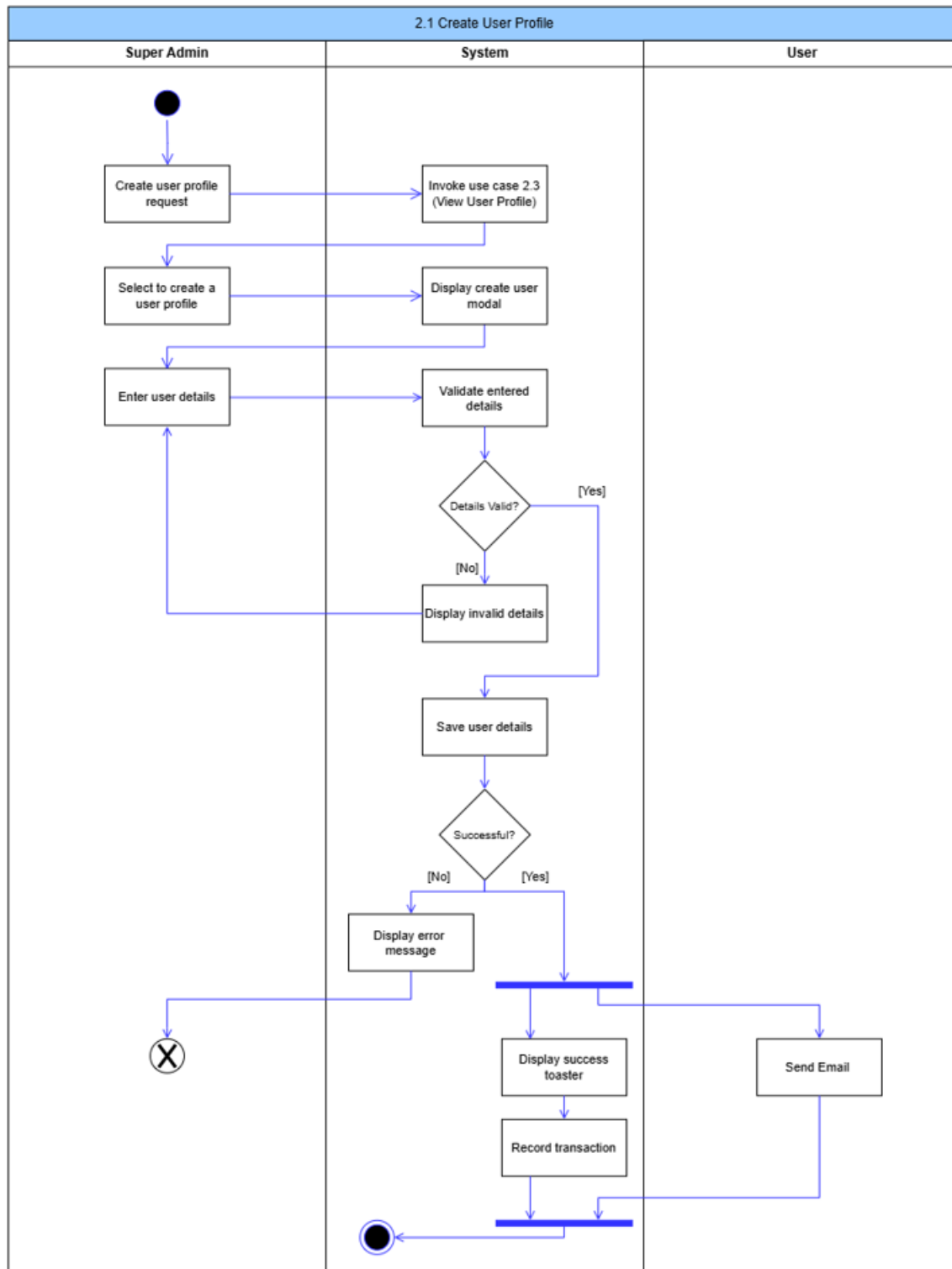


Figure 11: Create User Profile Activity Diagram

2.2.2 Update User Profile

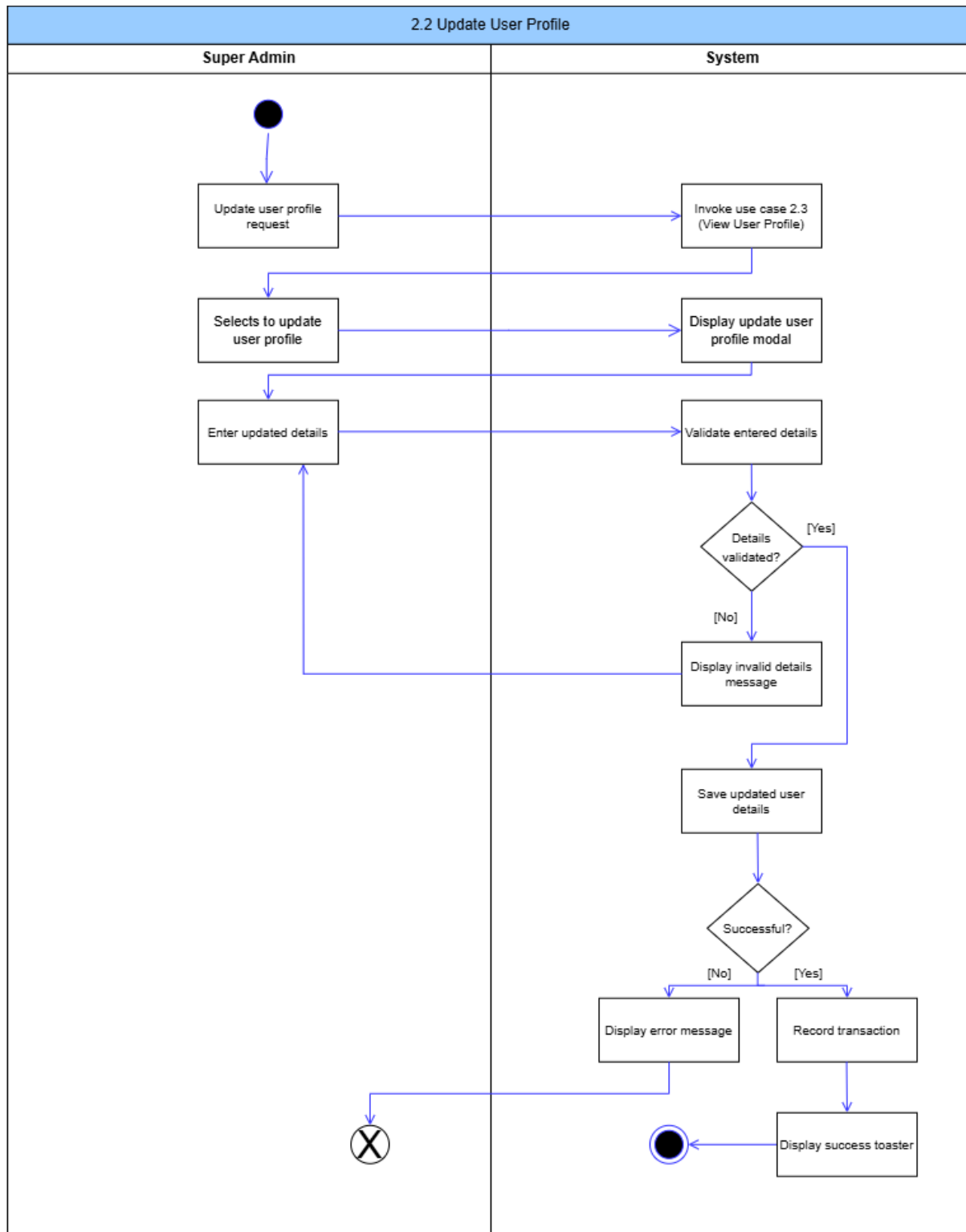


Figure 12: Update User Profile Activity Diagram

2.2.3 View User Profile

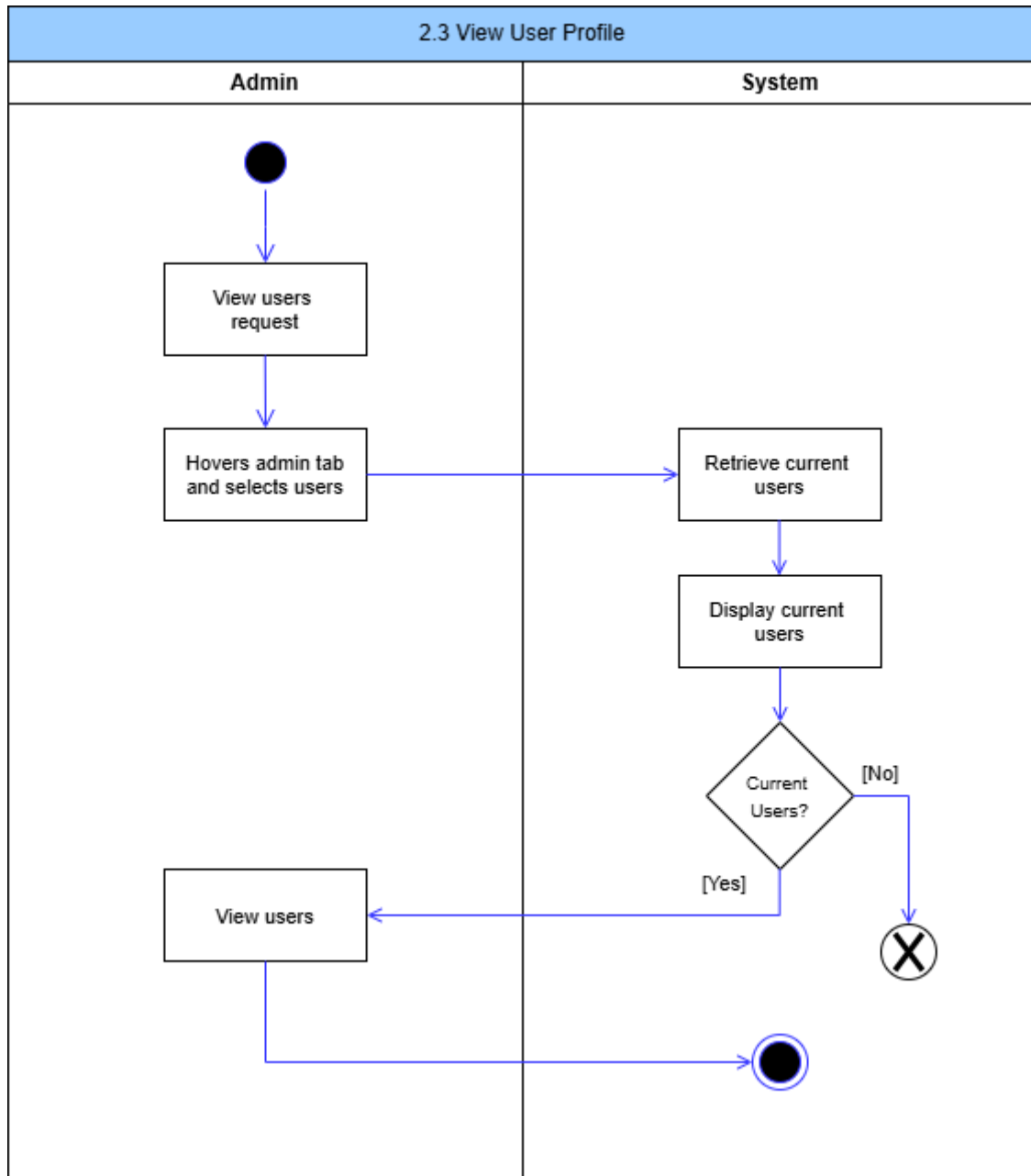


Figure 13: View User Profile Activity Diagram

2.2.4 Deactivate User

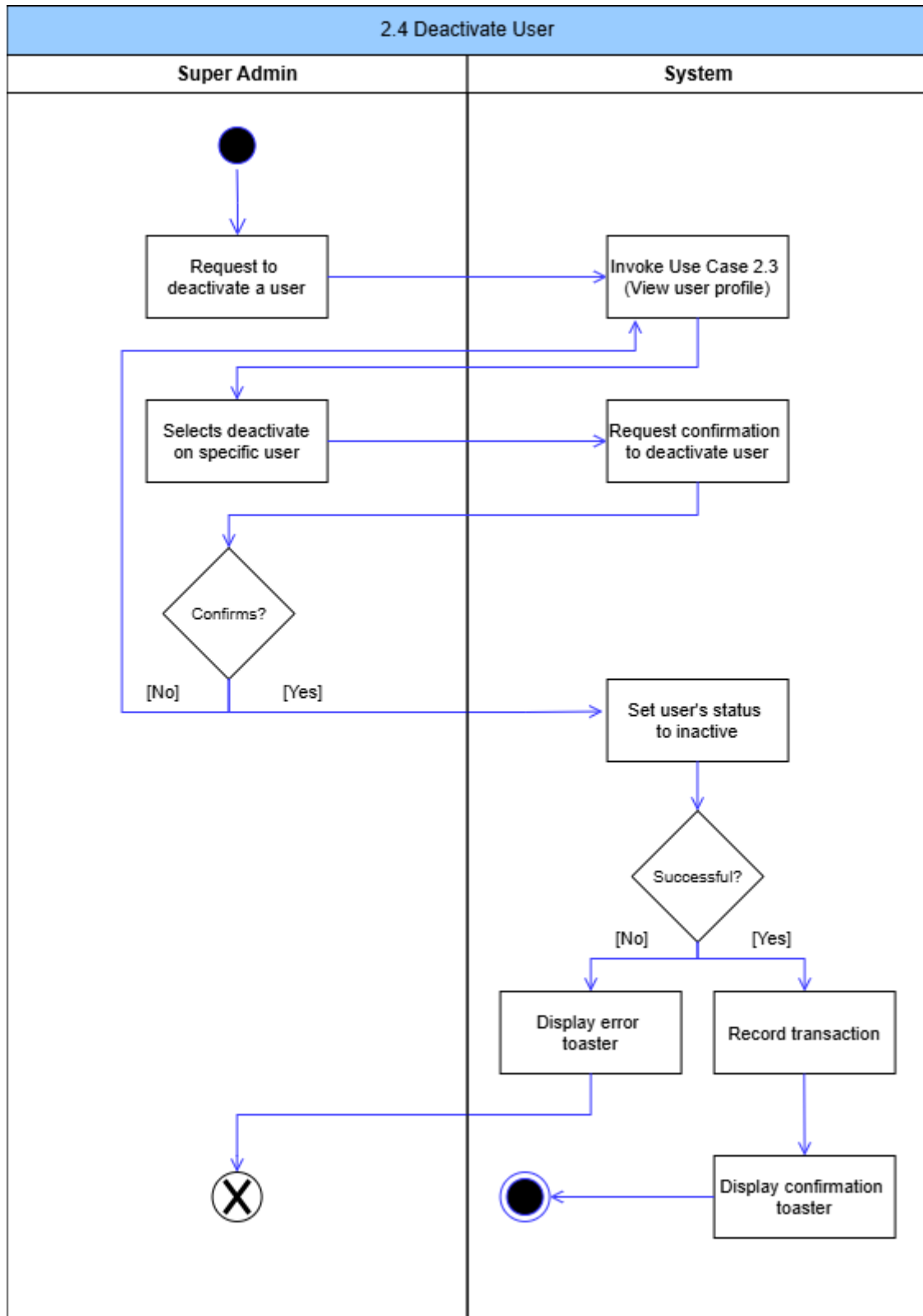


Figure 14: Deactivate User Activity Diagram

2.2.5 Add FAQ

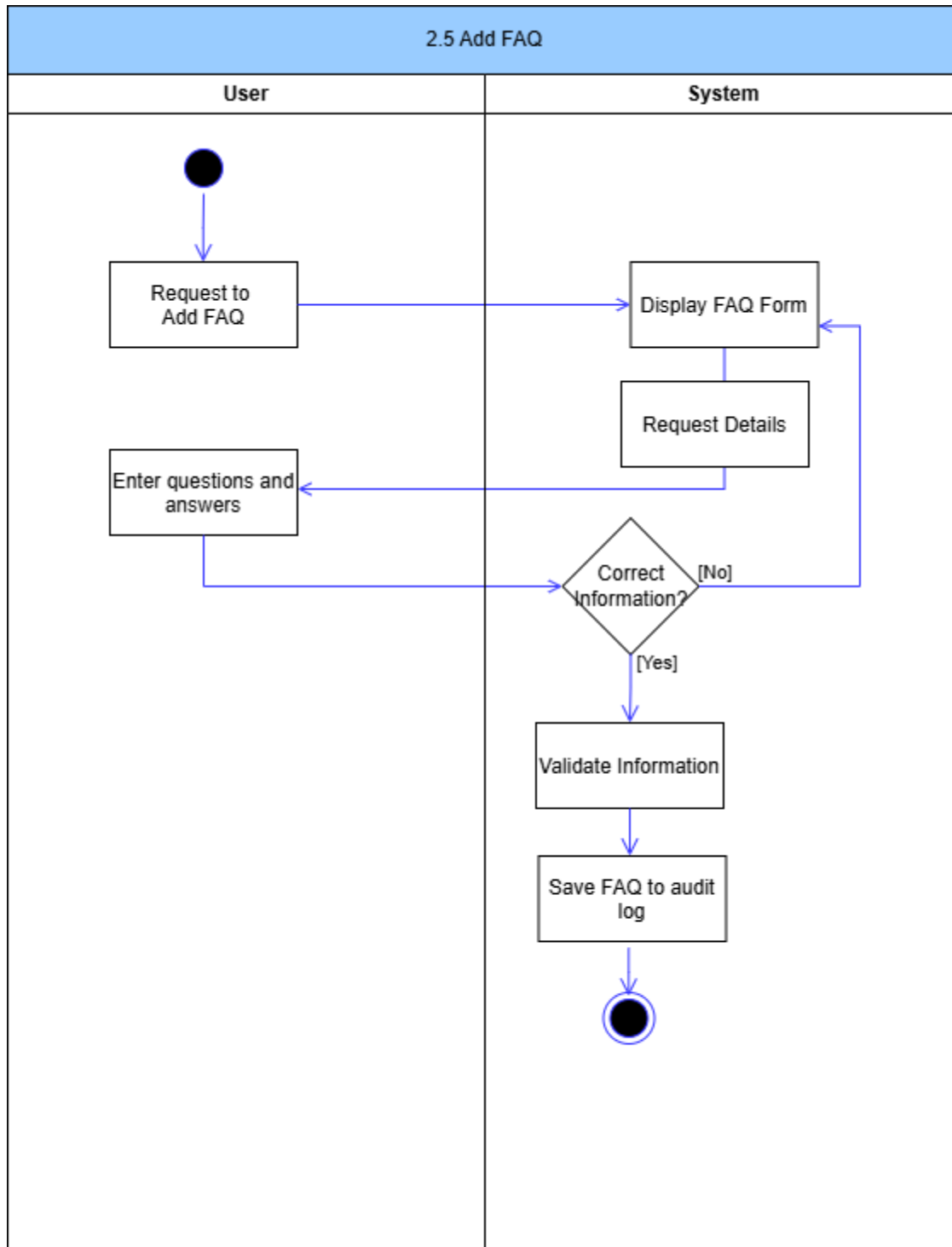


Figure 15: Add FAQ Activity Diagram

2.2.6 Update FAQ

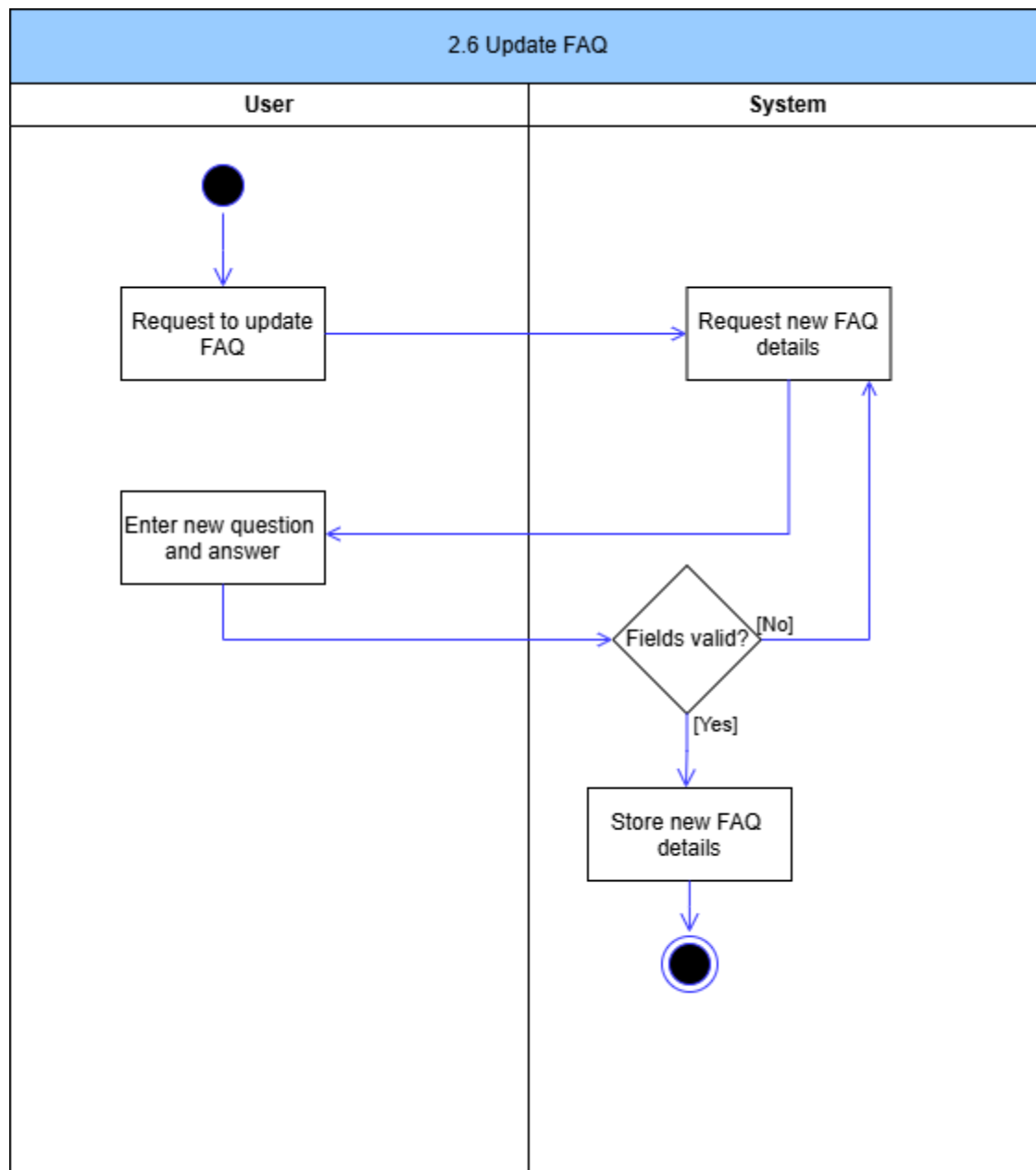


Figure 16: Update FAQ Activity Diagram

2.2.7 Remove FAQ

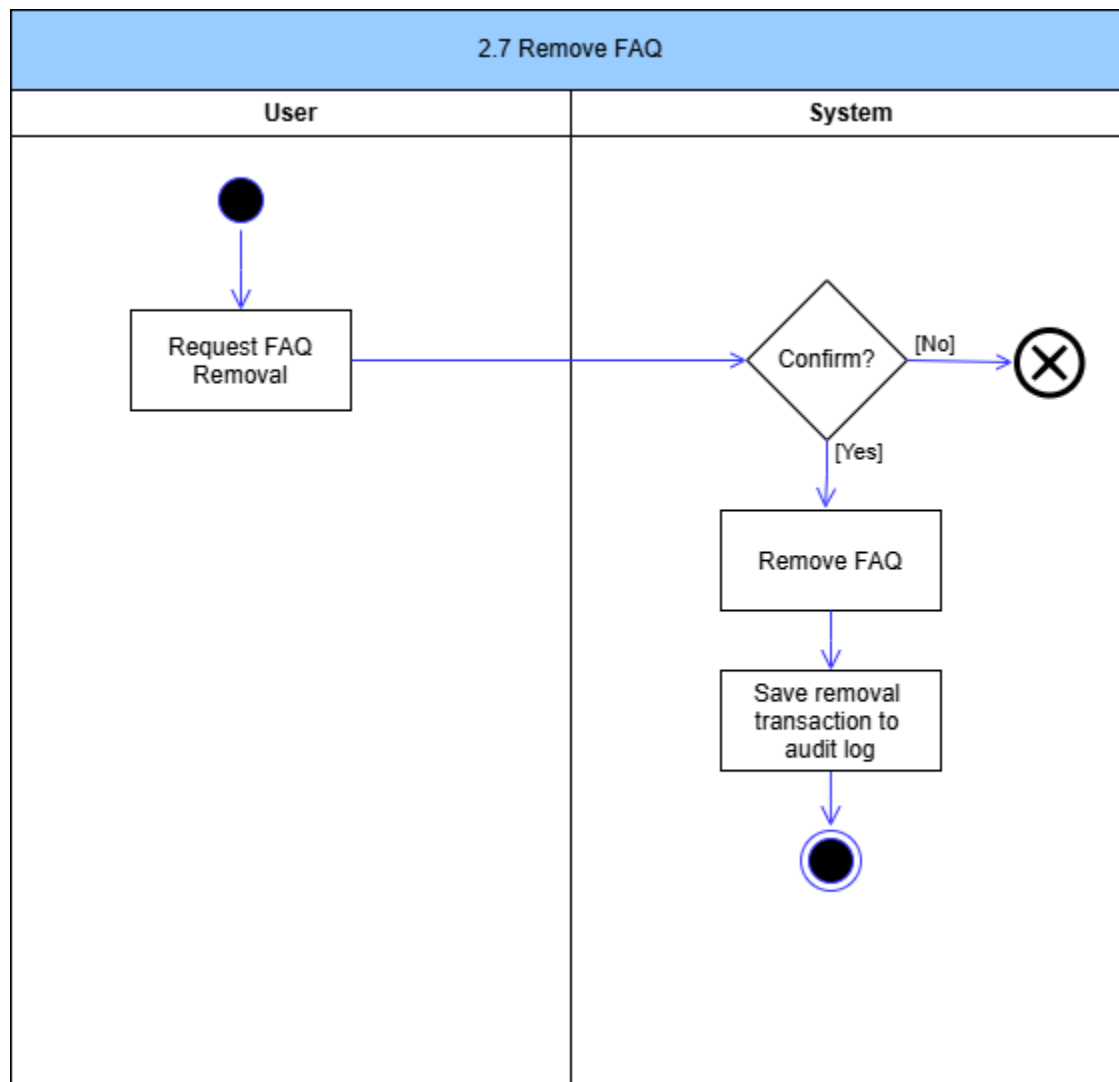


Figure 17: Remove FAQ Activity Diagram

2.2.8 Add FAQ Type

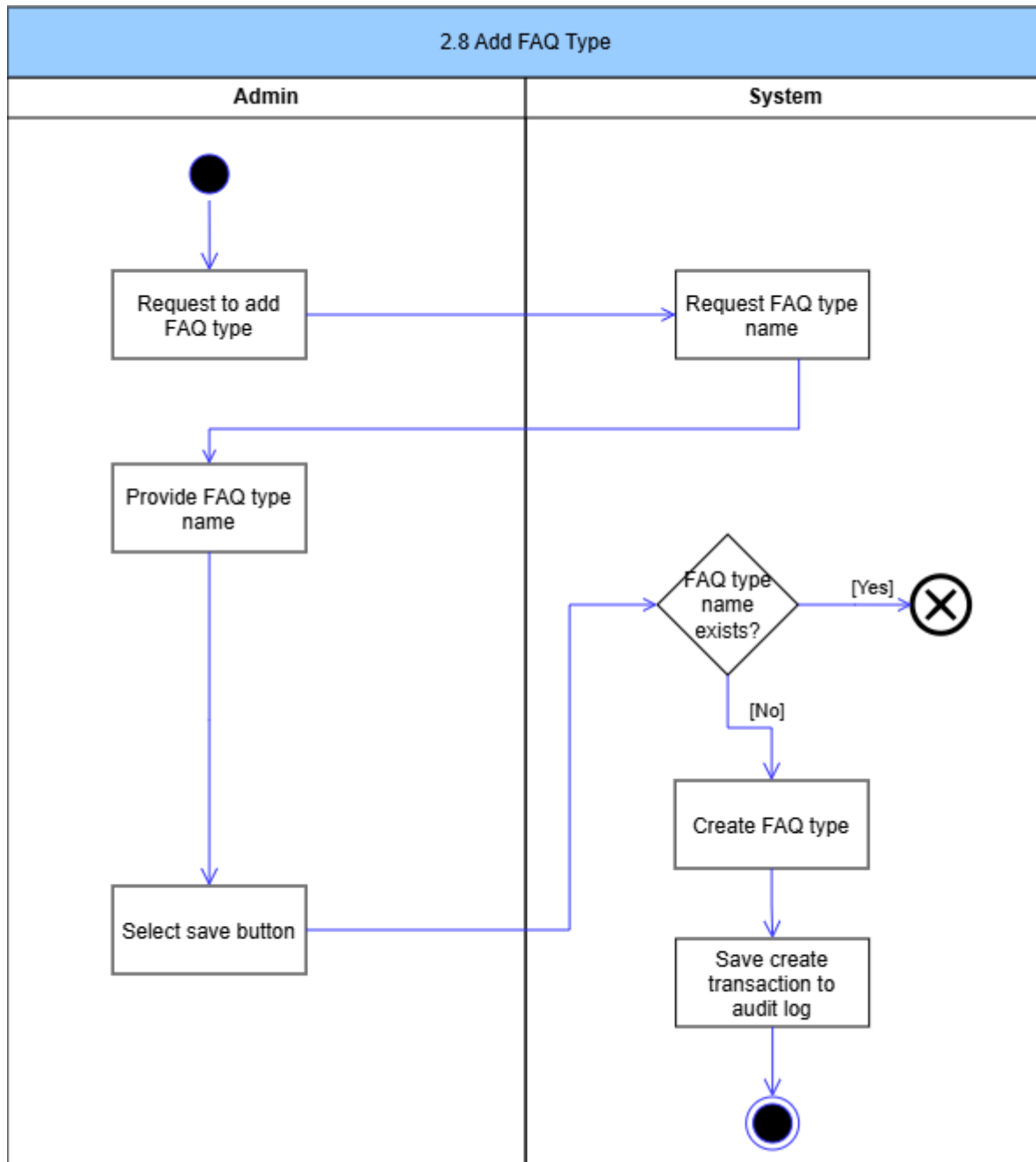


Figure 18: Add FAQ Type Activity Diagram

2.2.9 Update FAQ Type

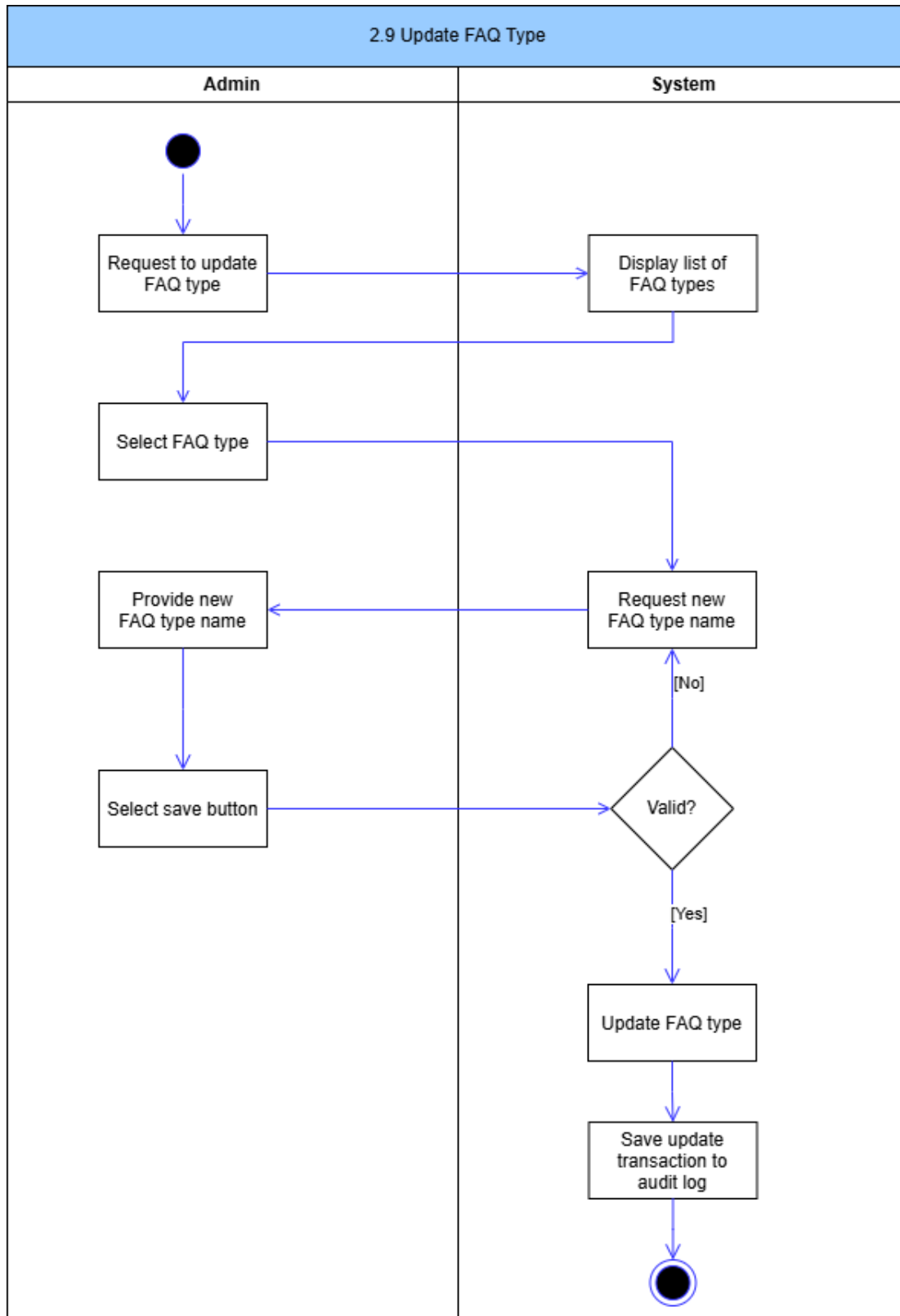


Figure 19: Update FAQ Type Activity Diagram

2.2.10 Remove FAQ Type

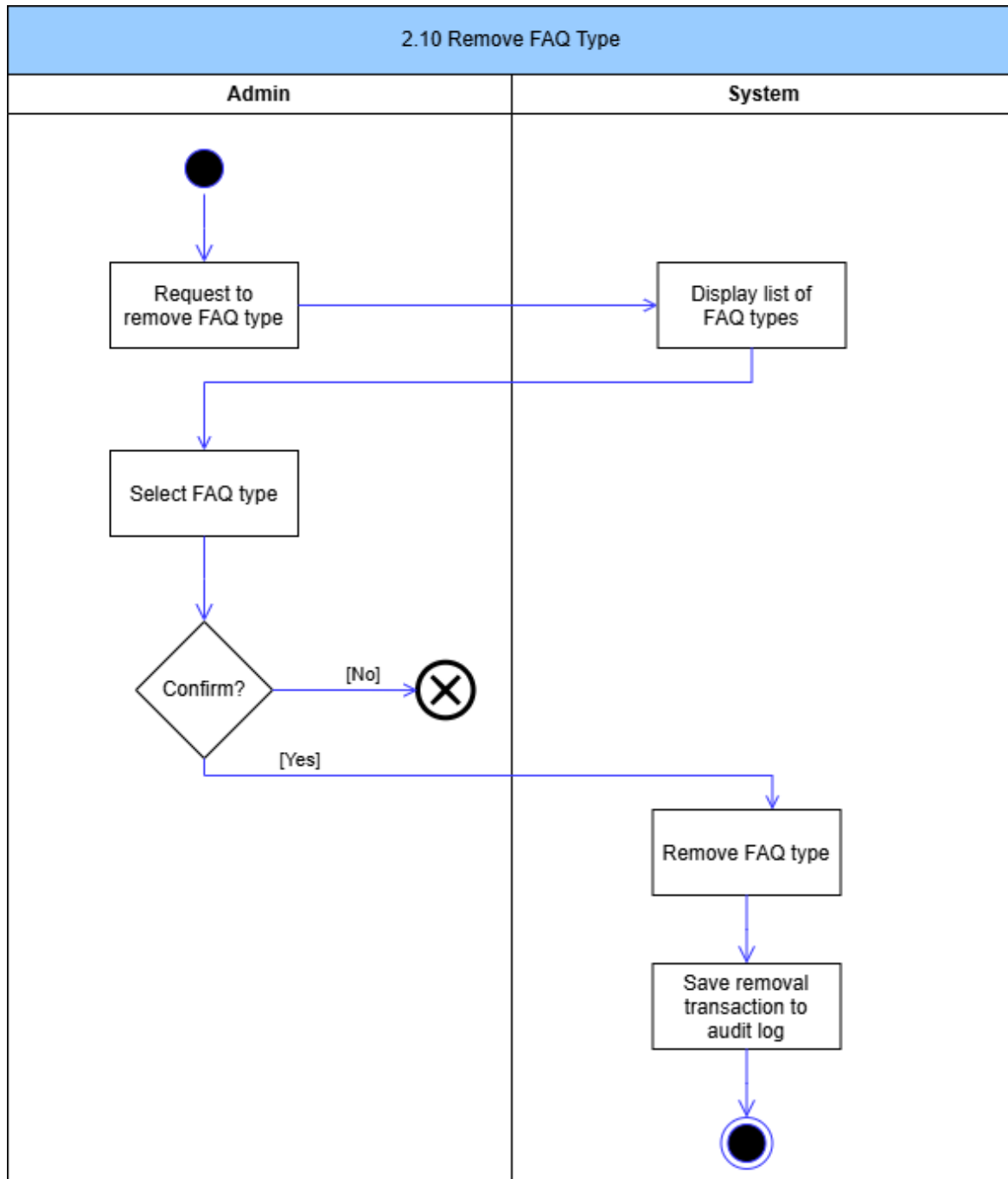


Figure 20: Remove FAQ Type Activity Diagram

2.2.11 Create Role

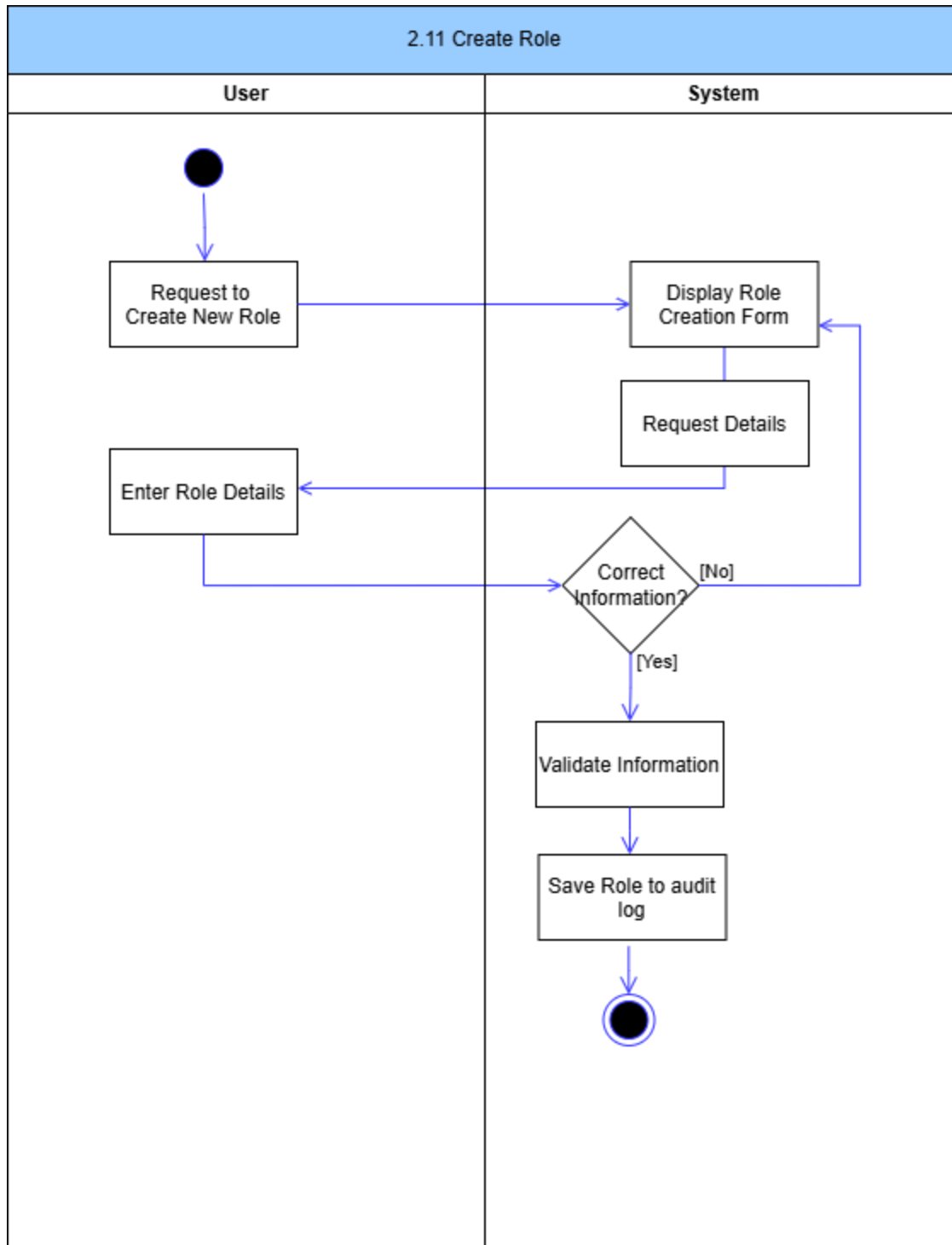


Figure 21: Create Role Activity Diagram

2.2.12 View Role

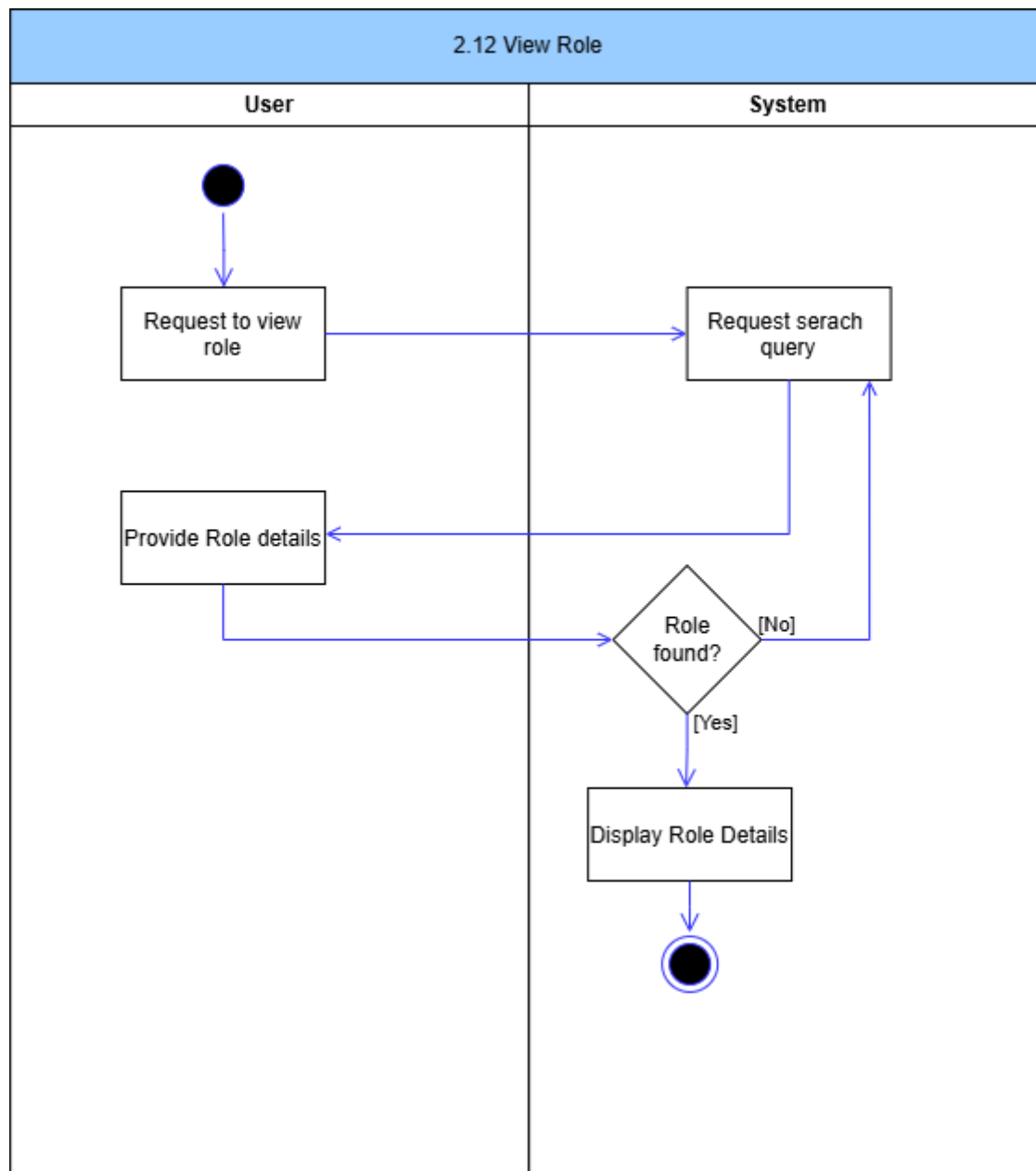


Figure 22: View Role Activity Diagram

2.2.13 Update Role

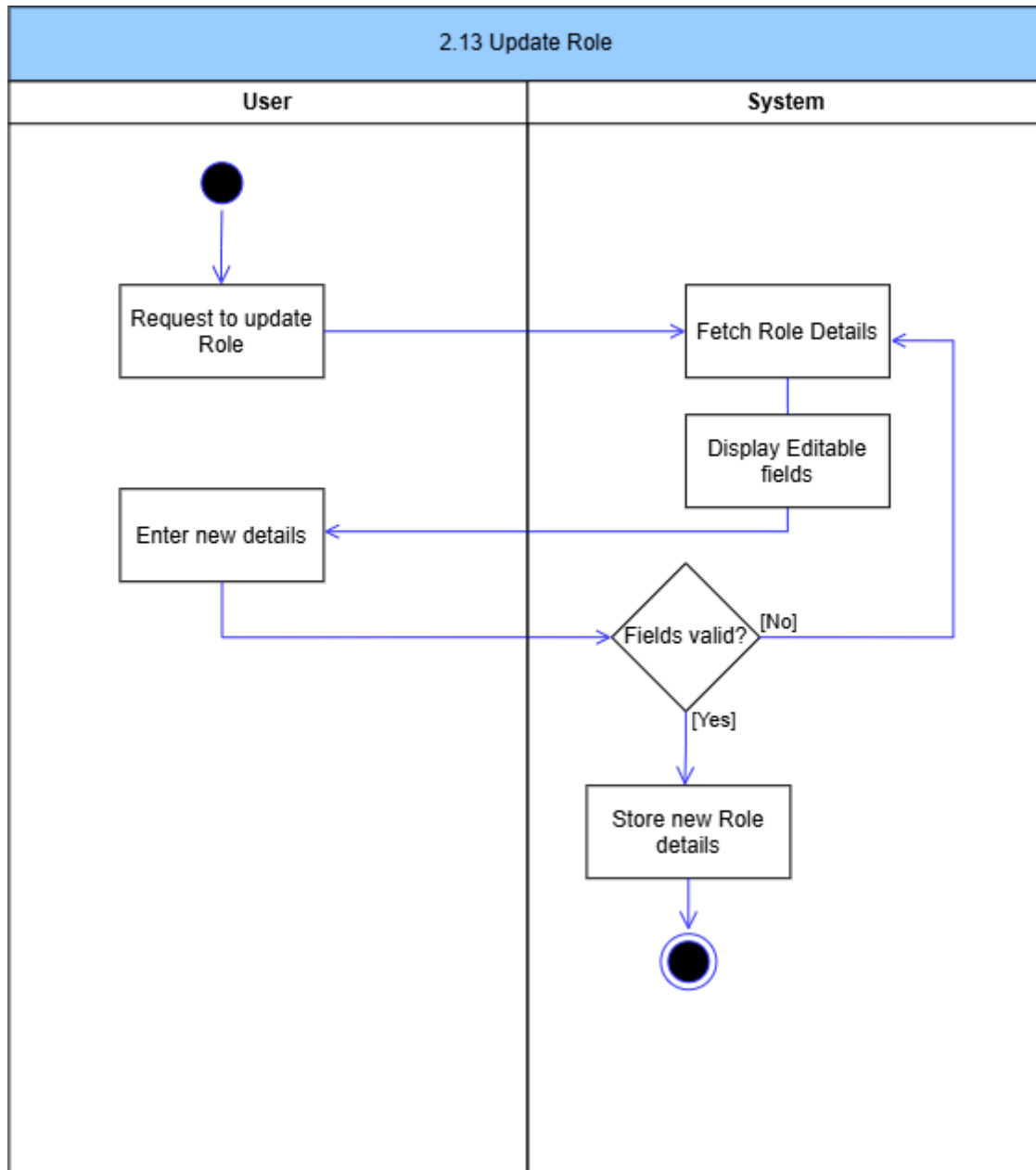


Figure 23: Update Role Activity Diagram

2.2.14 Reactivate Role

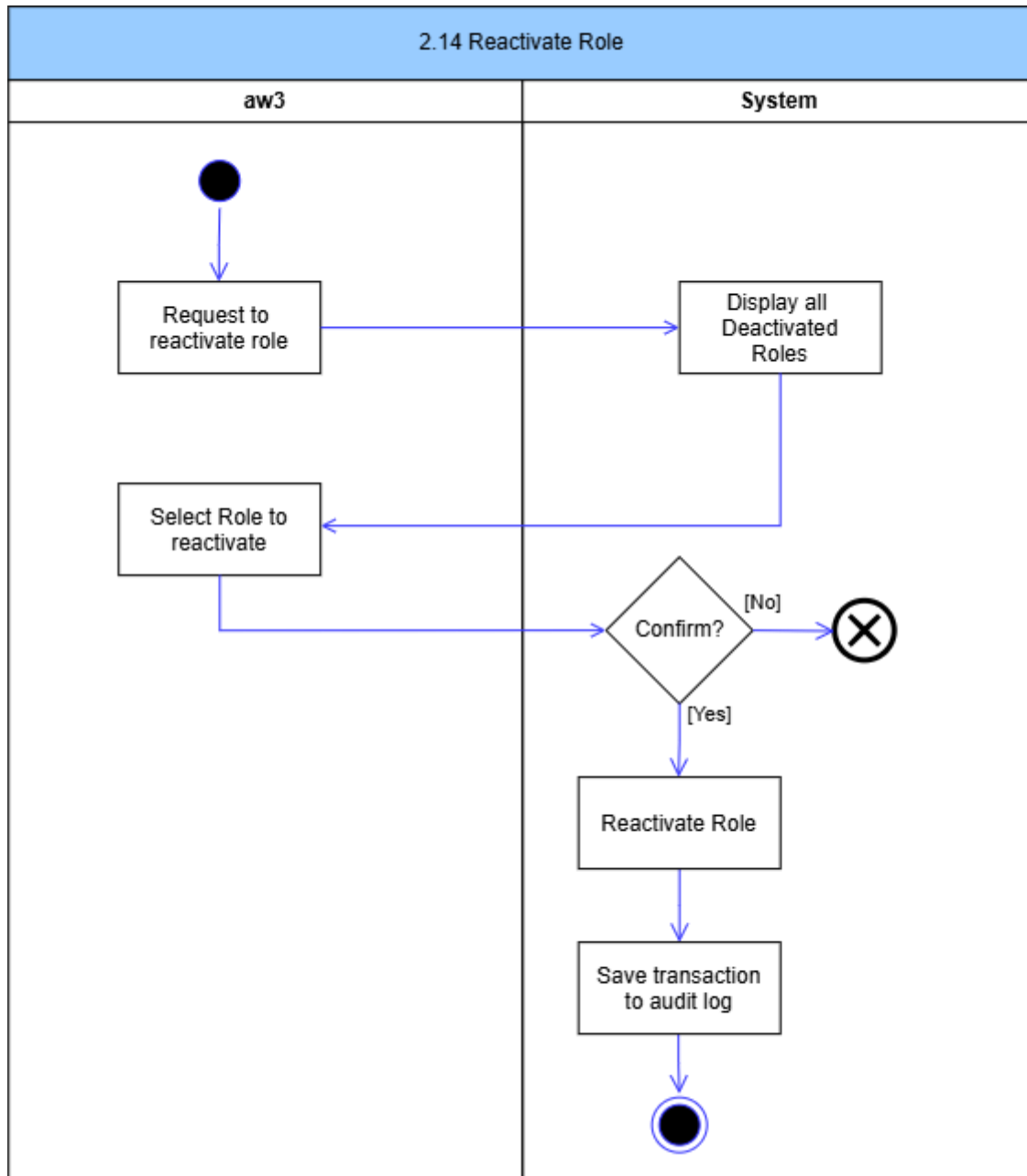


Figure 24: Reactivate Role Activity Diagram

2.2.15 Deactivate Role

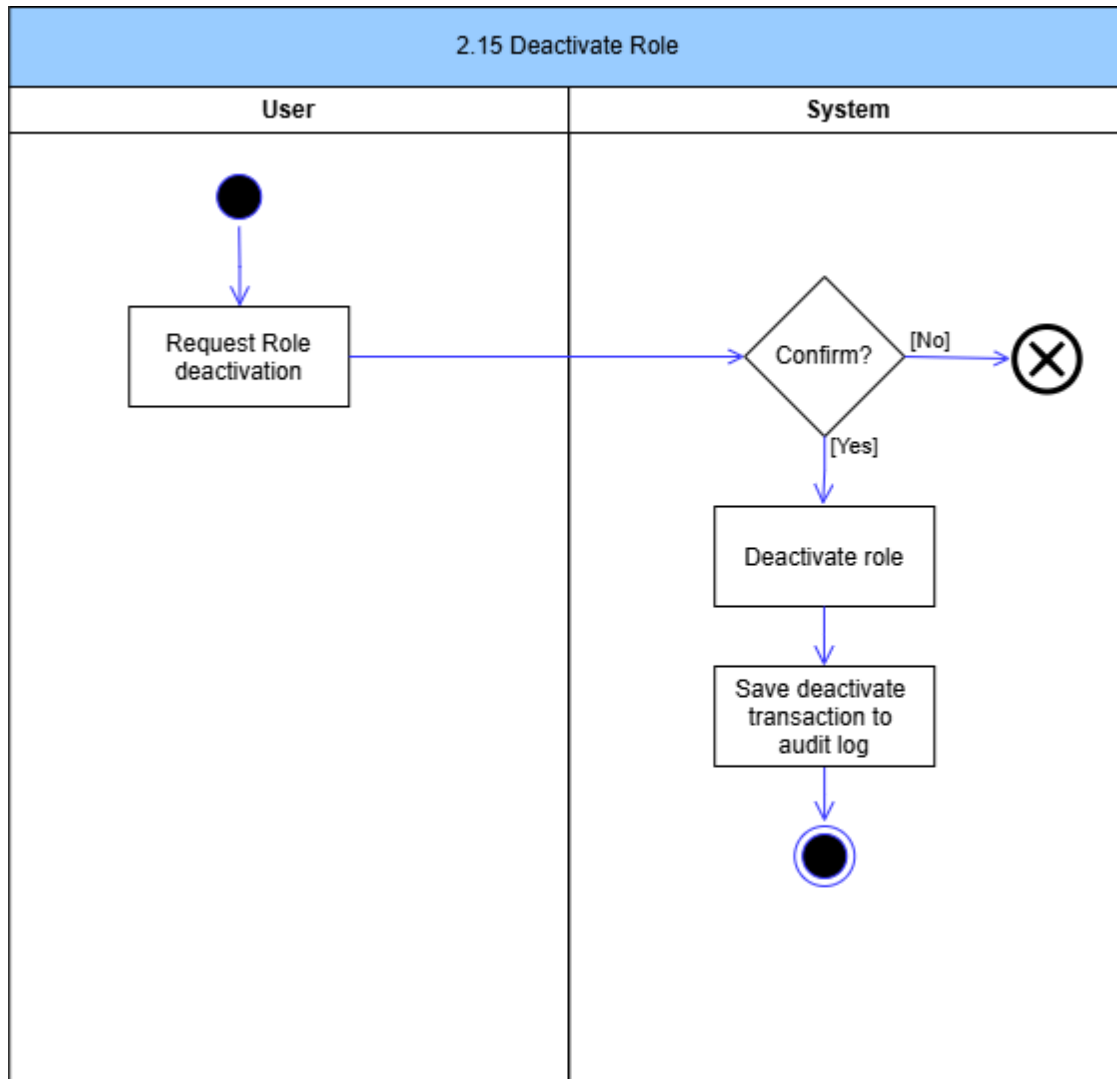


Figure 25: Deactivate Role Activity Diagram

2.2.16 Update Role Permission

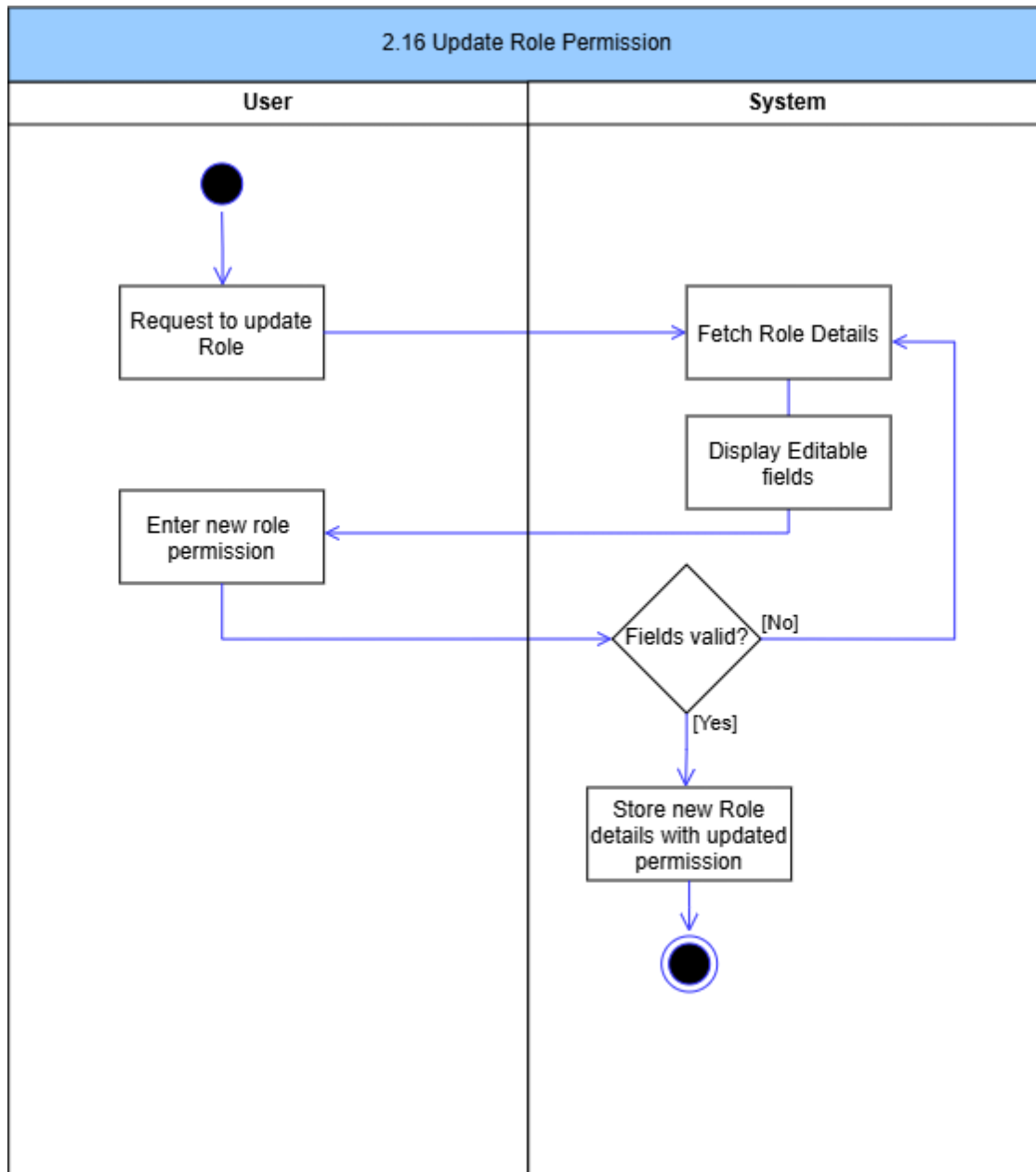


Figure 26: Update Role Permission Activity Diagram

2.2.17 View Role Permission

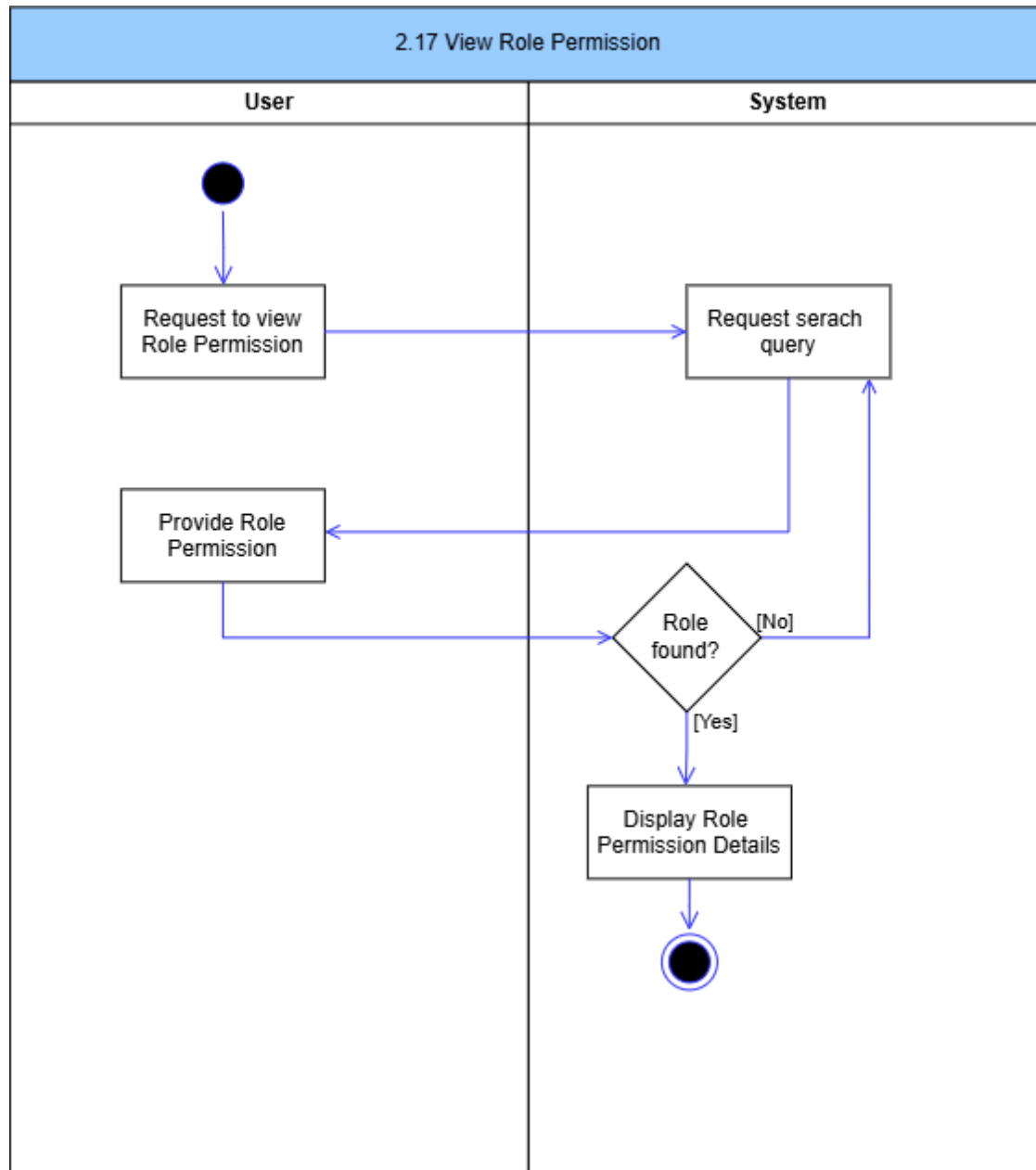


Figure 27: View Role Permission Activity Diagram

2.3 Inventory Subsystem Activity Diagrams

2.3.1 Receive Inventory Item

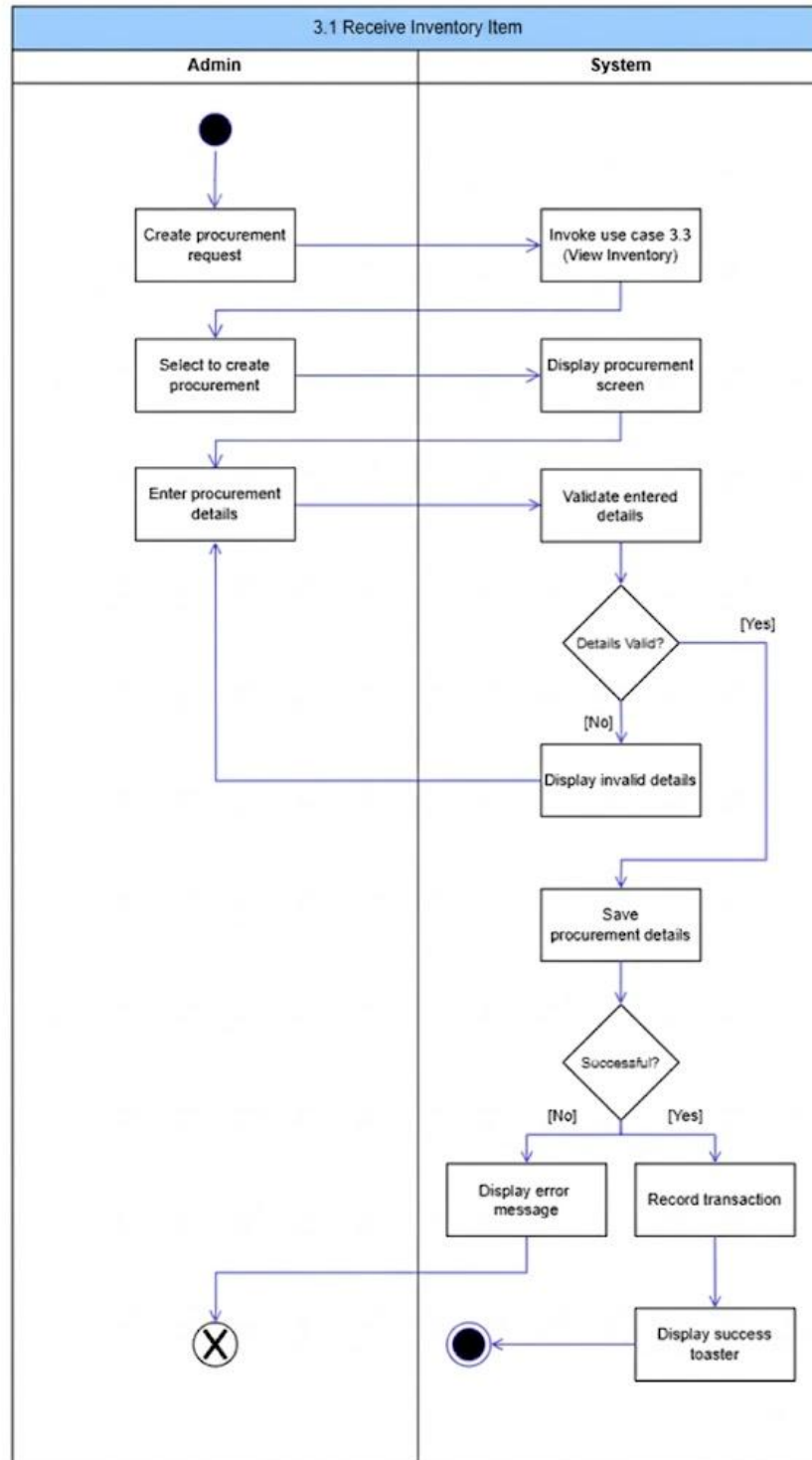


Figure 28: Receive Inventory Item Activity Diagram

2.3.2 View Inventory

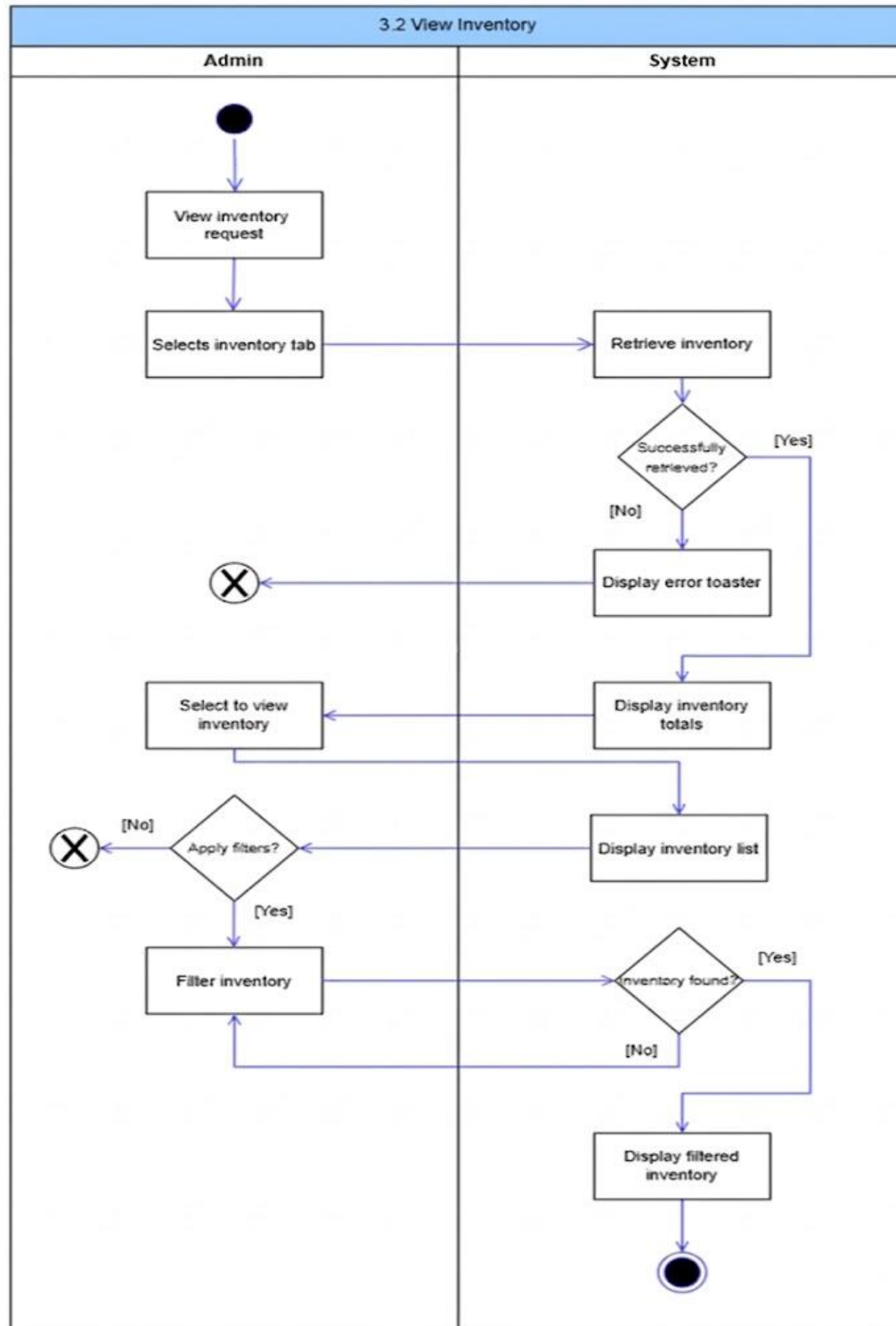


Figure 29: View Inventory Activity Diagram

2.3.3 Write Off Inventory

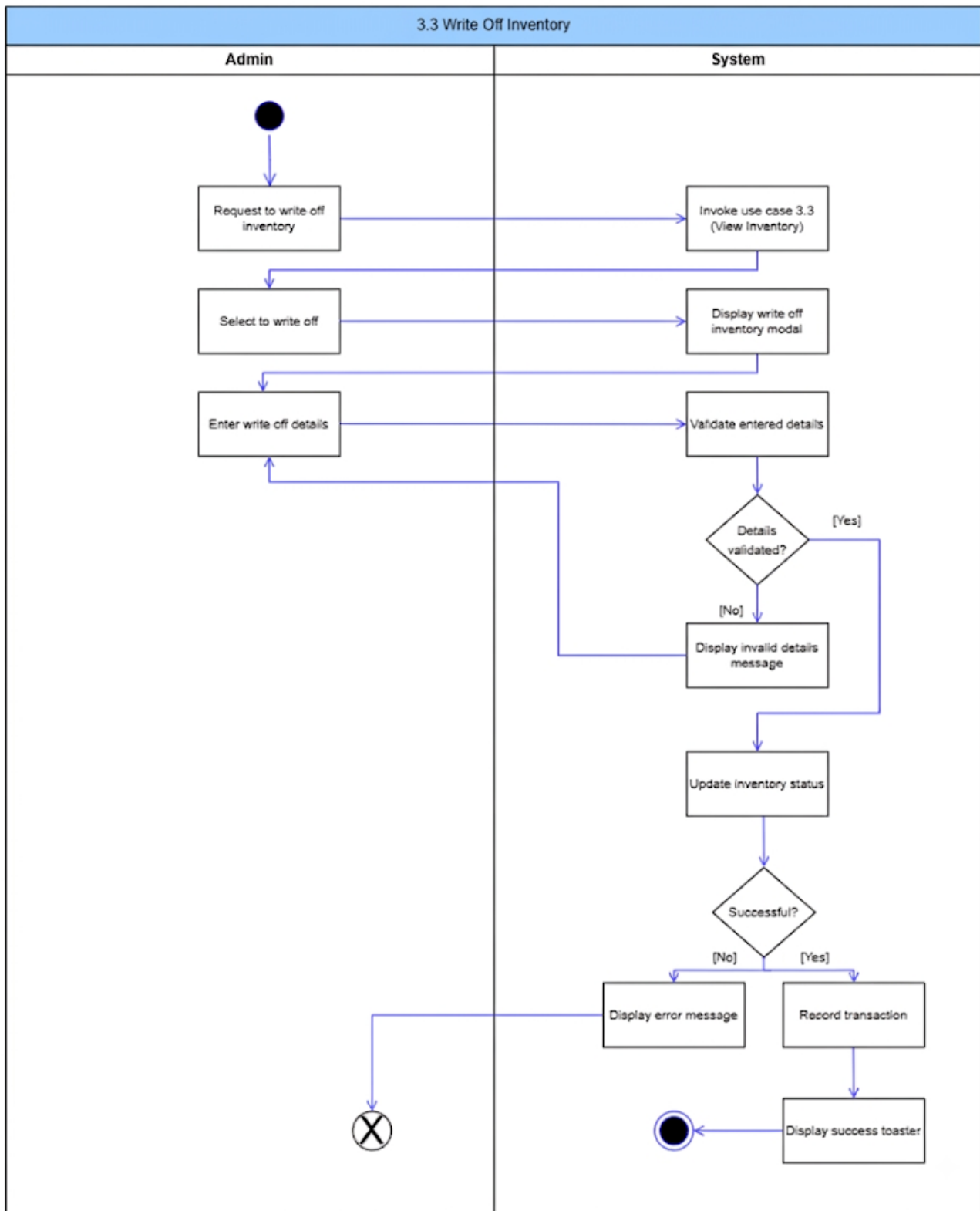


Figure 30: Write Off Inventory Activity Diagram

2.3.4 Allocate Inventory

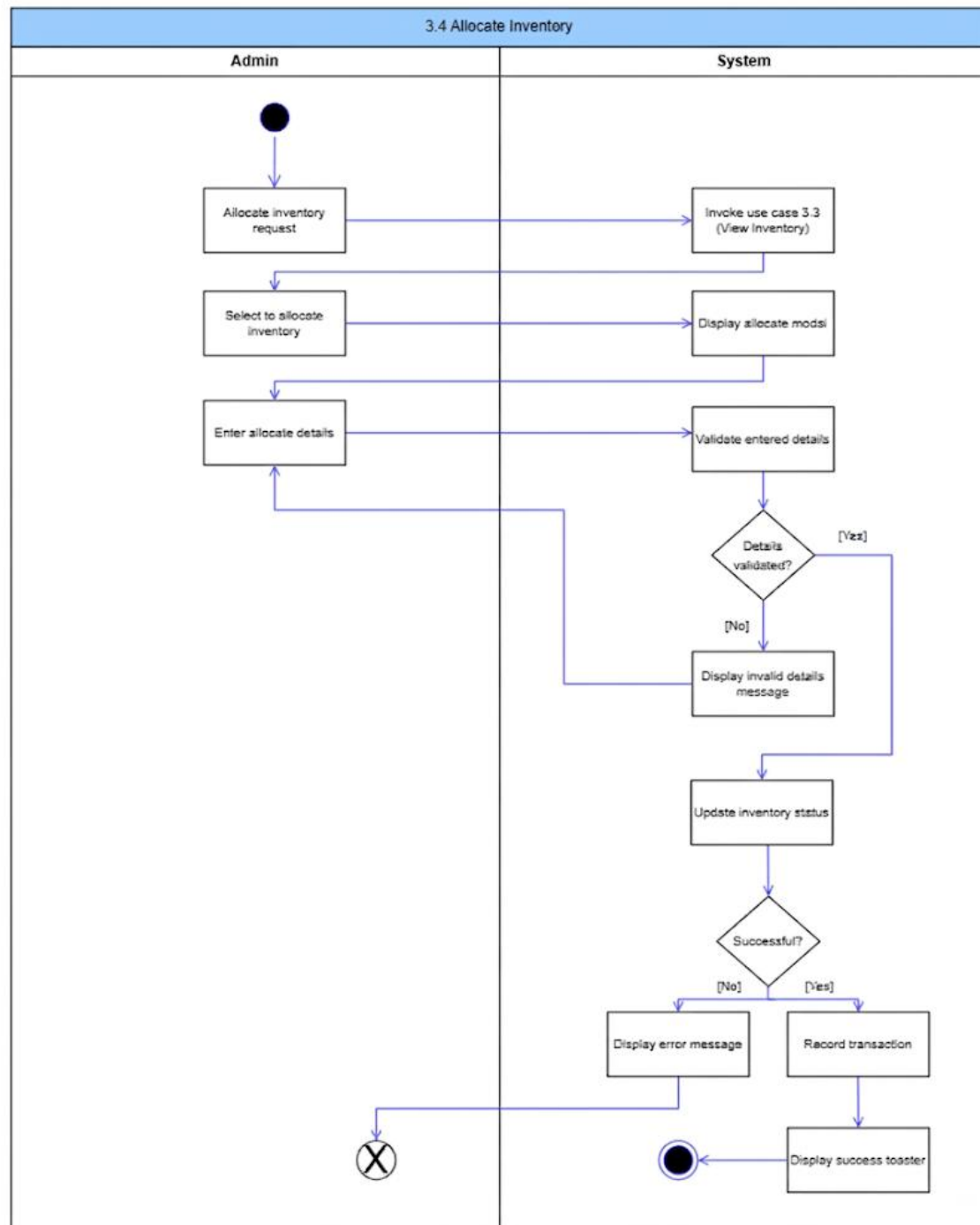


Figure 31: Allocate Inventory Activity Diagram

2.3.5 Create Inventory Item Type

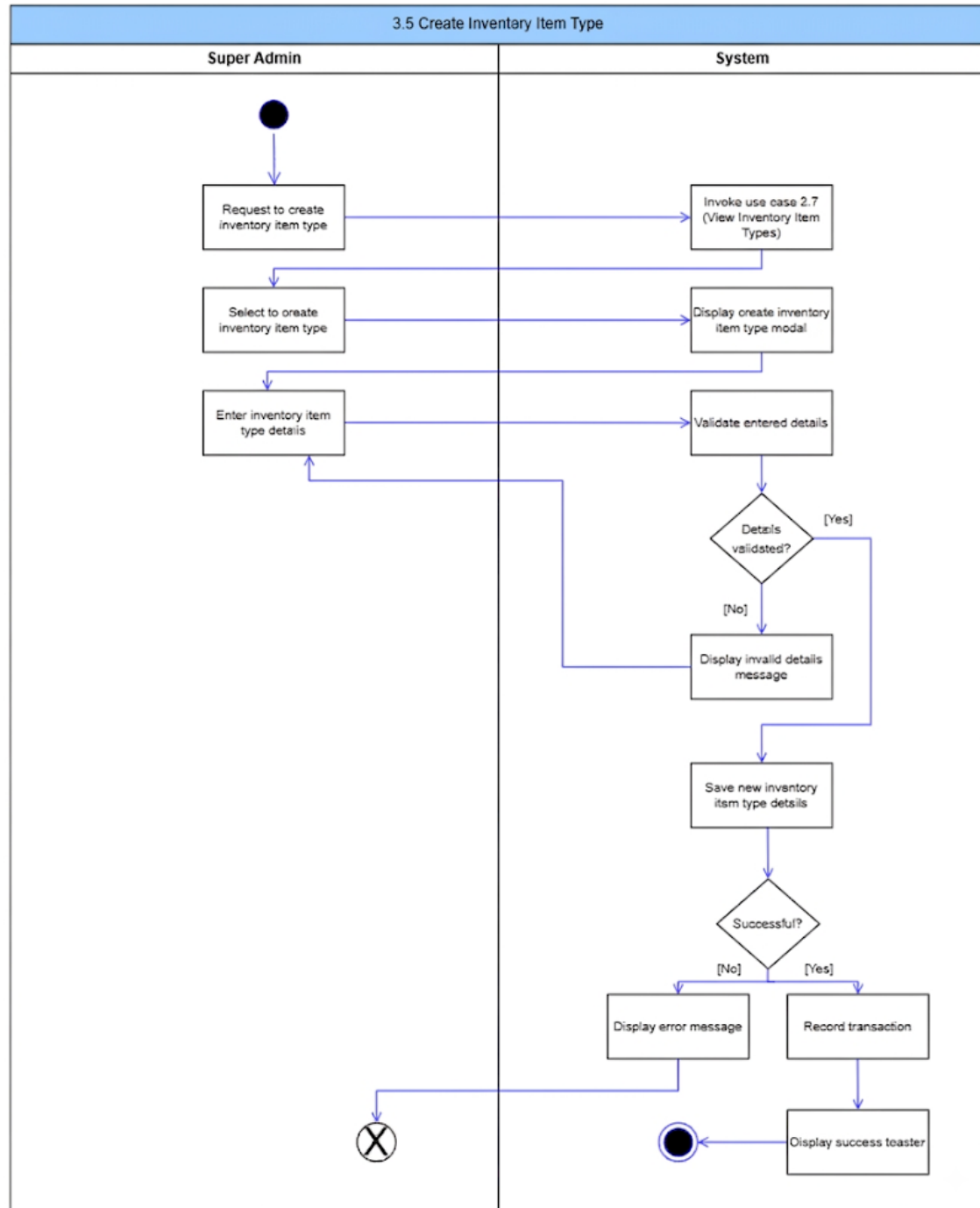


Figure 32: Create Inventory Item Type Activity Diagram

2.3.6 View Inventory Item Type

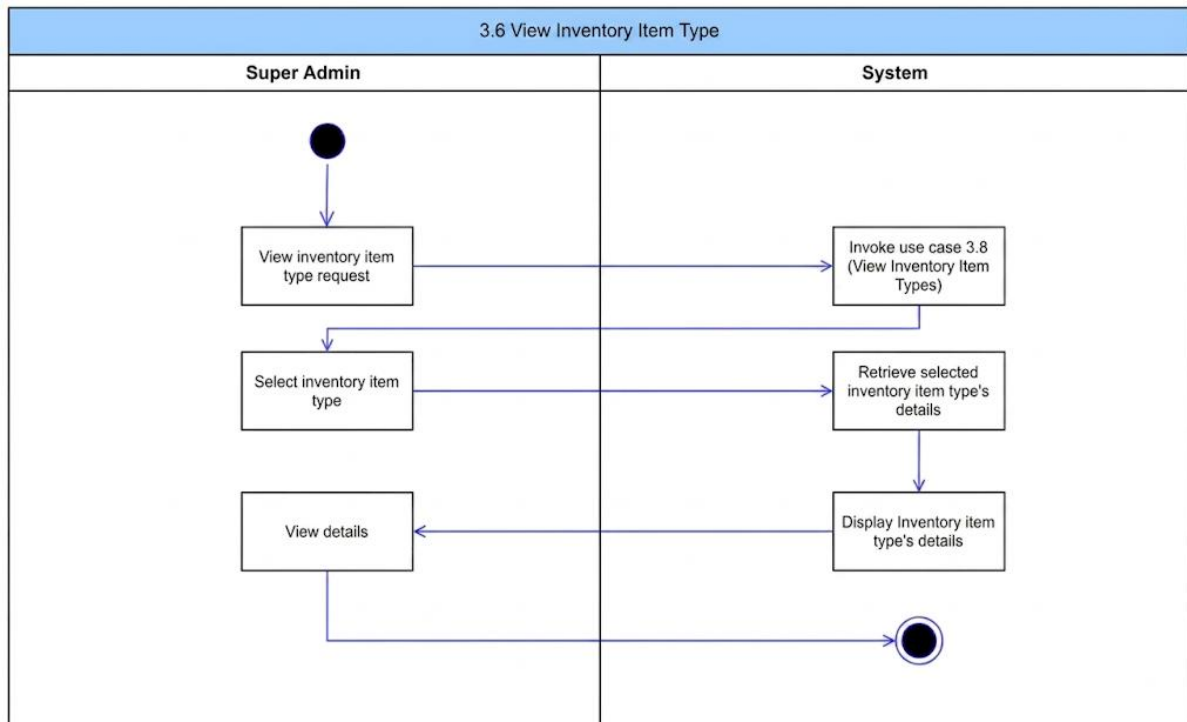


Figure 33: View Inventory Item Type Activity Diagram

2.3.7 View Inventory Item Types

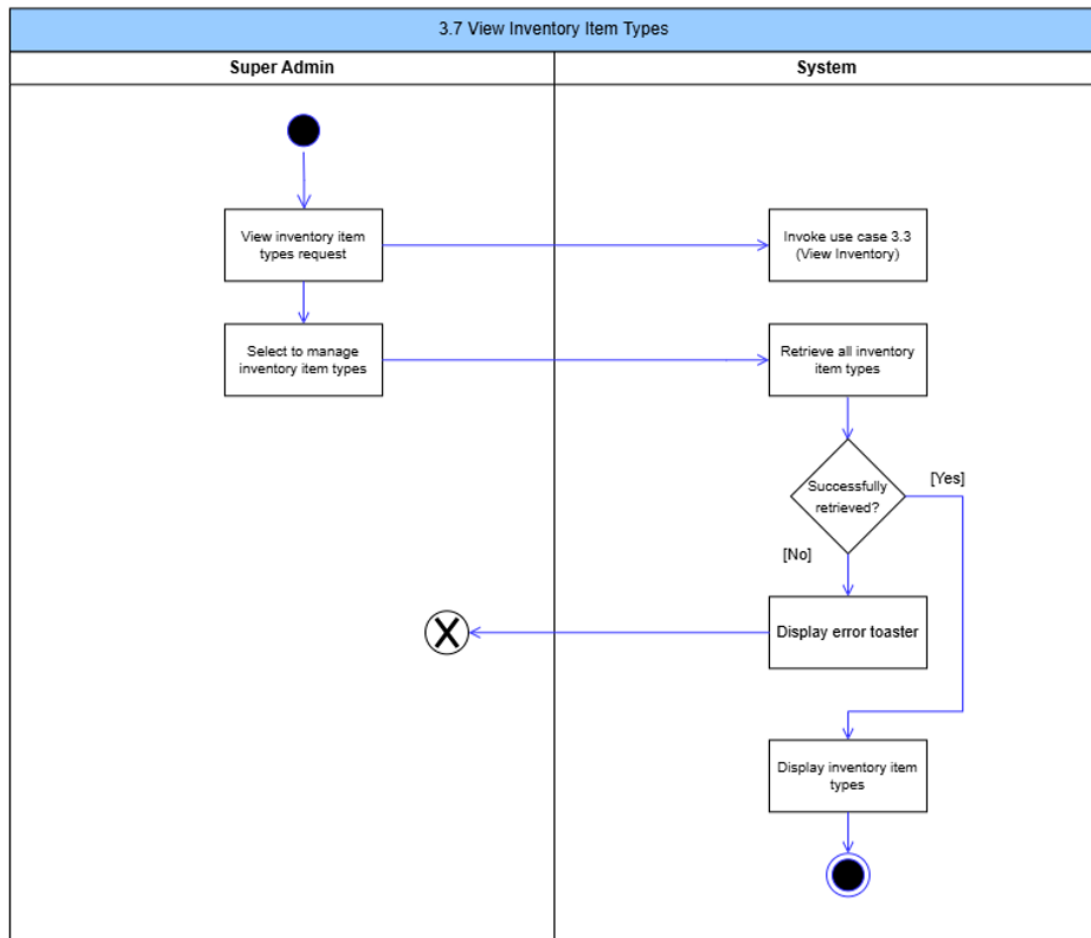


Figure 34: View Inventory Item Types Activity Diagram

2.3.8 Update Inventory Item Type

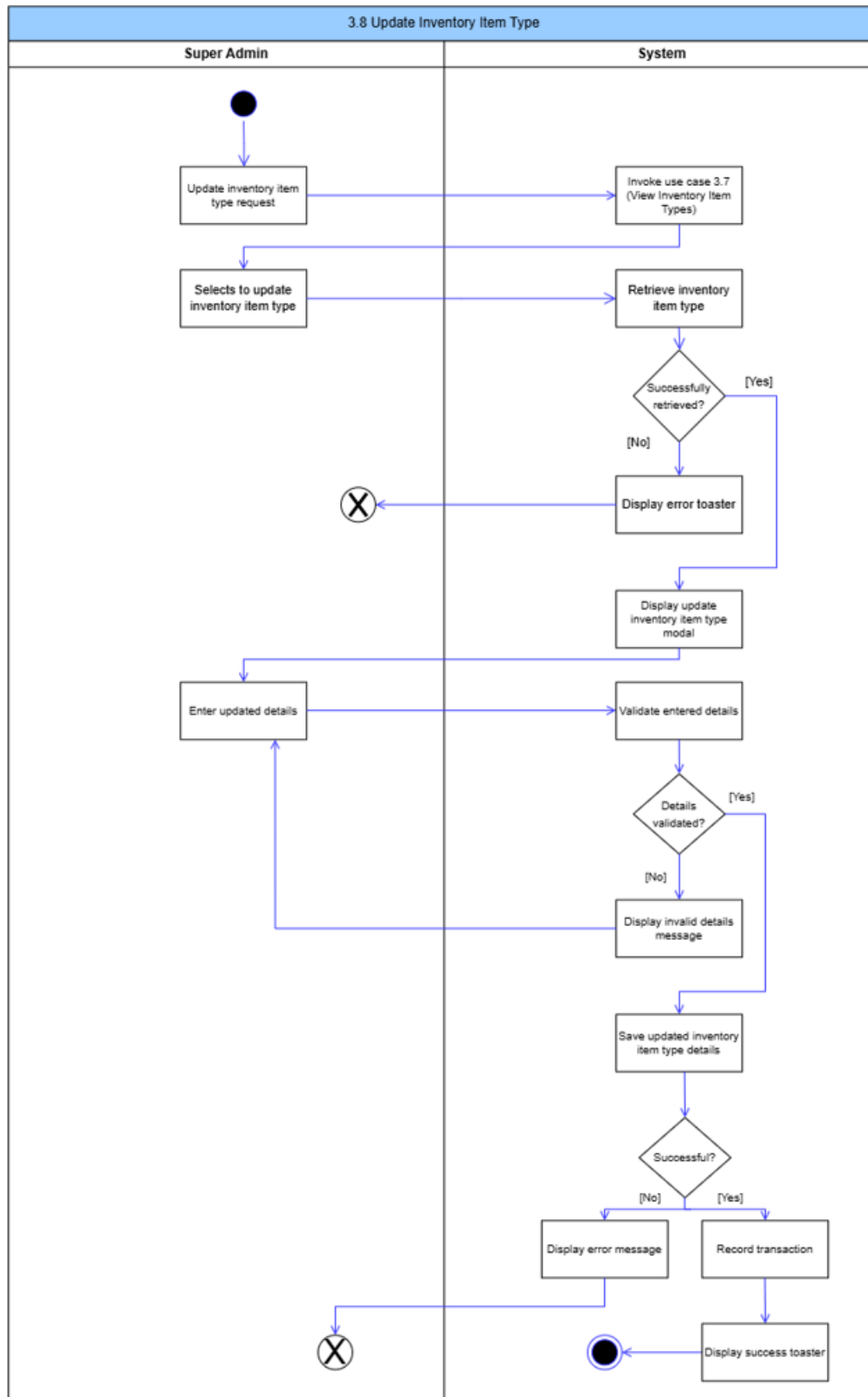


Figure 35: Update Inventory Item Type Activity Diagram

2.3.9 Deactivate Inventory Item Type

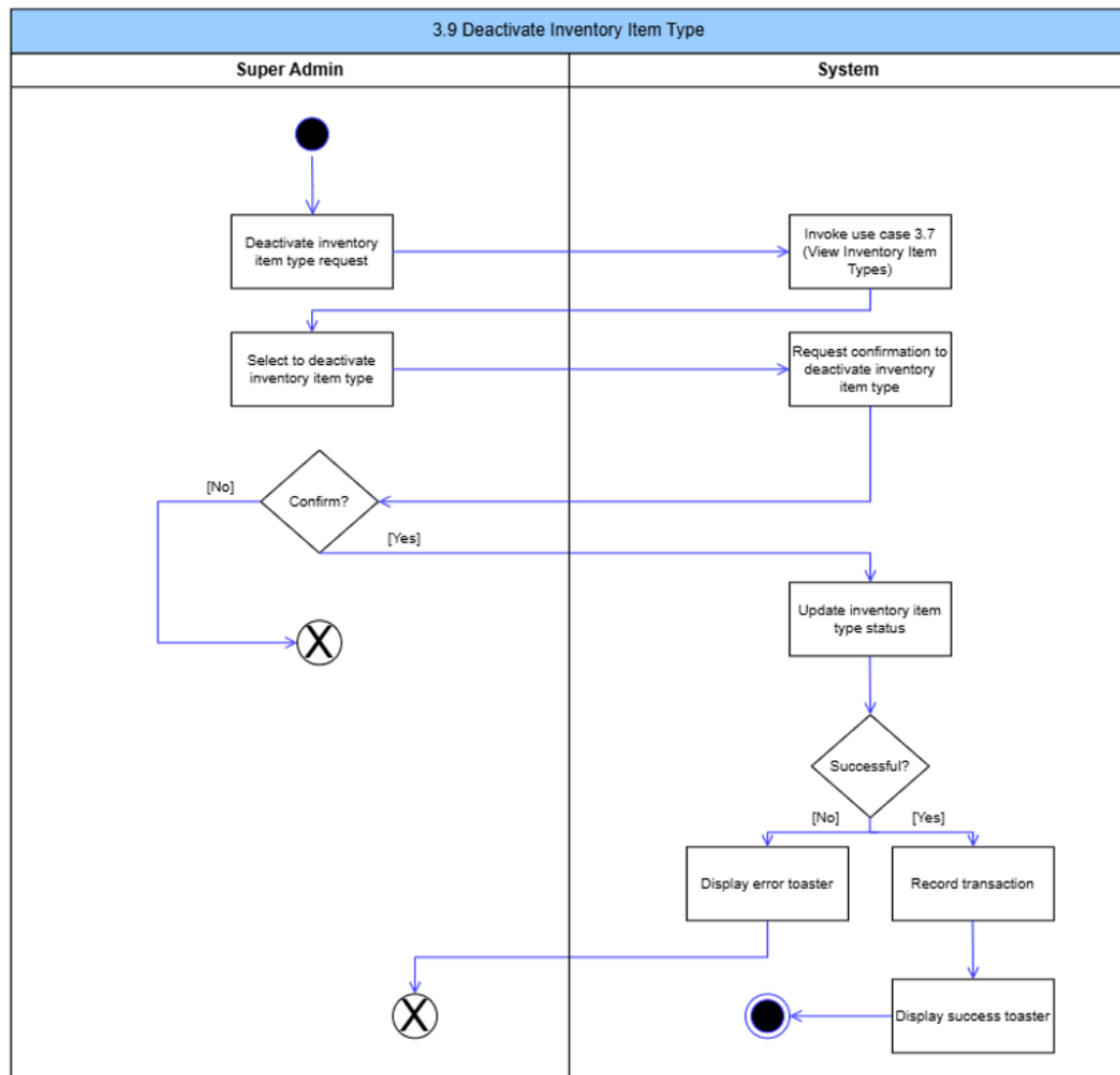


Figure 36: Deactivate Inventory Item Type

2.3.10 Reactivate Inventory Item Type

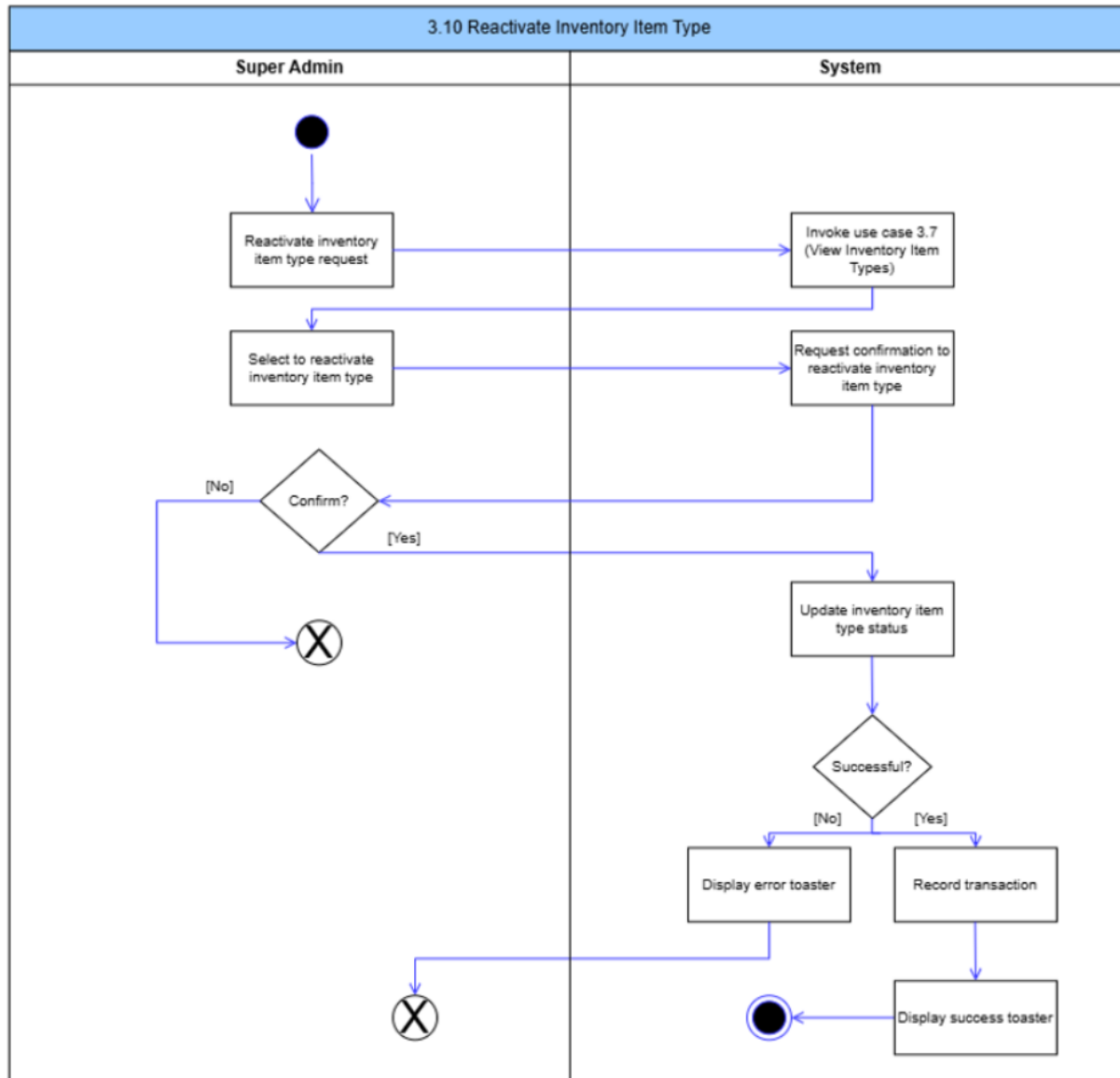


Figure 37: Reactivate Inventory Item Type Activity Diagram

2.4 Group Subsystem Activity Diagrams

2.4.1 Create Group

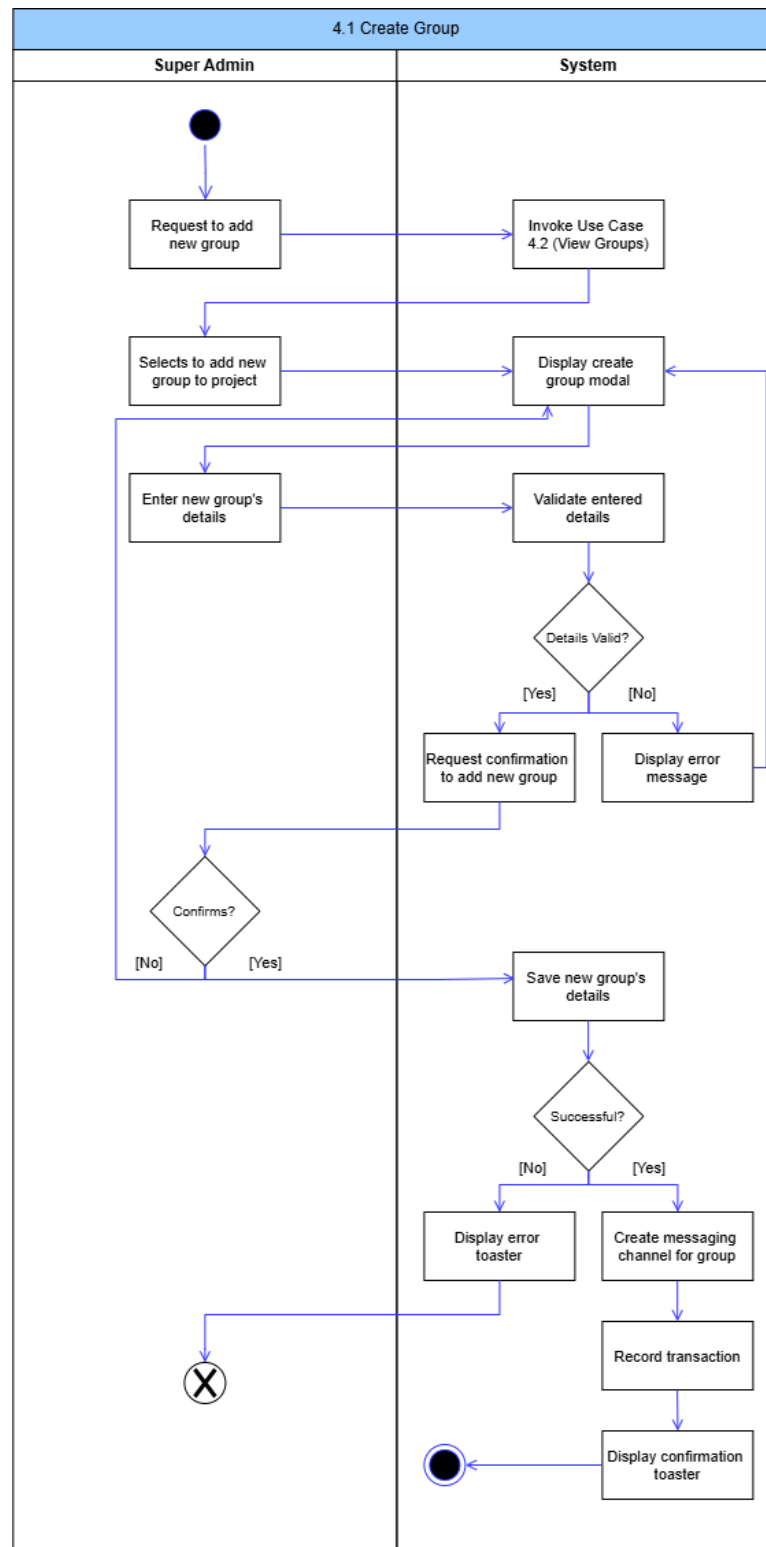


Figure 38: Create Group Activity Diagram

2.4.2 View Group

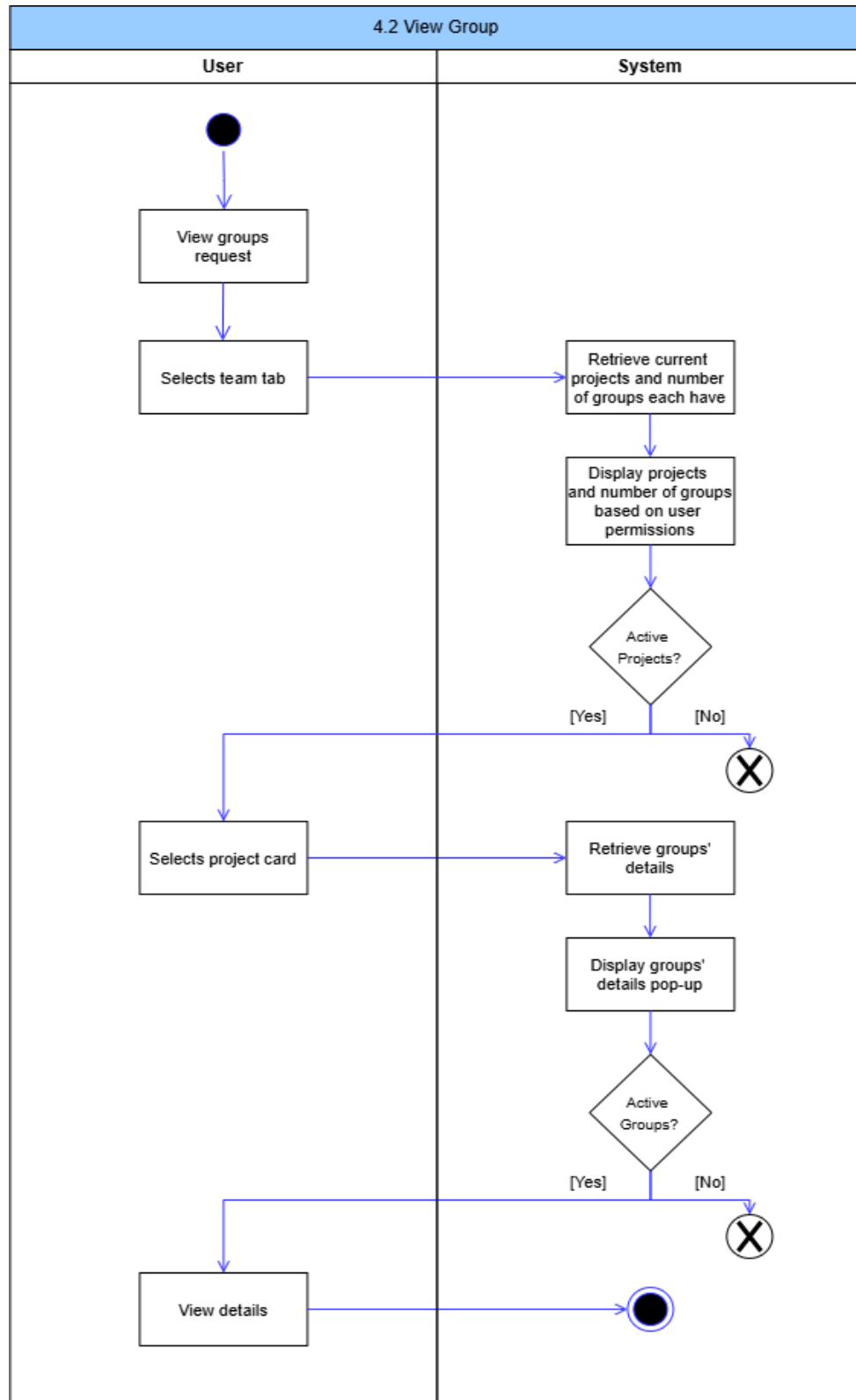


Figure 39: View Group Activity Diagram

2.4.3 Update Group

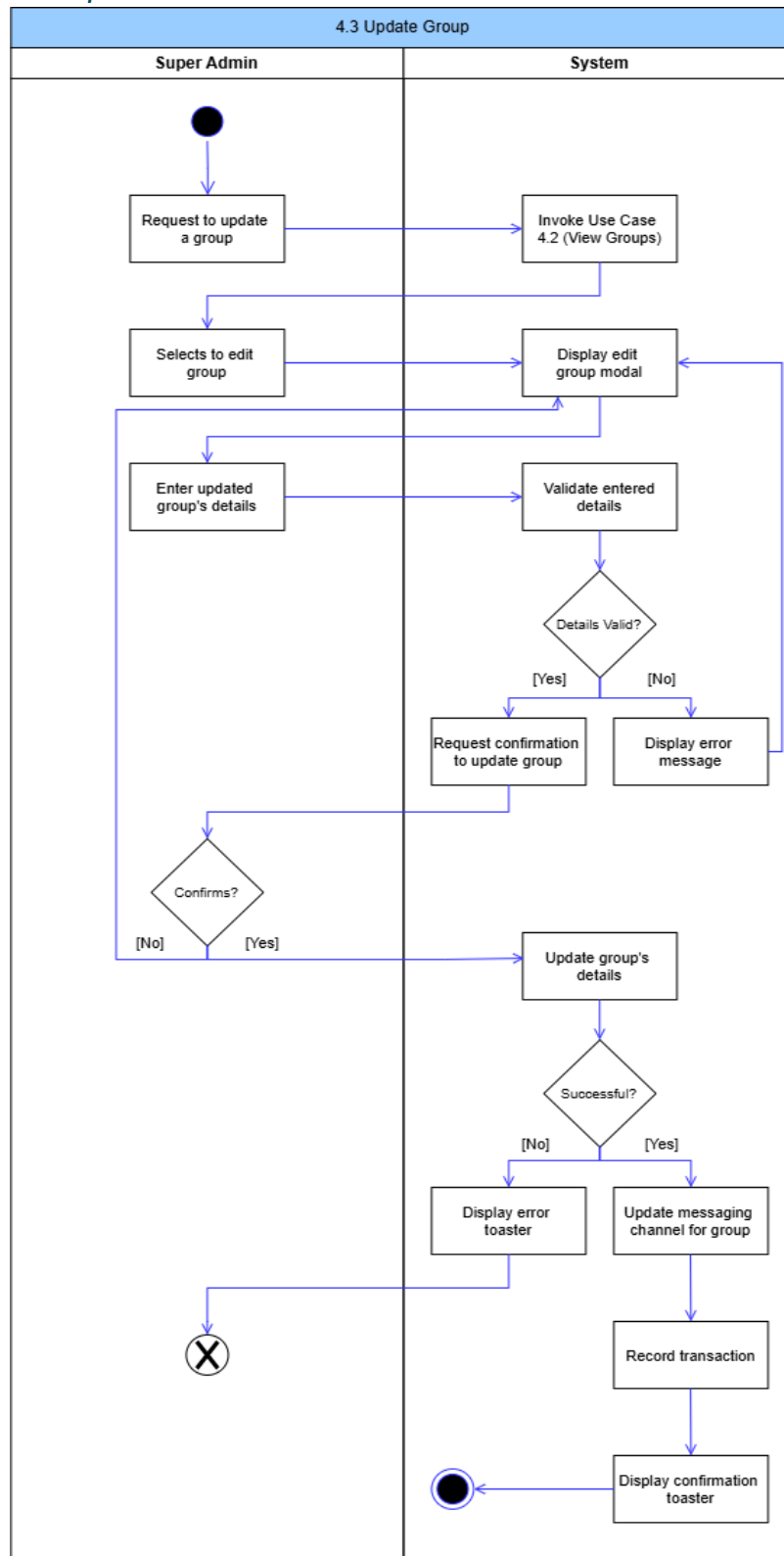


Figure 40: Update Group Activity Diagram

2.4.4 Deactivate Group

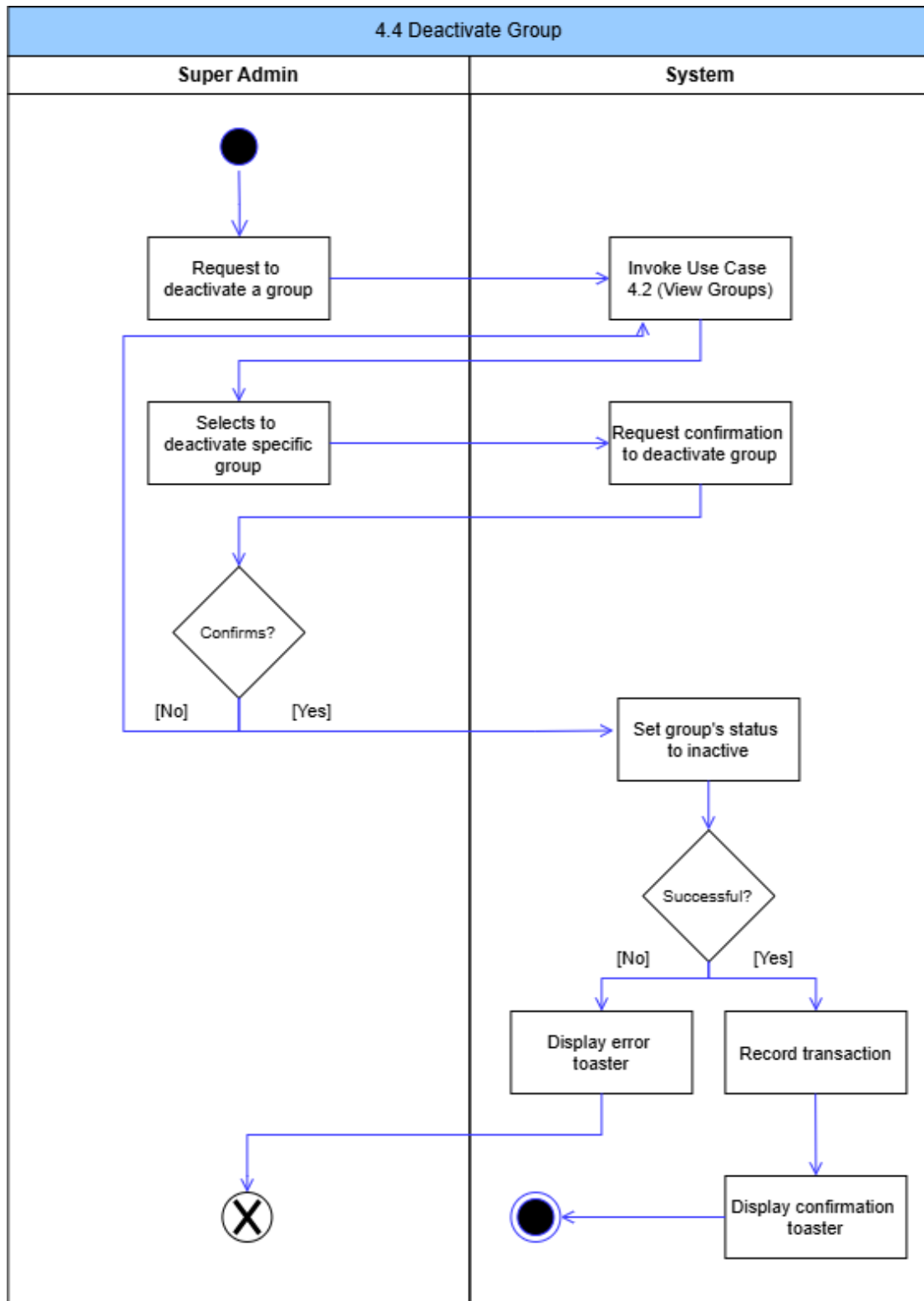


Figure 41: Deactivate Group Activity Diagram

2.4.5 Create Skill

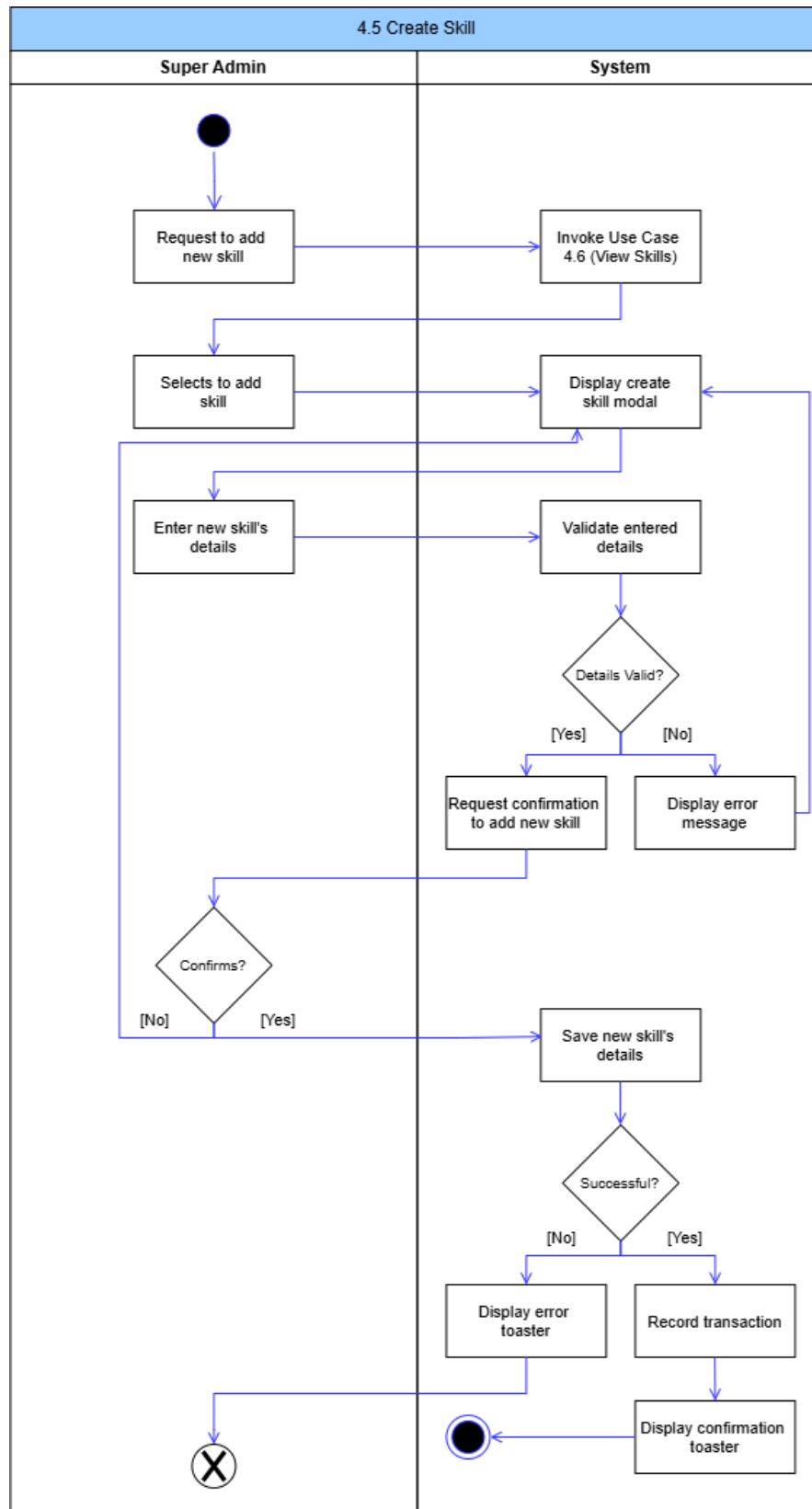


Figure 42: Create Skill Activity Diagram

2.4.6 View Skills

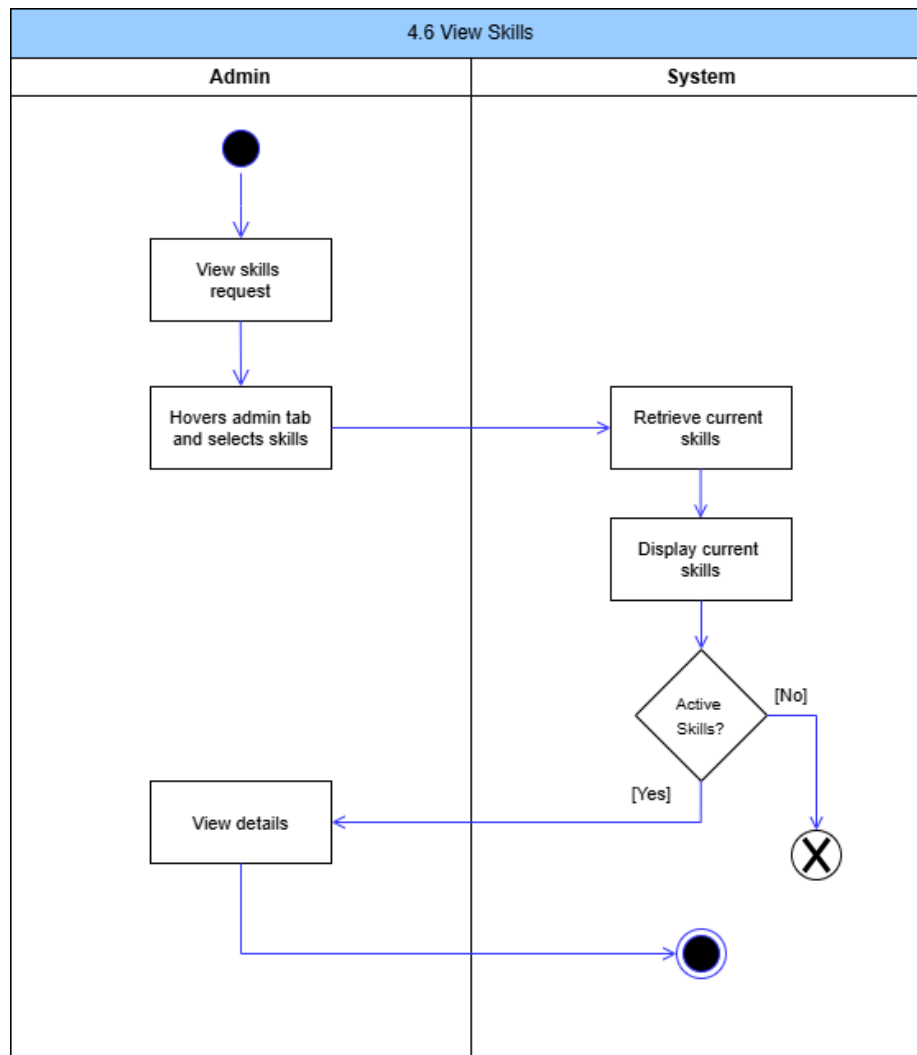


Figure 43: View Skills Activity Diagram

2.4.7 View Skill

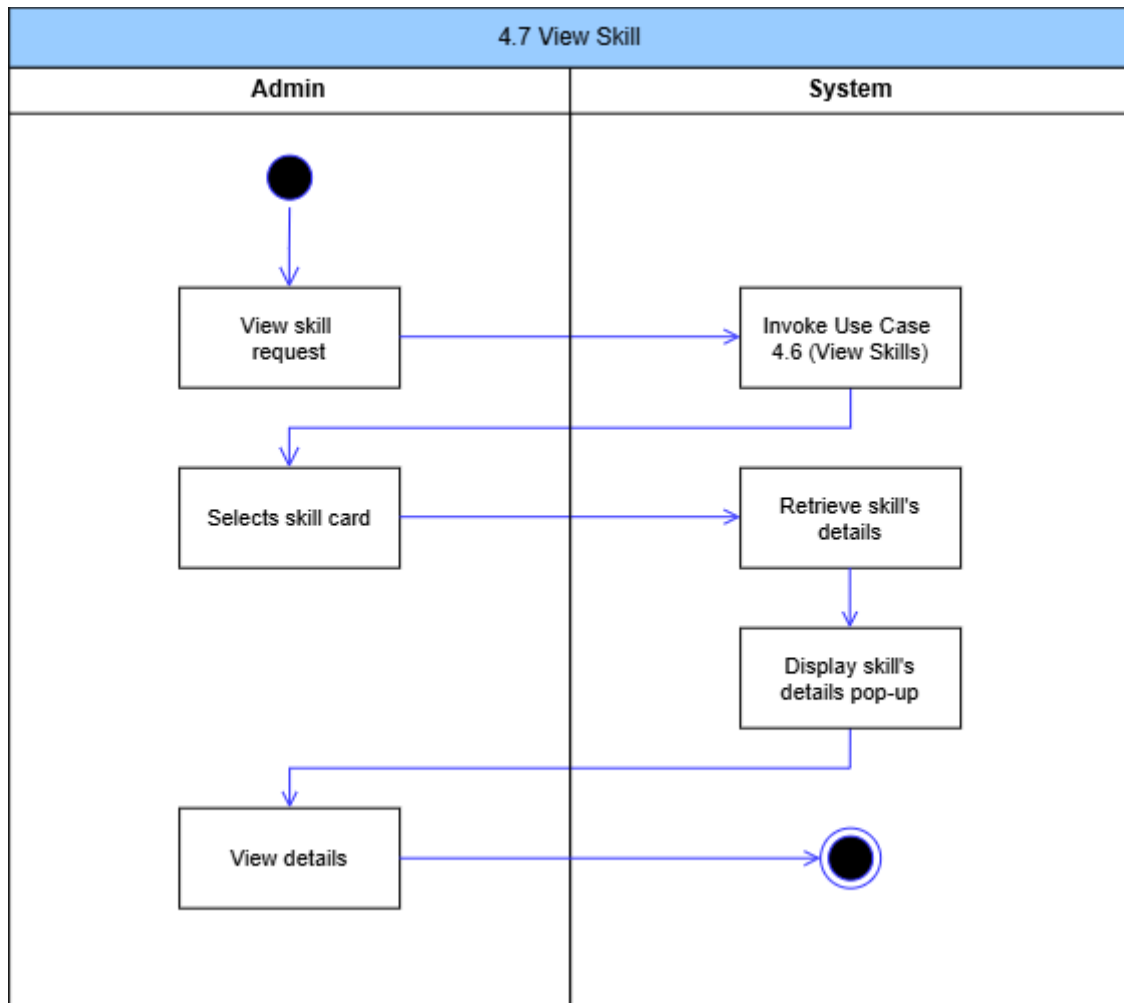


Figure 44: View Skill Activity Diagram

2.4.8 Update Skill

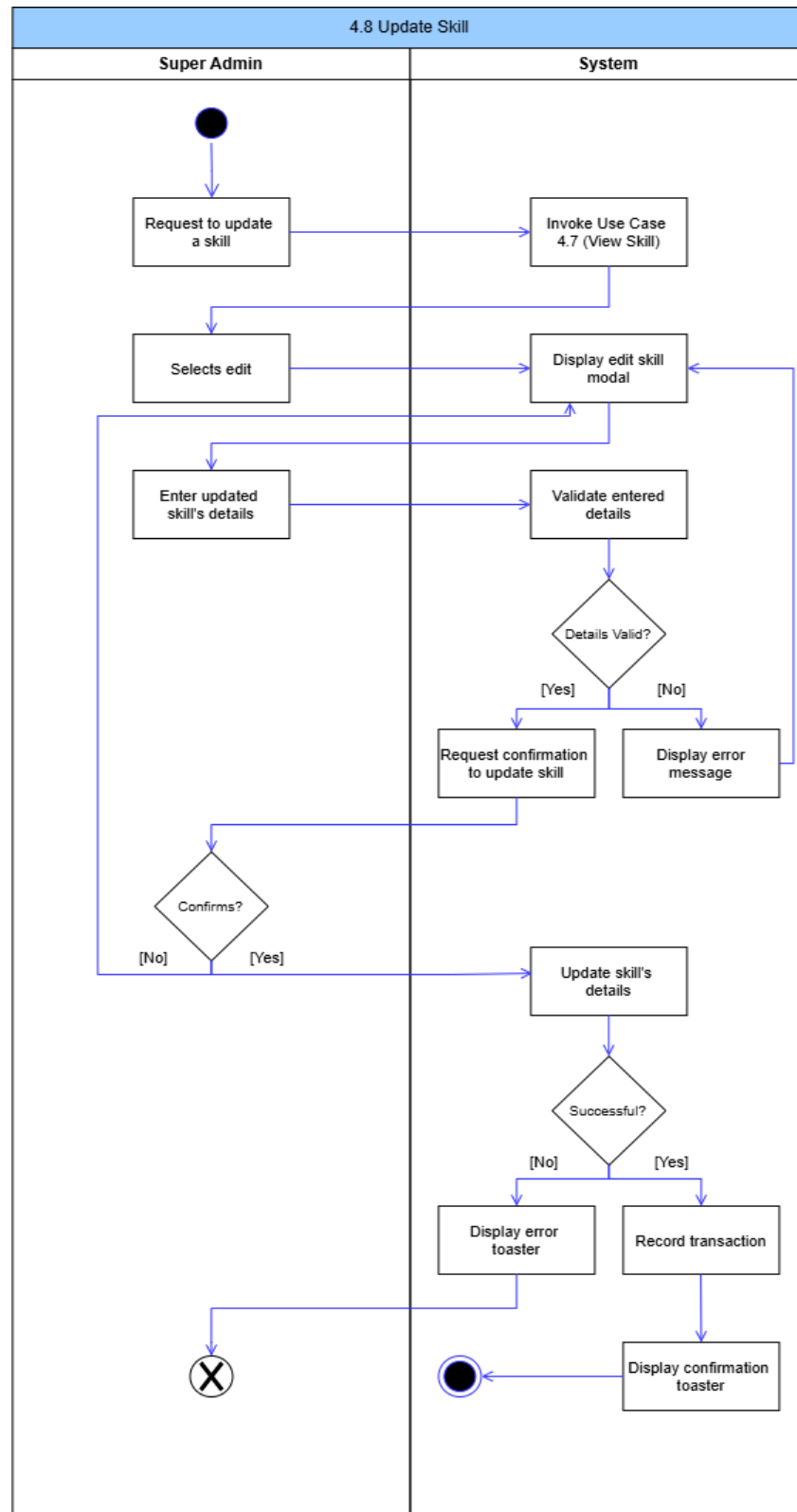


Figure 45: Update Skill Activity Diagram

2.4.9 Deactivate Skill

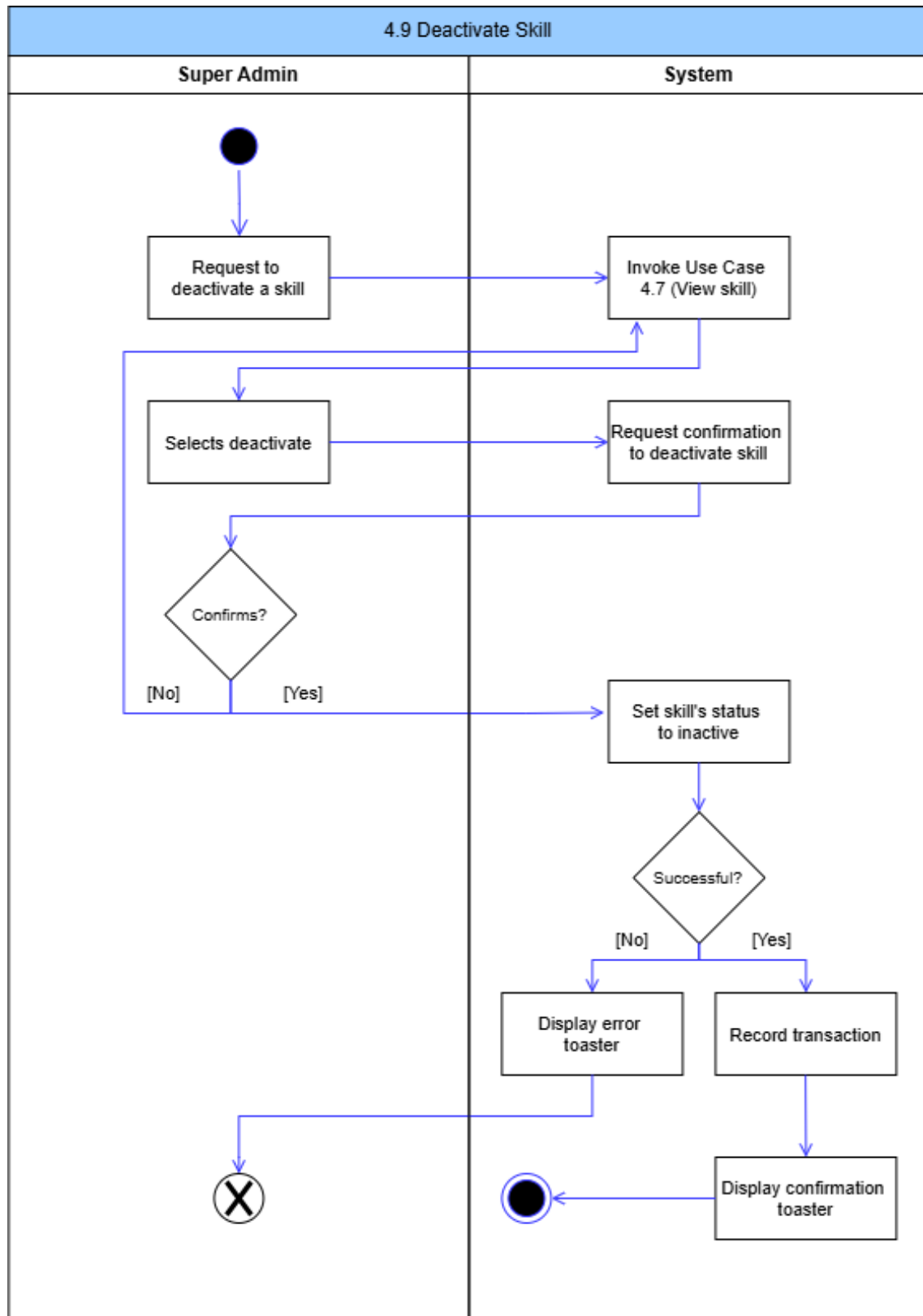


Figure 46: Deactivate Skill Activity Diagram

2.5 Warehouse Subsystem Activity Diagrams

2.5.1 Create Warehouse

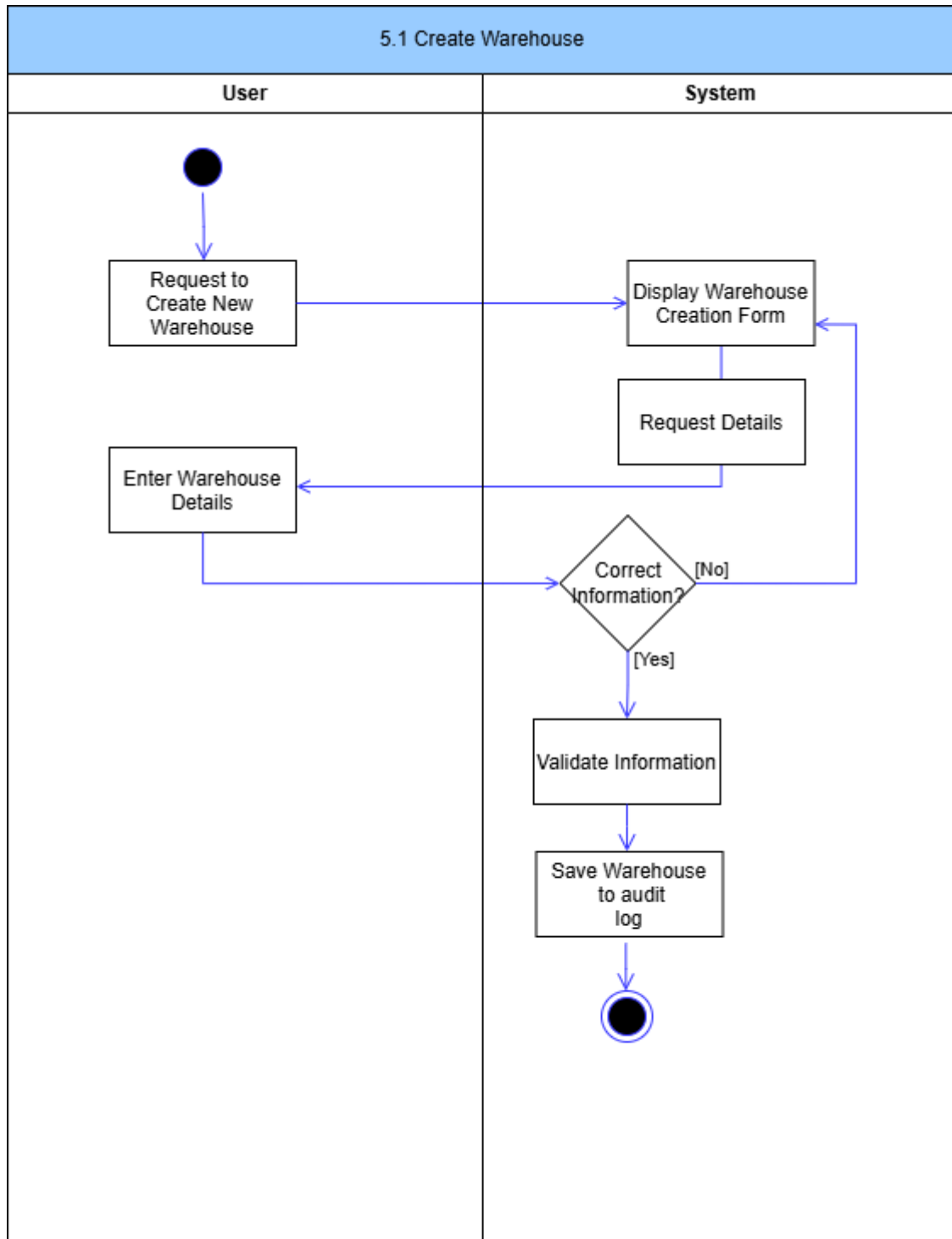


Figure 47: Create Warehouse Activity Diagram

2.5.2 View Warehouse

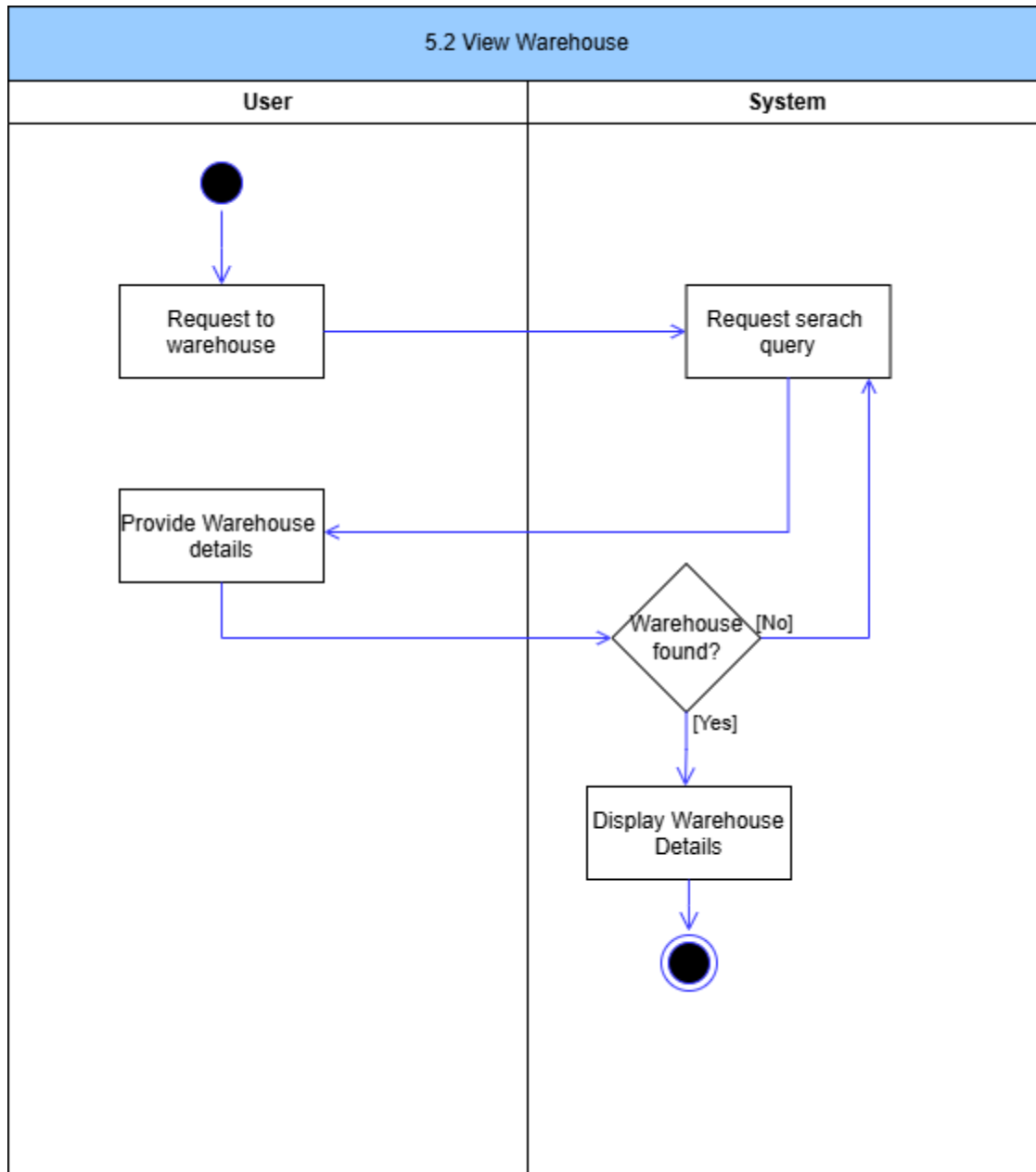


Figure 48: View Warehouse Activity Diagram

2.5.3 Update Warehouse

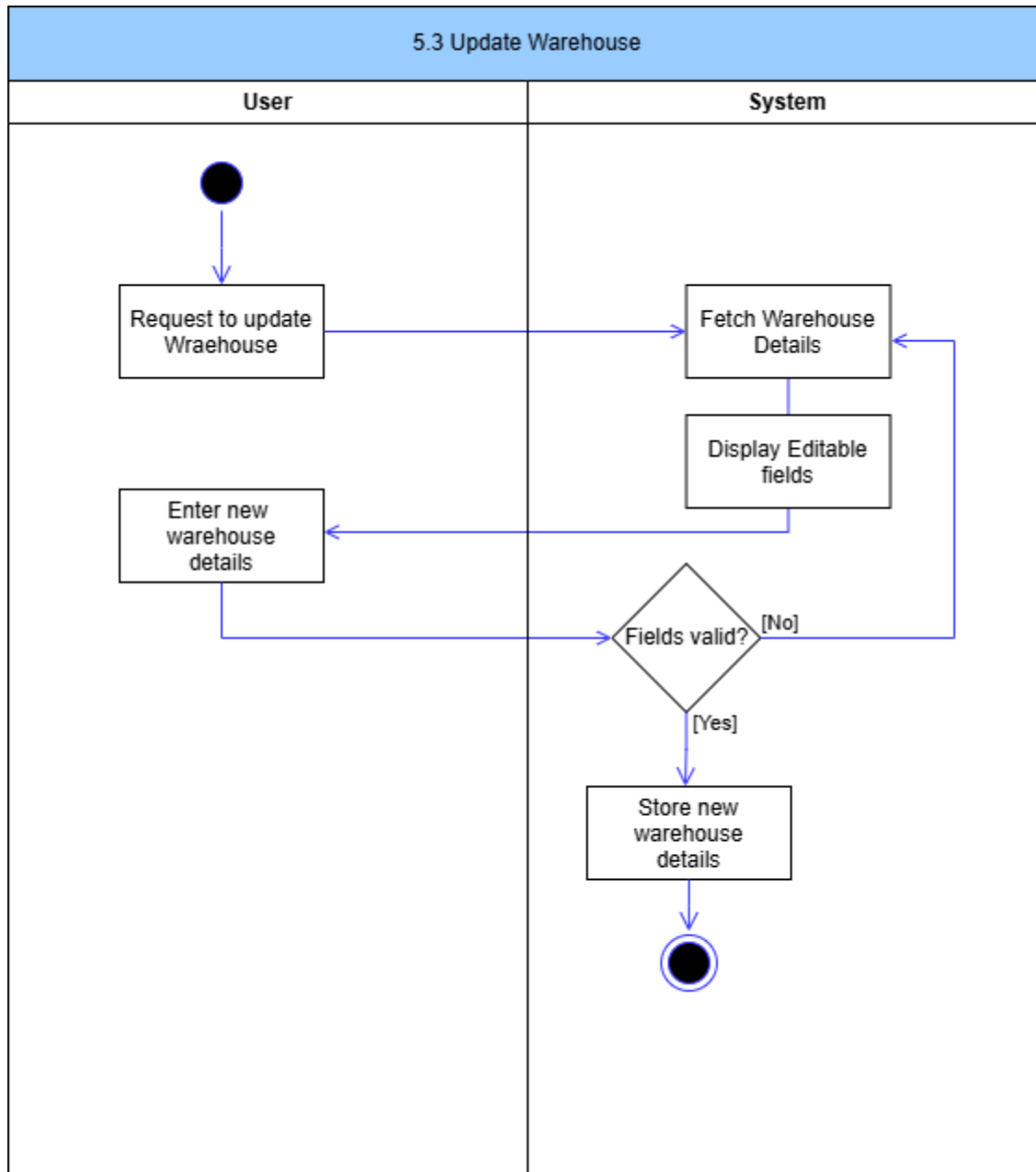


Figure 49: Update Warehouse Activity Diagram

2.5.4 Reactivate Warehouse

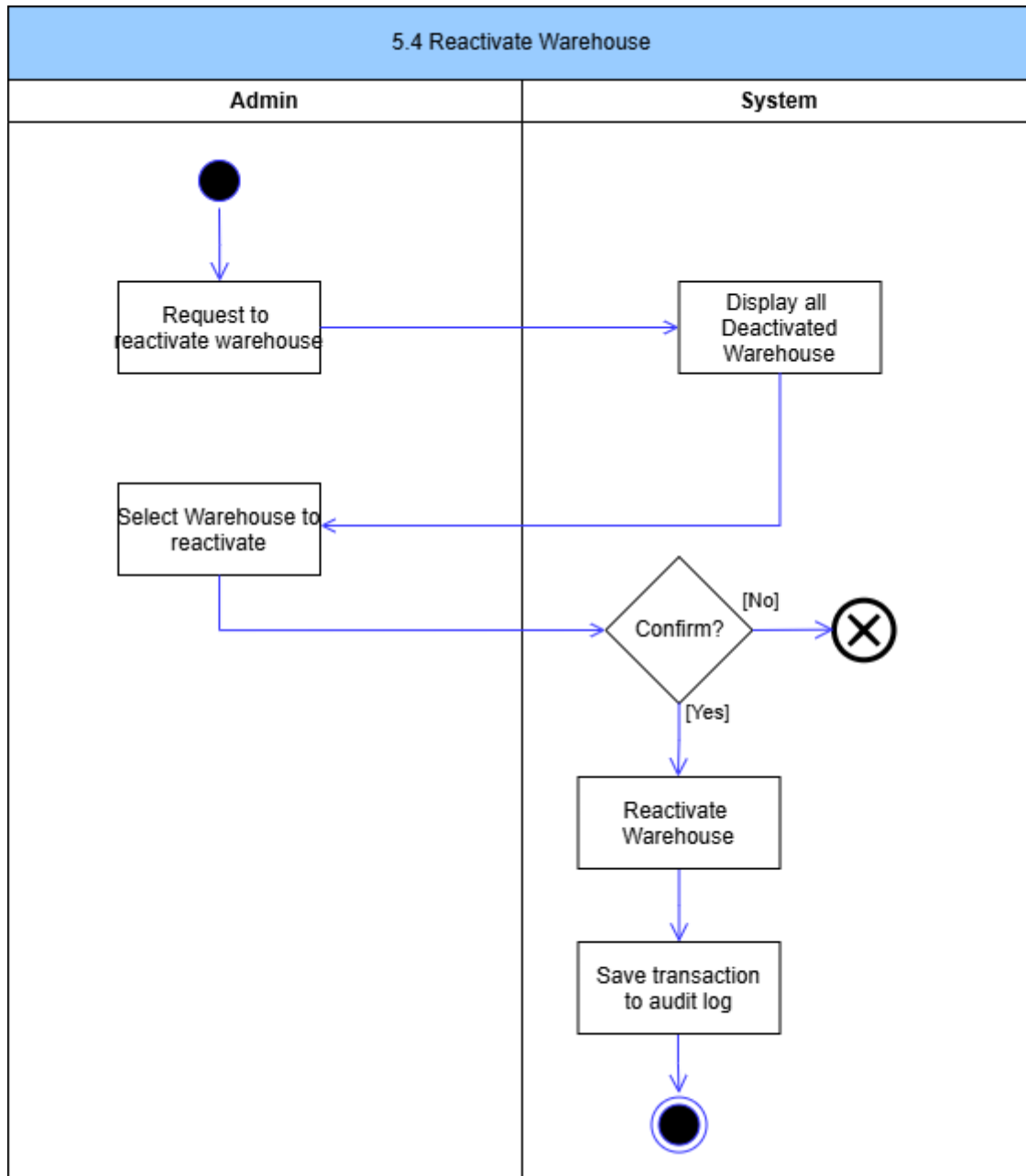


Figure 50: Reactivate Warehouse Activity Diagram

2.5.5 Deactivate Warehouse

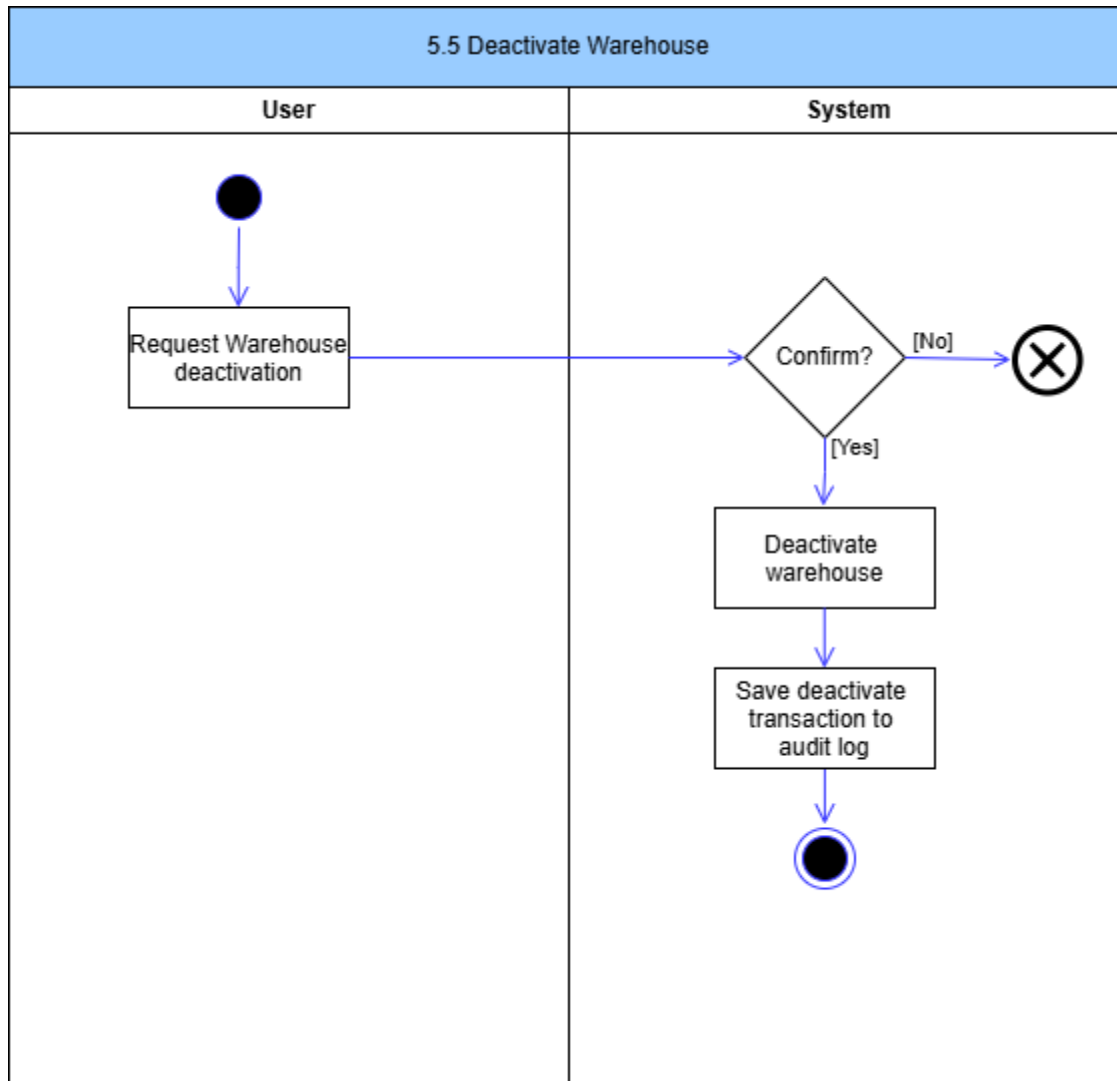


Figure 51: Deactivate Warehouse Activity Diagram

2.5.6 Inventory Stock Take

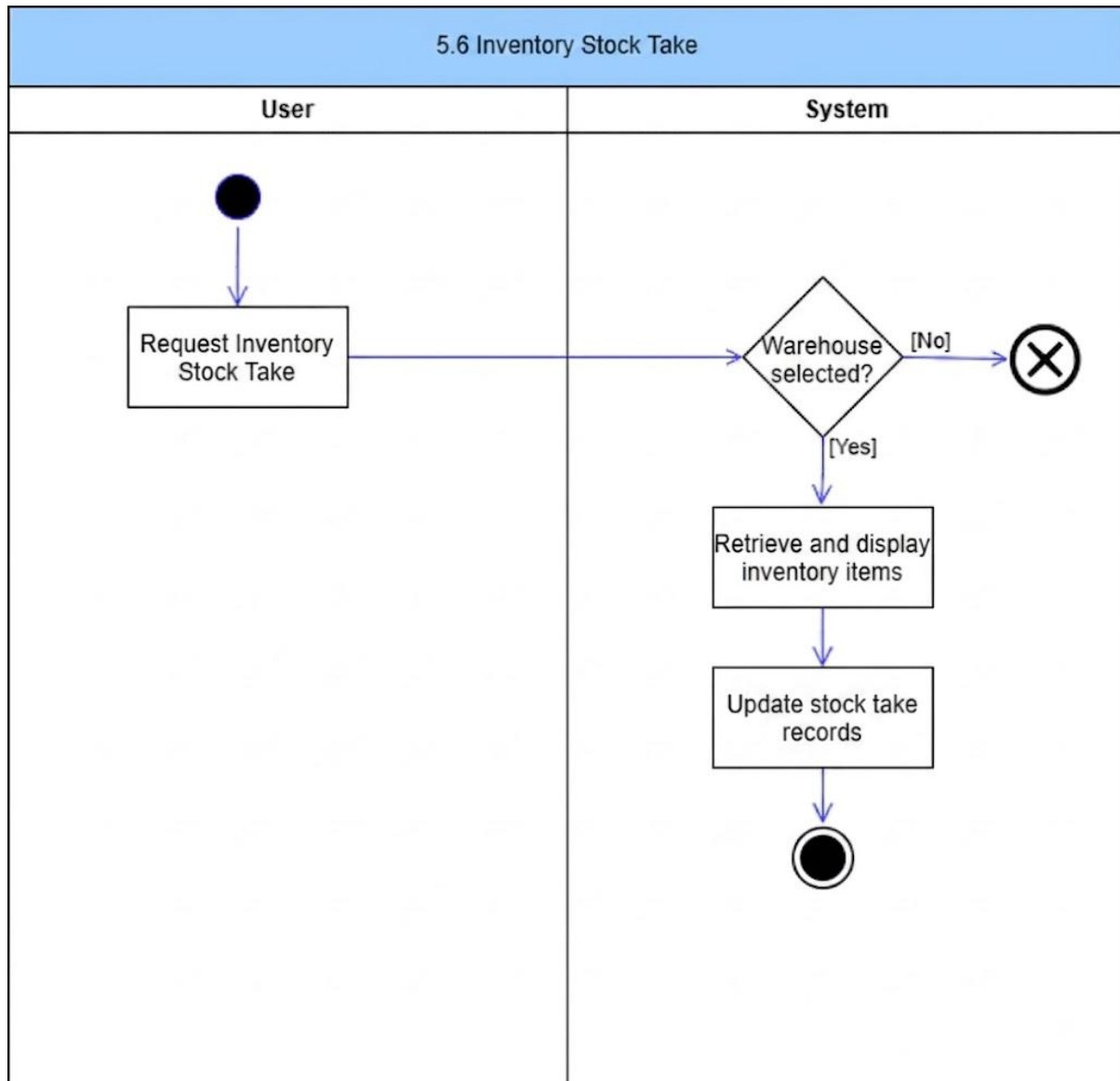


Figure 52: Inventory Stock Take Activity Diagram

2.6 Vendor Subsystem Activity Diagrams

2.6.1 Create Vendor

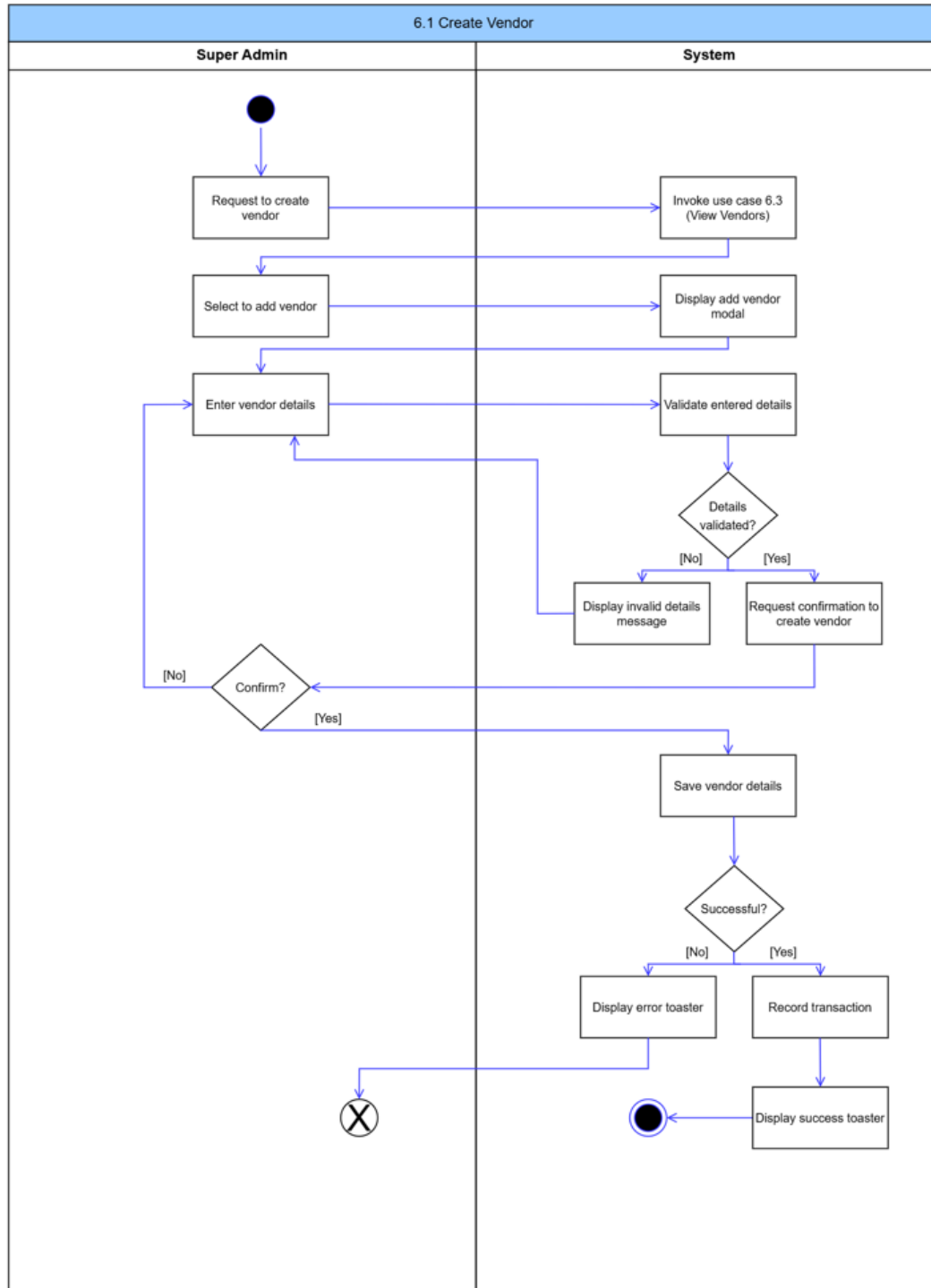


Figure 53: Create Vendor Activity Diagram

2.6.2 View Vendor

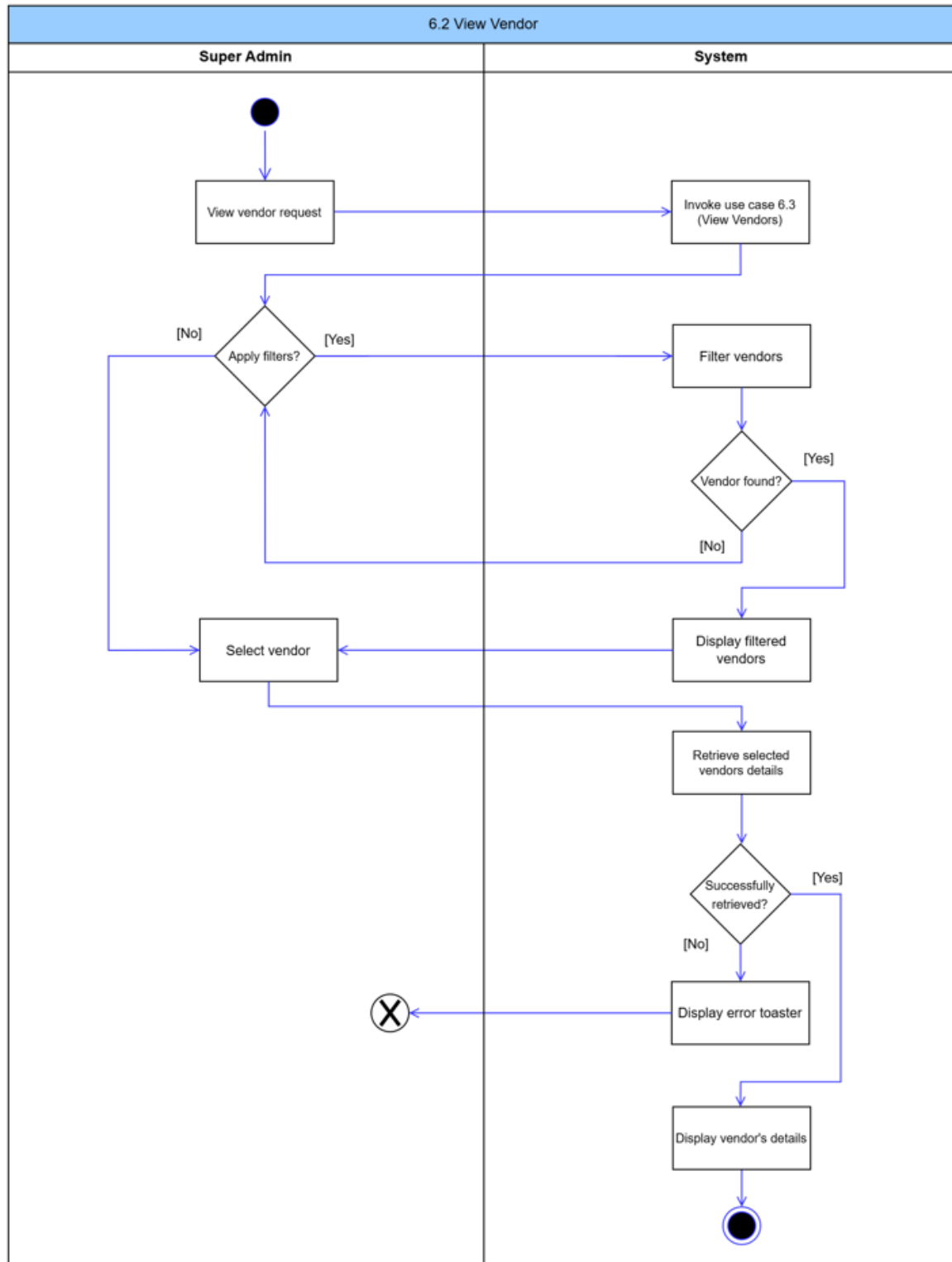


Figure 54: View Vendor Activity Diagram

2.6.3 View Vendors

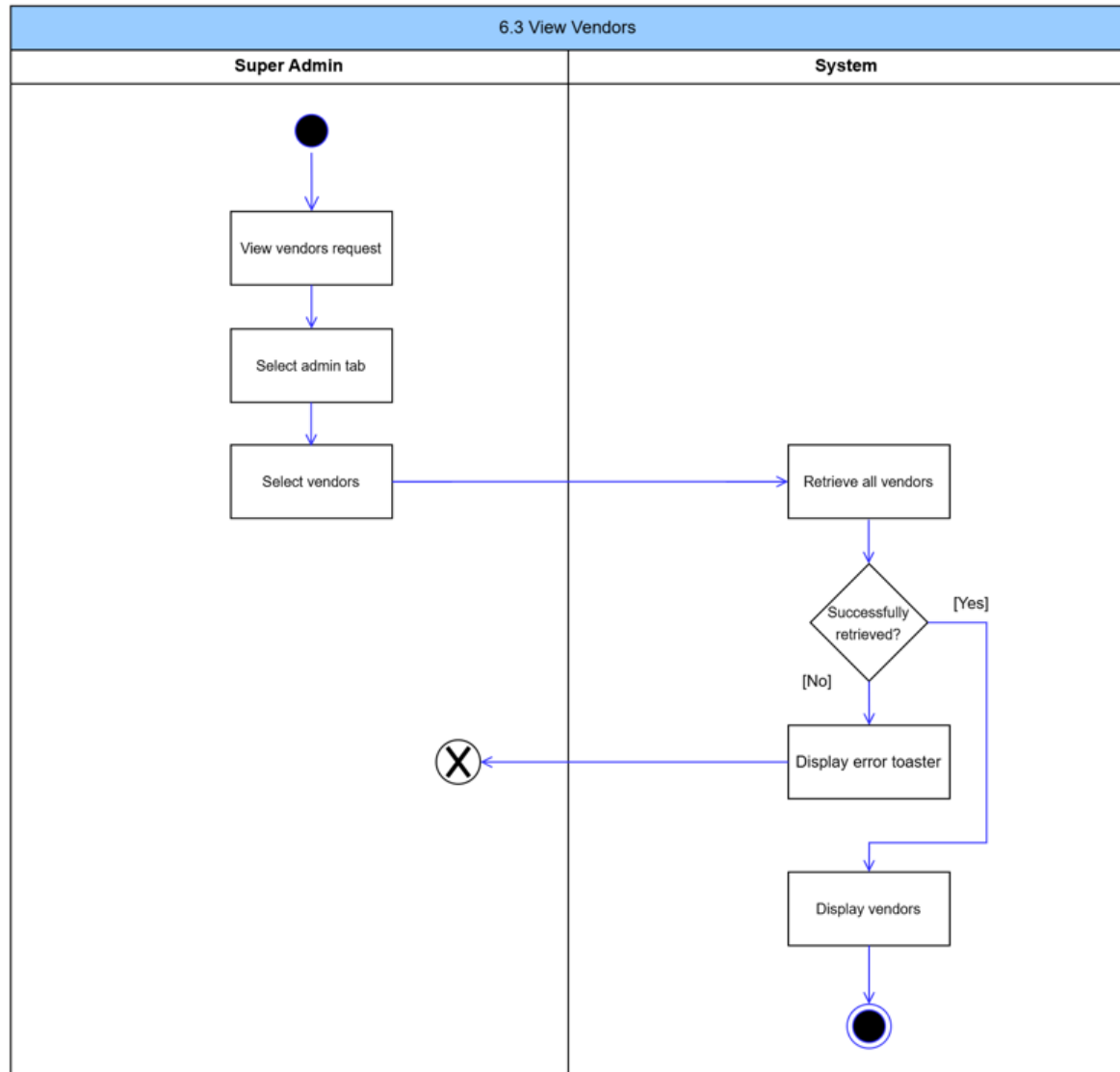


Figure 55: View Vendors Activity Diagram

2.6.4 Edit Vendor

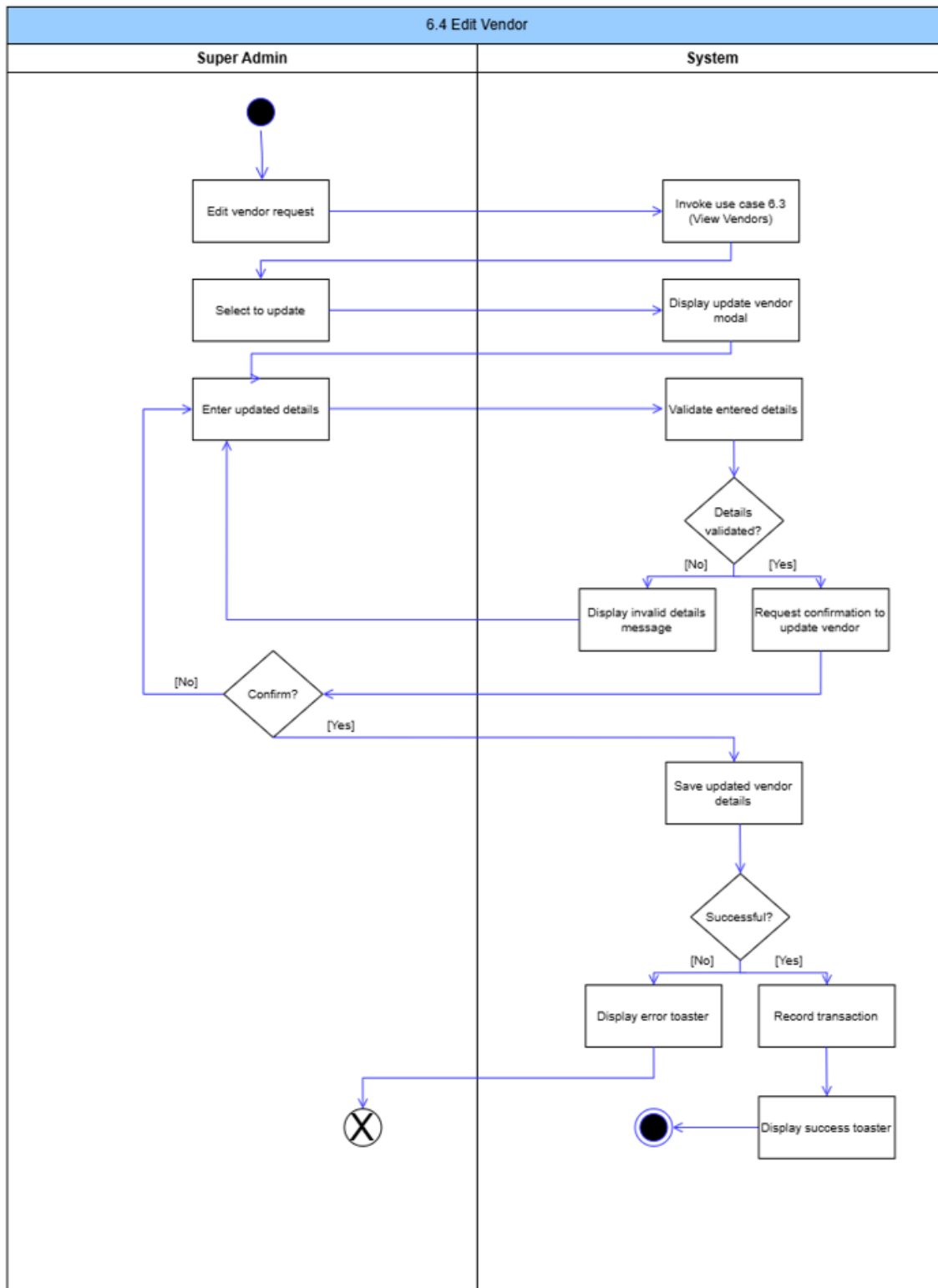


Figure 56: Edit Vendor Activity Diagram

2.6.5 Reactivate Vendor

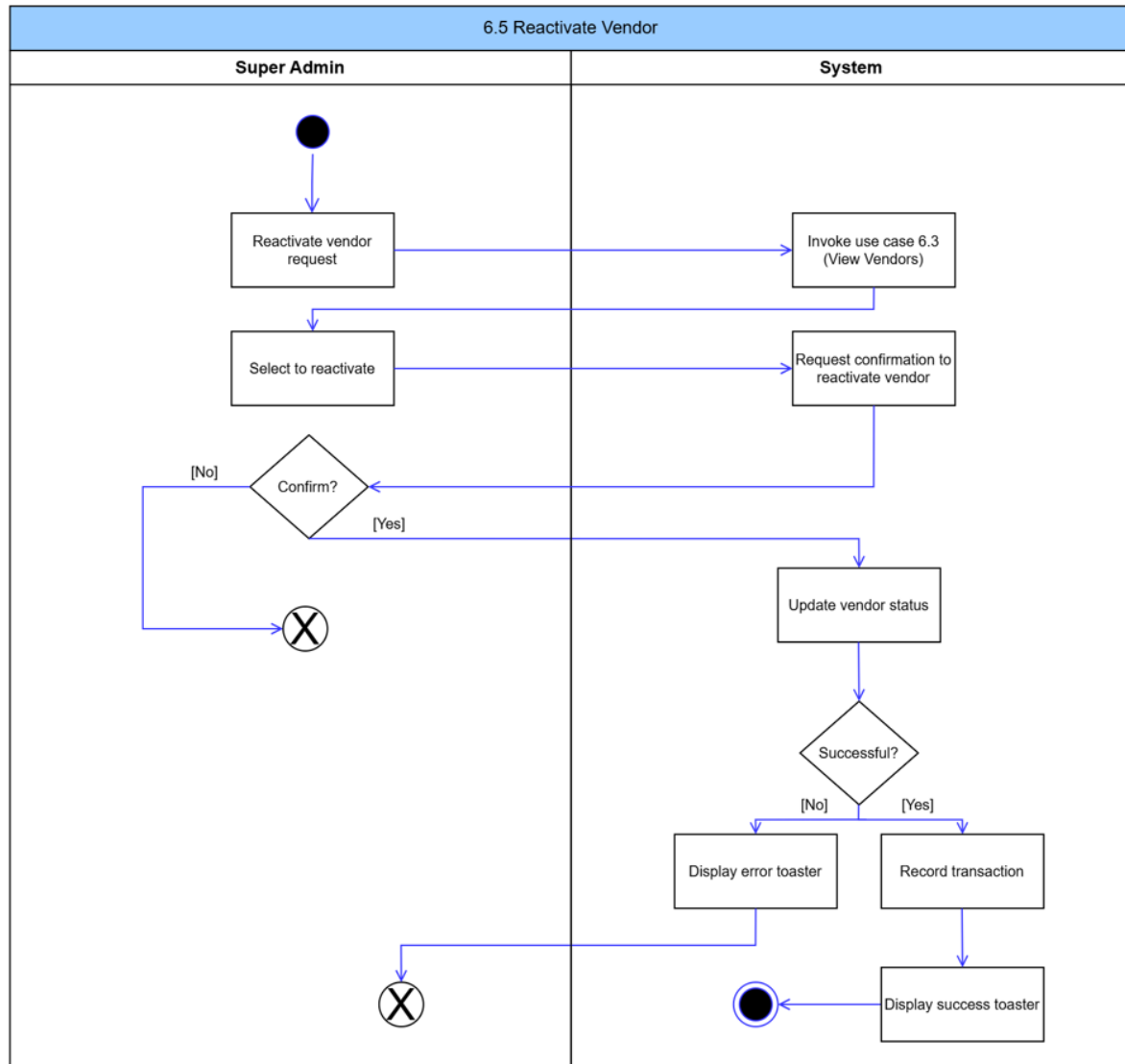


Figure 57: Reactivate Vendor Activity Diagram

2.6.6 Deactivate Vendor

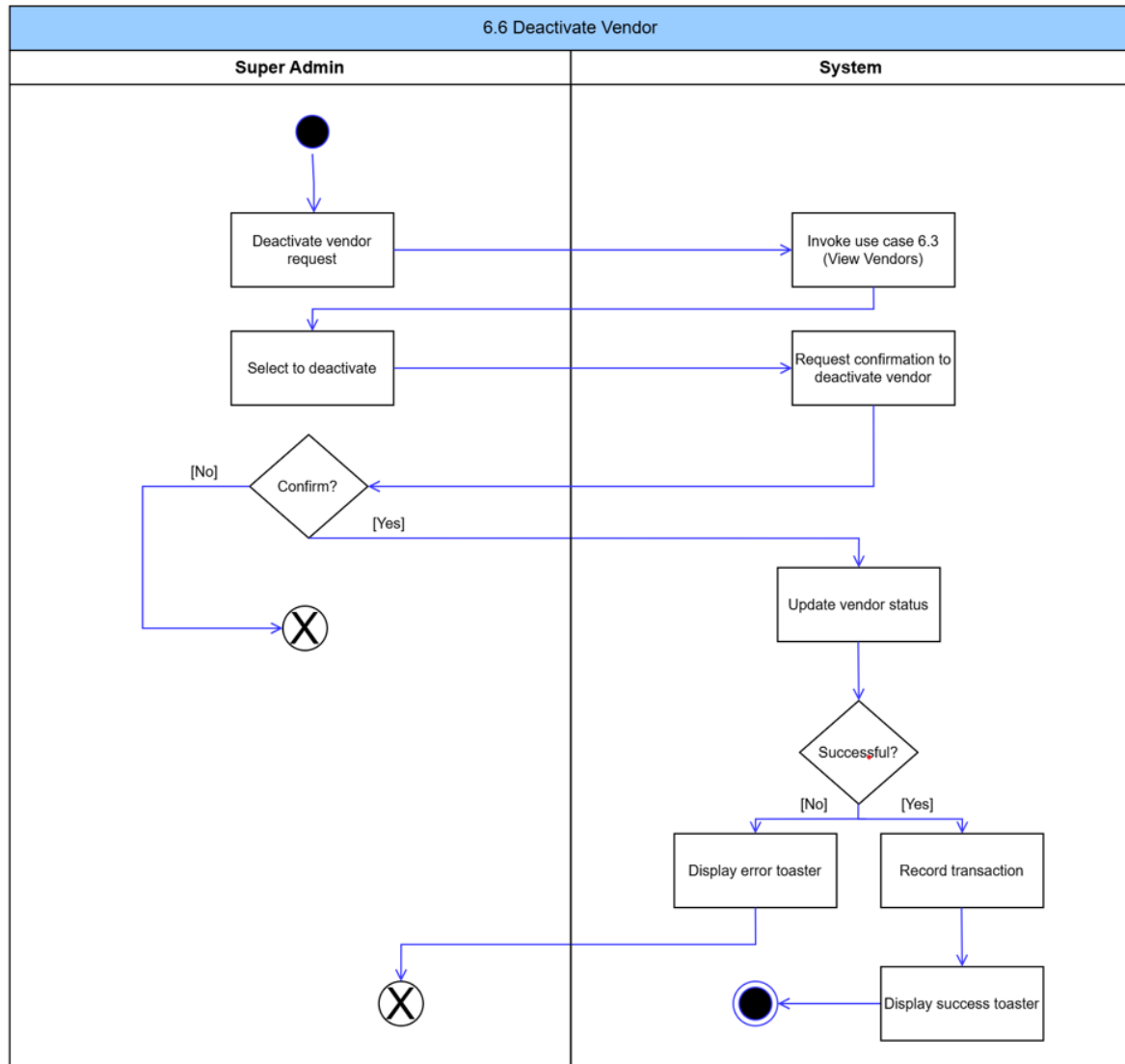


Figure 58: Deactivate Vendor Activity Diagram

2.6.7 Create Vendor Type

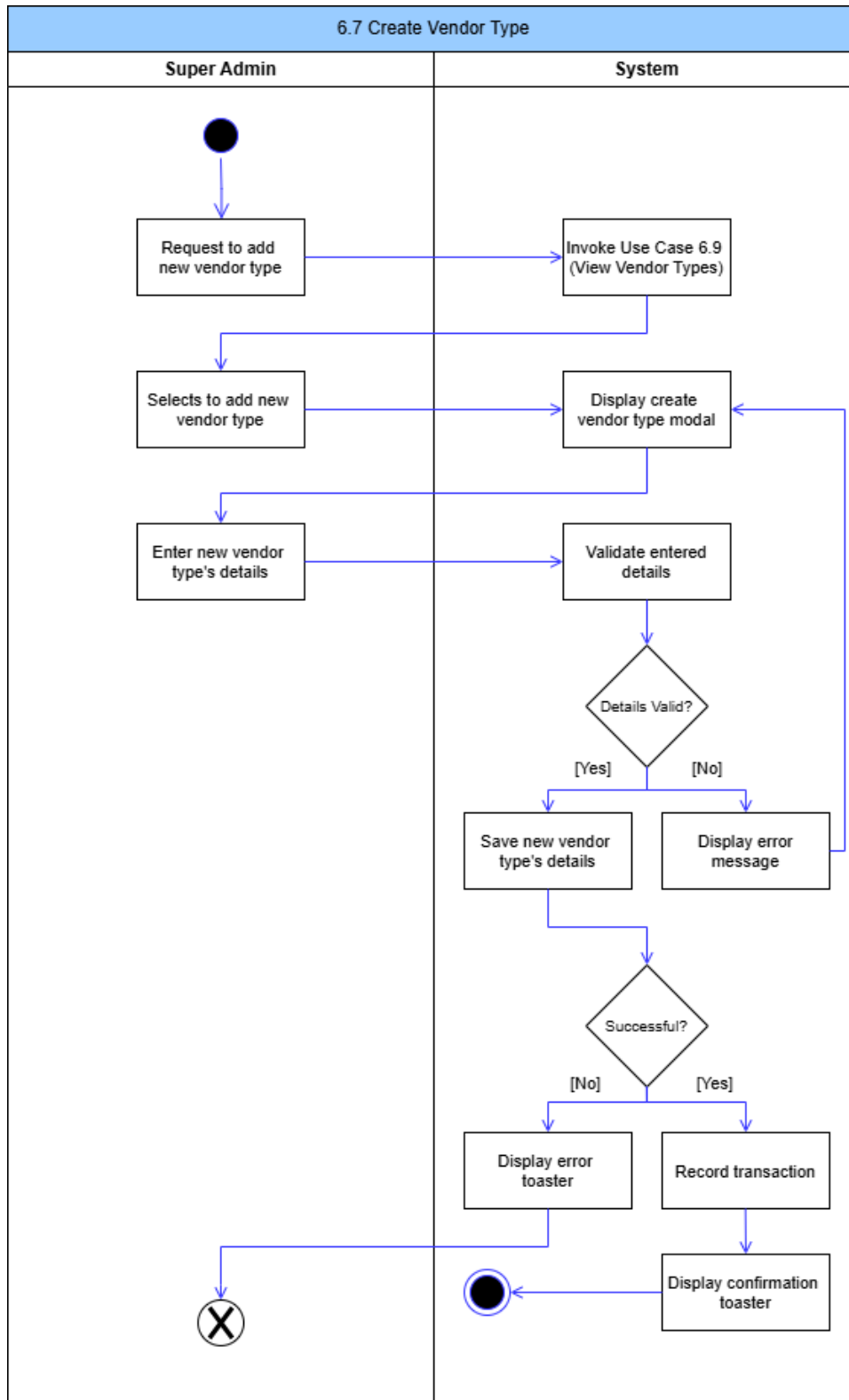


Figure 59: Create Vendor Type Activity Diagram

2.6.8 Update Vendor Type

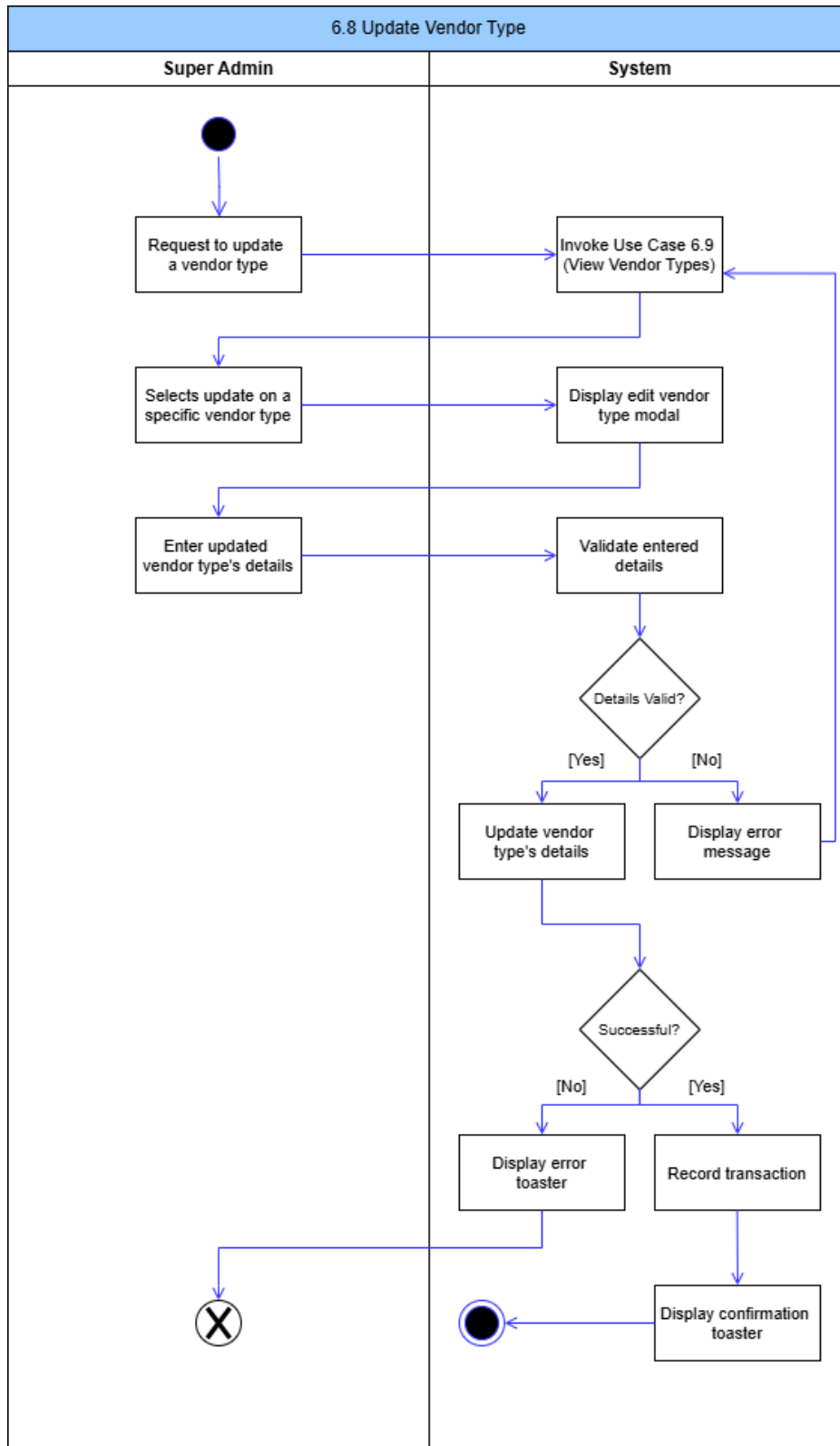


Figure 60: Update Vendor Type Activity Diagram

2.6.9 View Vendor Types

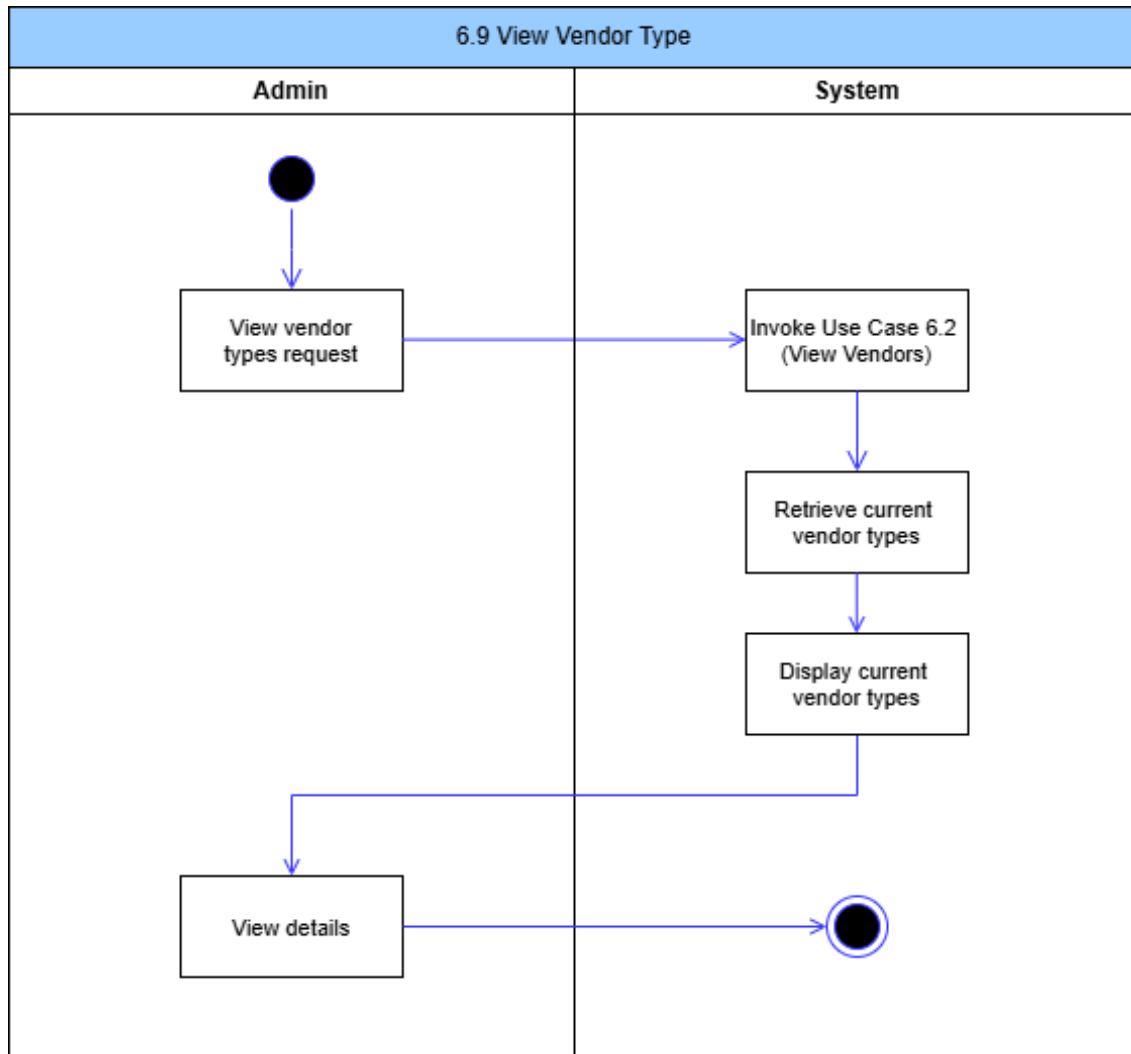


Figure 61: View Vendor Types Activity Diagram

2.6.10 Reactivate Vendor Type

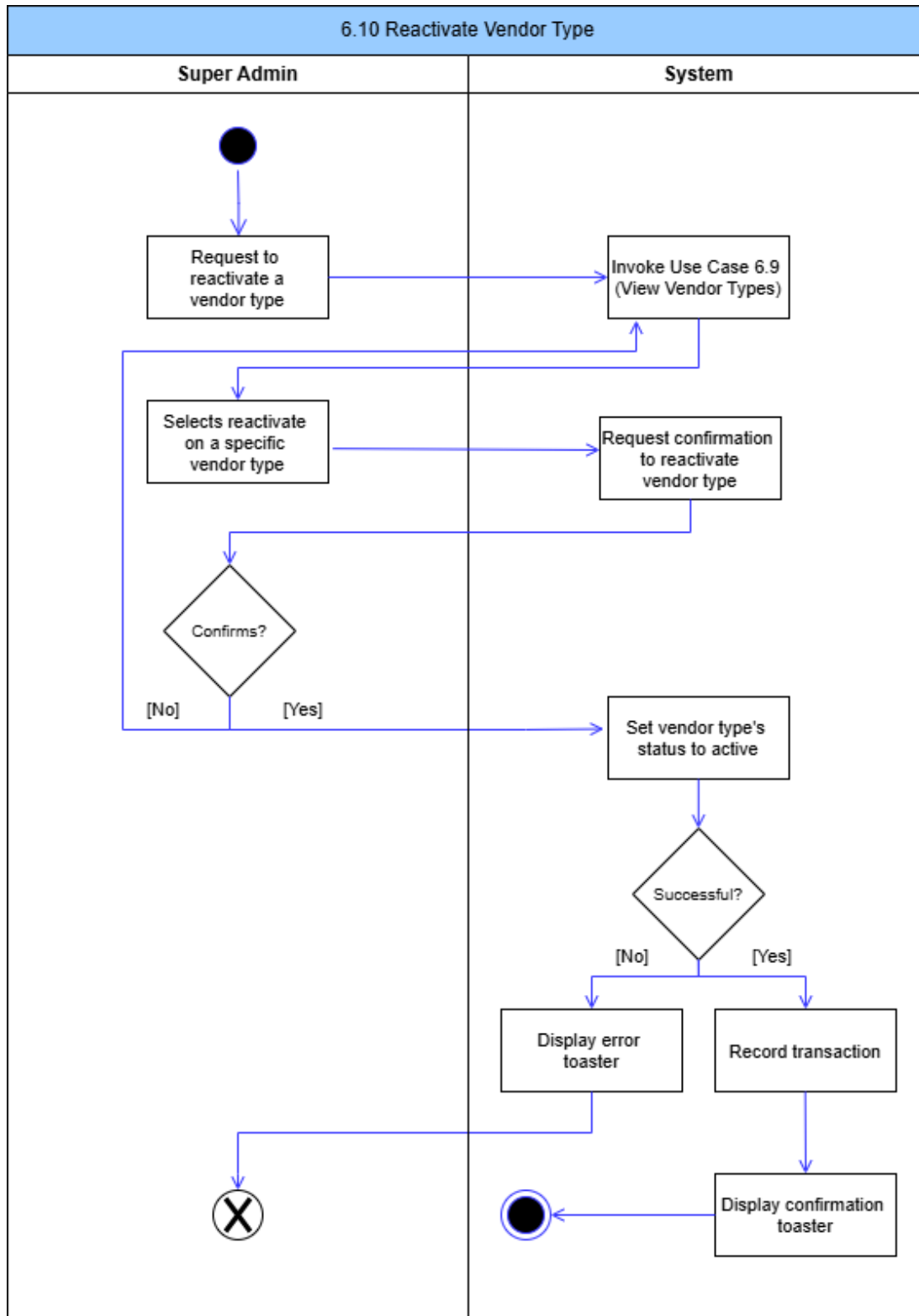


Figure 62: Reactivate Vendor Type Activity Diagram

2.6.11 Deactivate Vendor Type

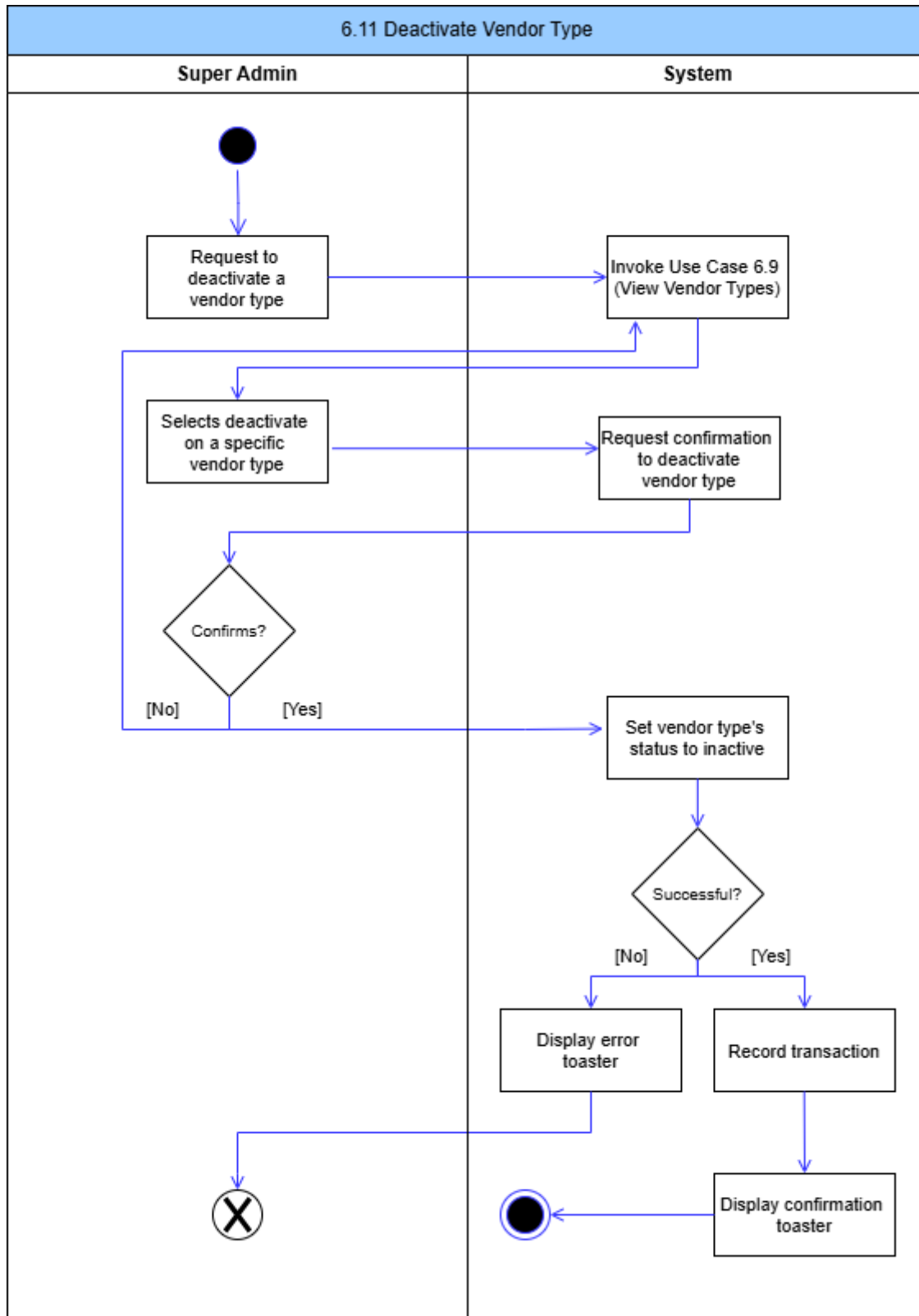


Figure 63: Deactivate Vendor Type Activity Diagram

2.7 Project Management Subsystem Activity Diagrams

2.7.1 Create Project

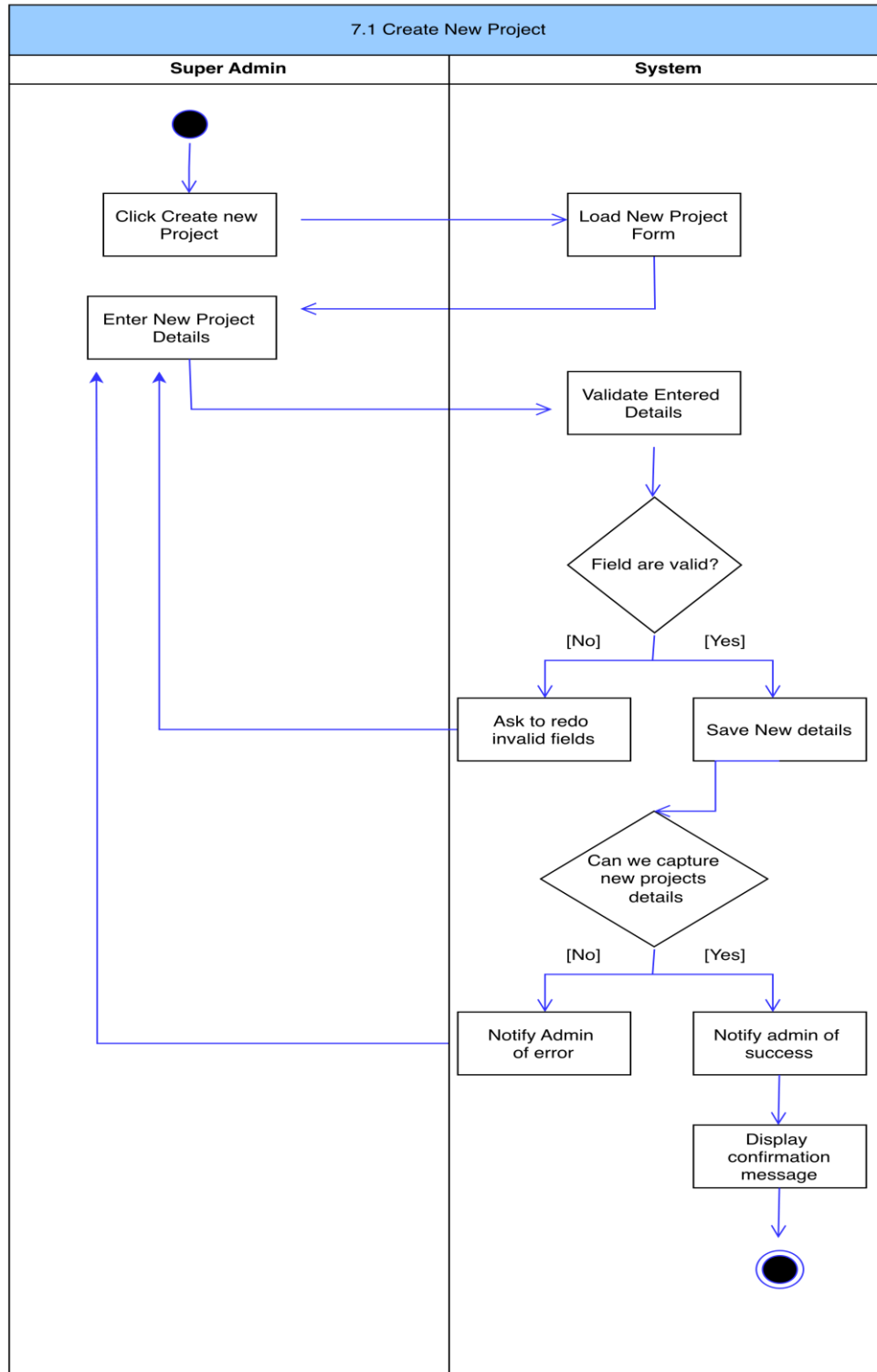


Figure 64: Create Project Activity Diagram

2.7.2 View Project

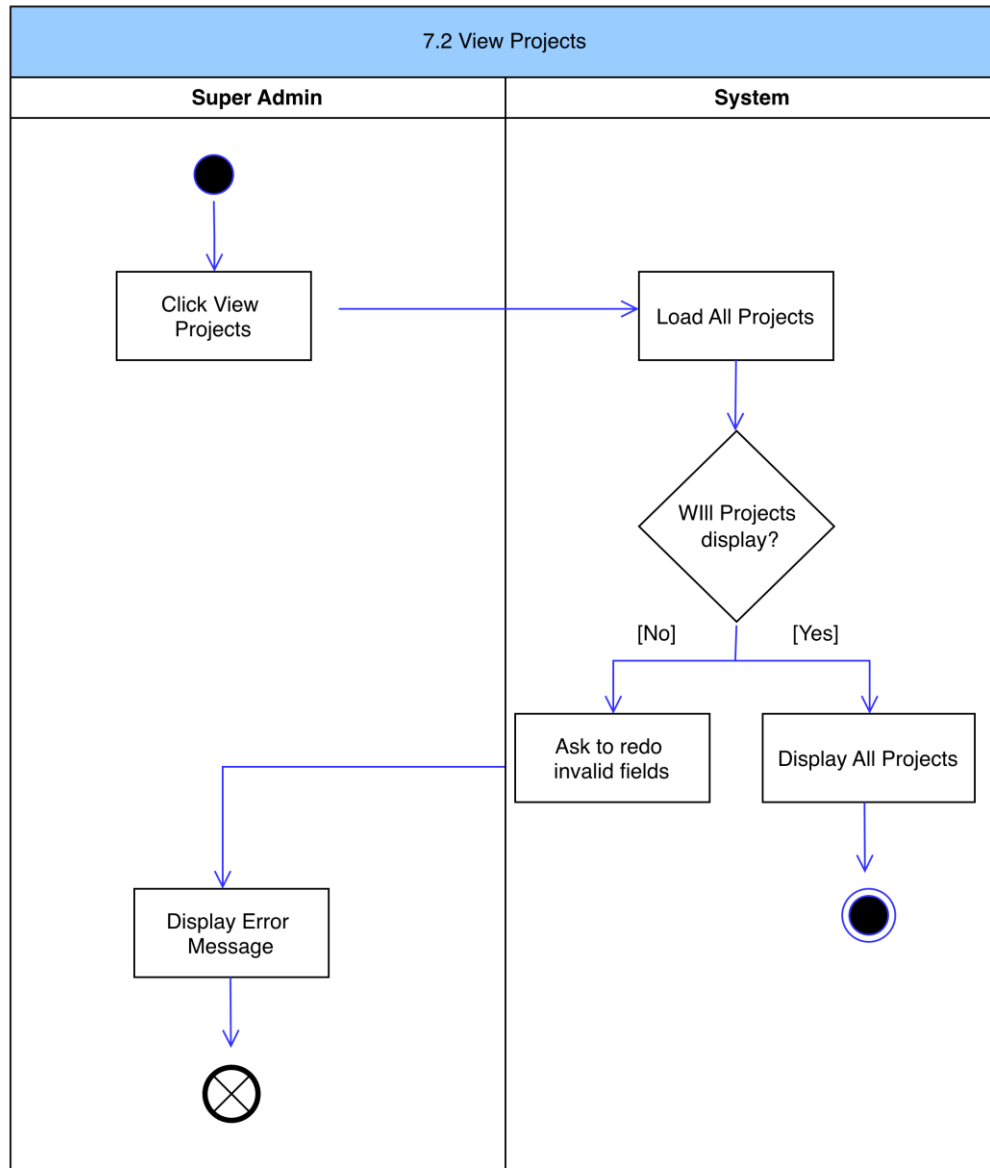


Figure 65: View Project Activity Diagram

2.7.3 Update Project

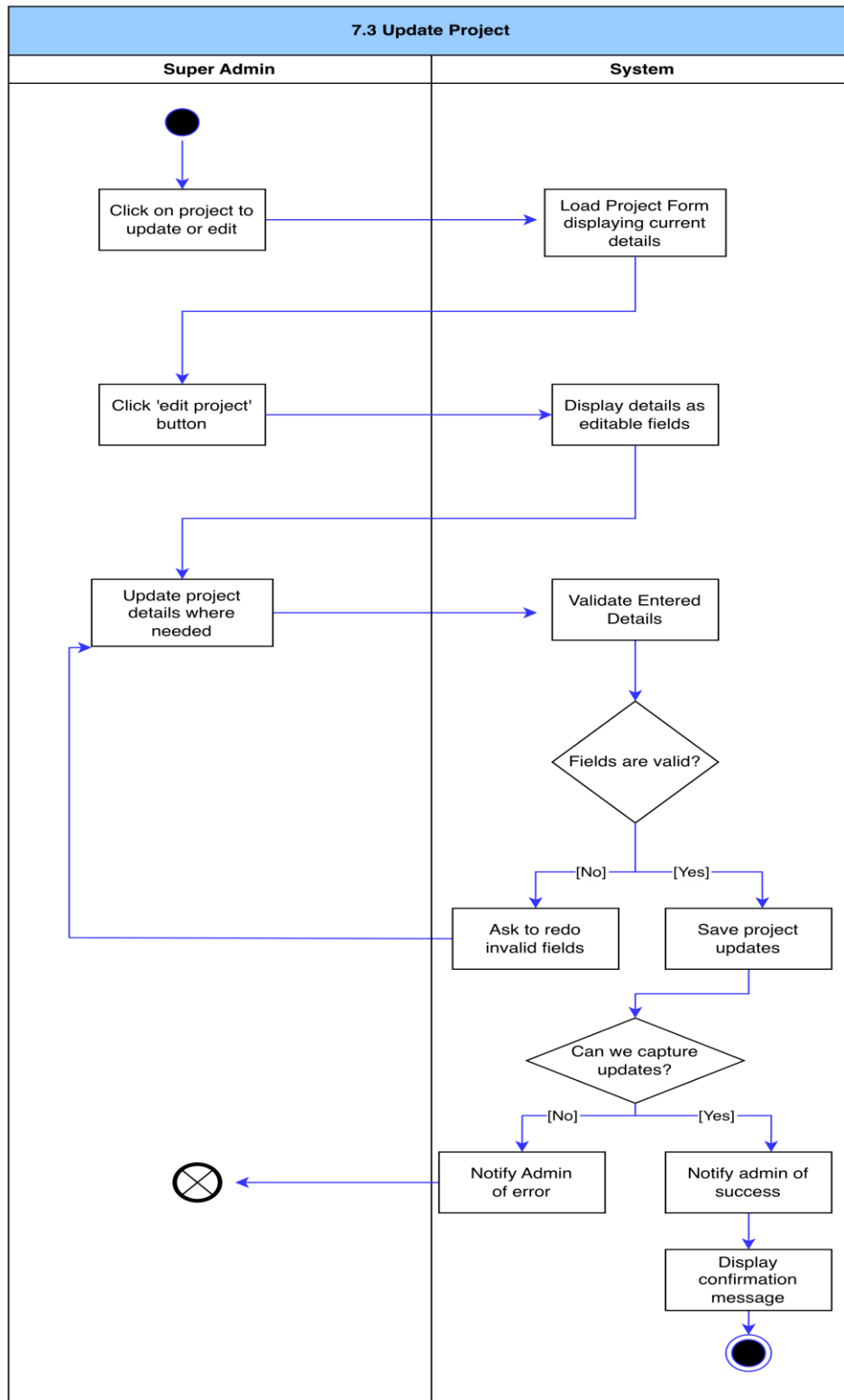


Figure 66: Update Project Activity Diagram

2.7.4 Deactivate Project

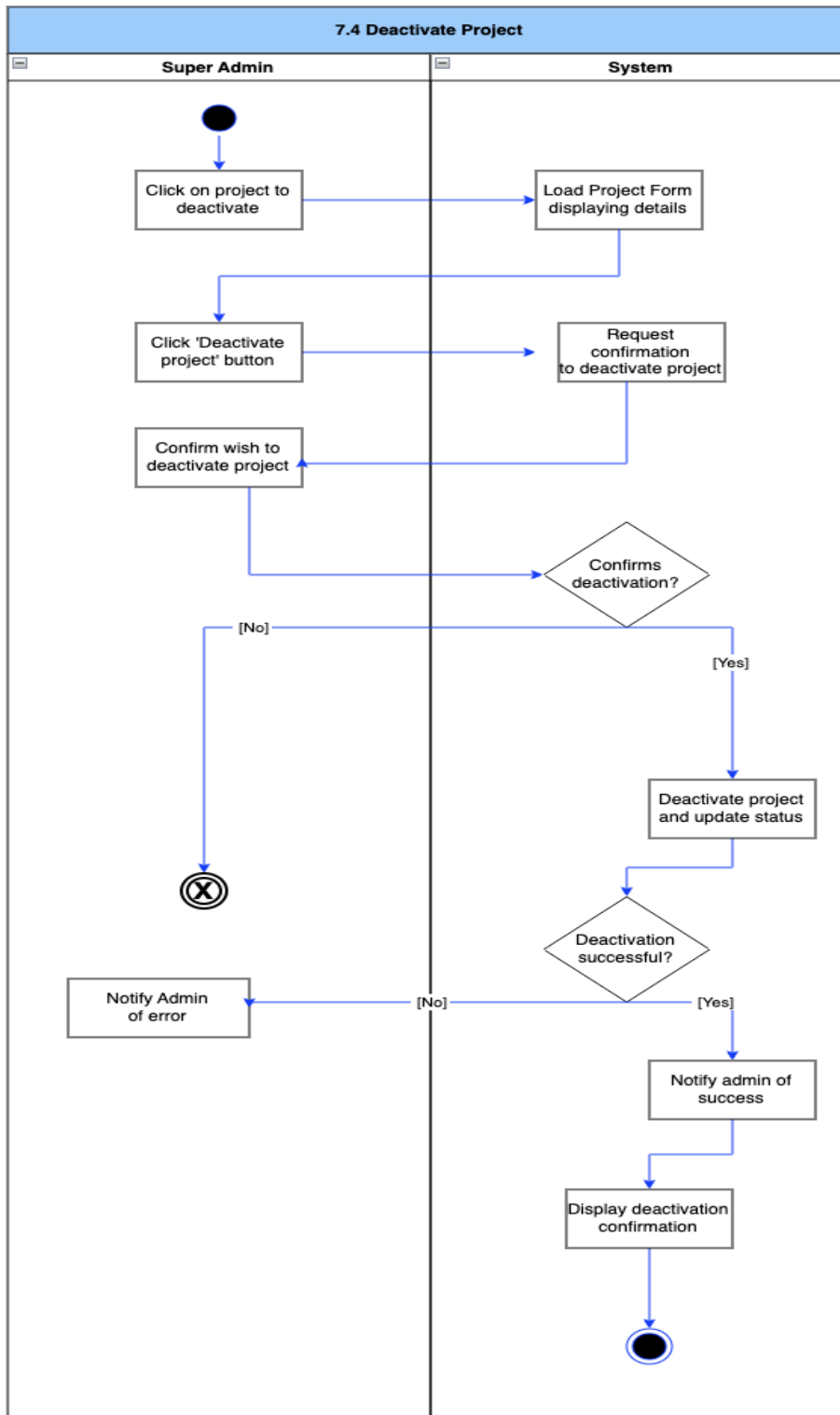


Figure 67: Deactivate Project Activity Diagram

2.7.5 Create Project Type

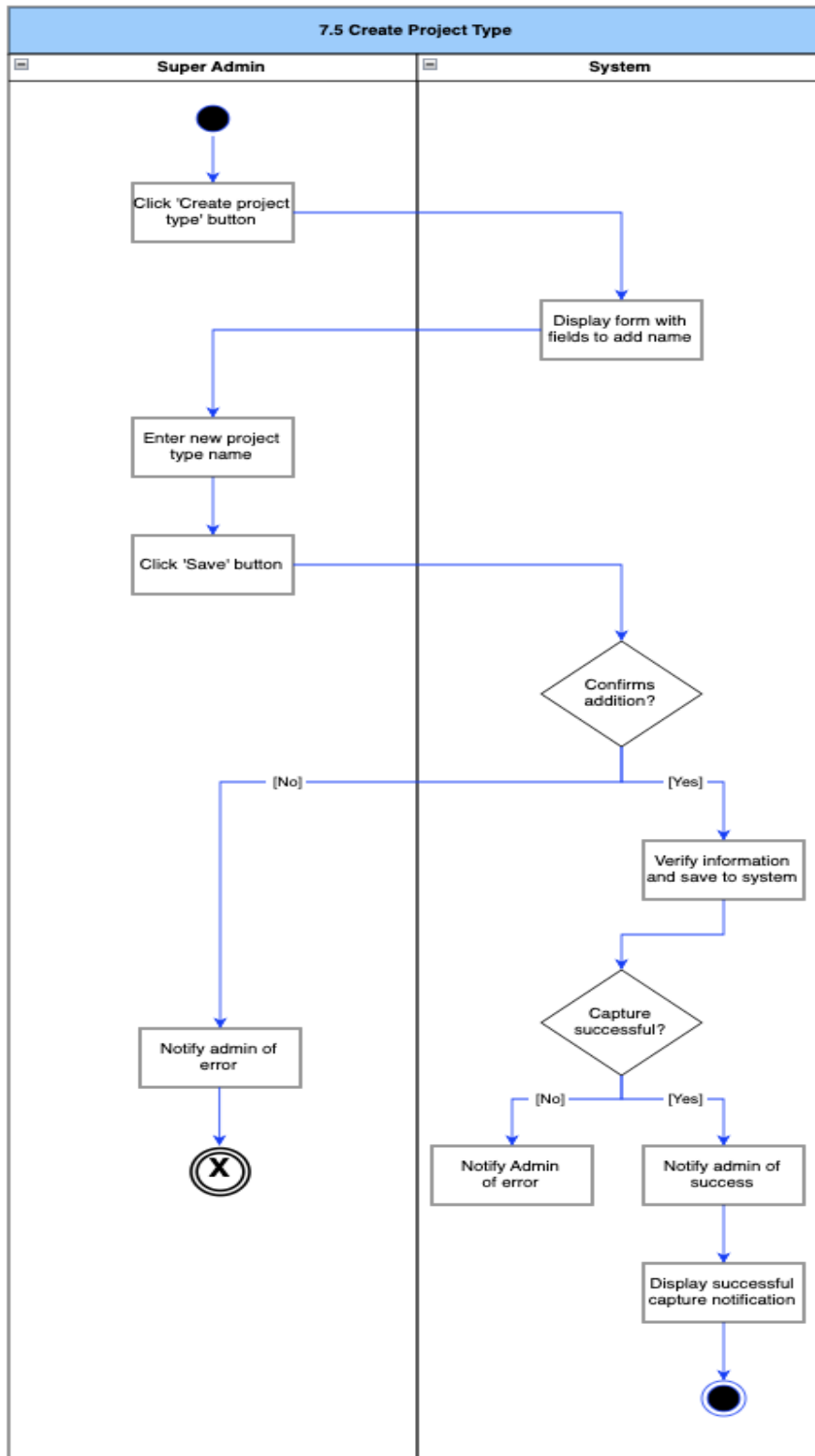


Figure 68: Create Project Type Activity Diagram

2.7.6 View Project Type

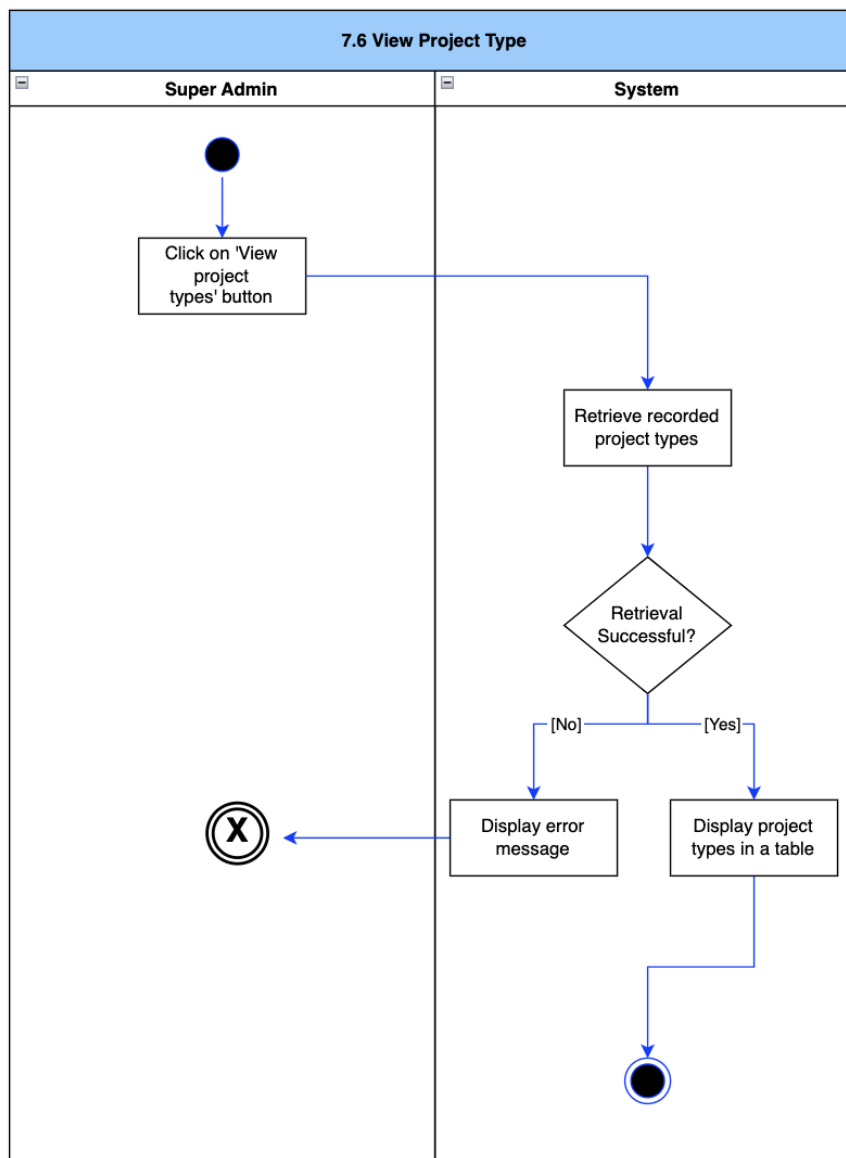


Figure 69: View Project Type Activity Diagram

2.7.7 Update Project Type

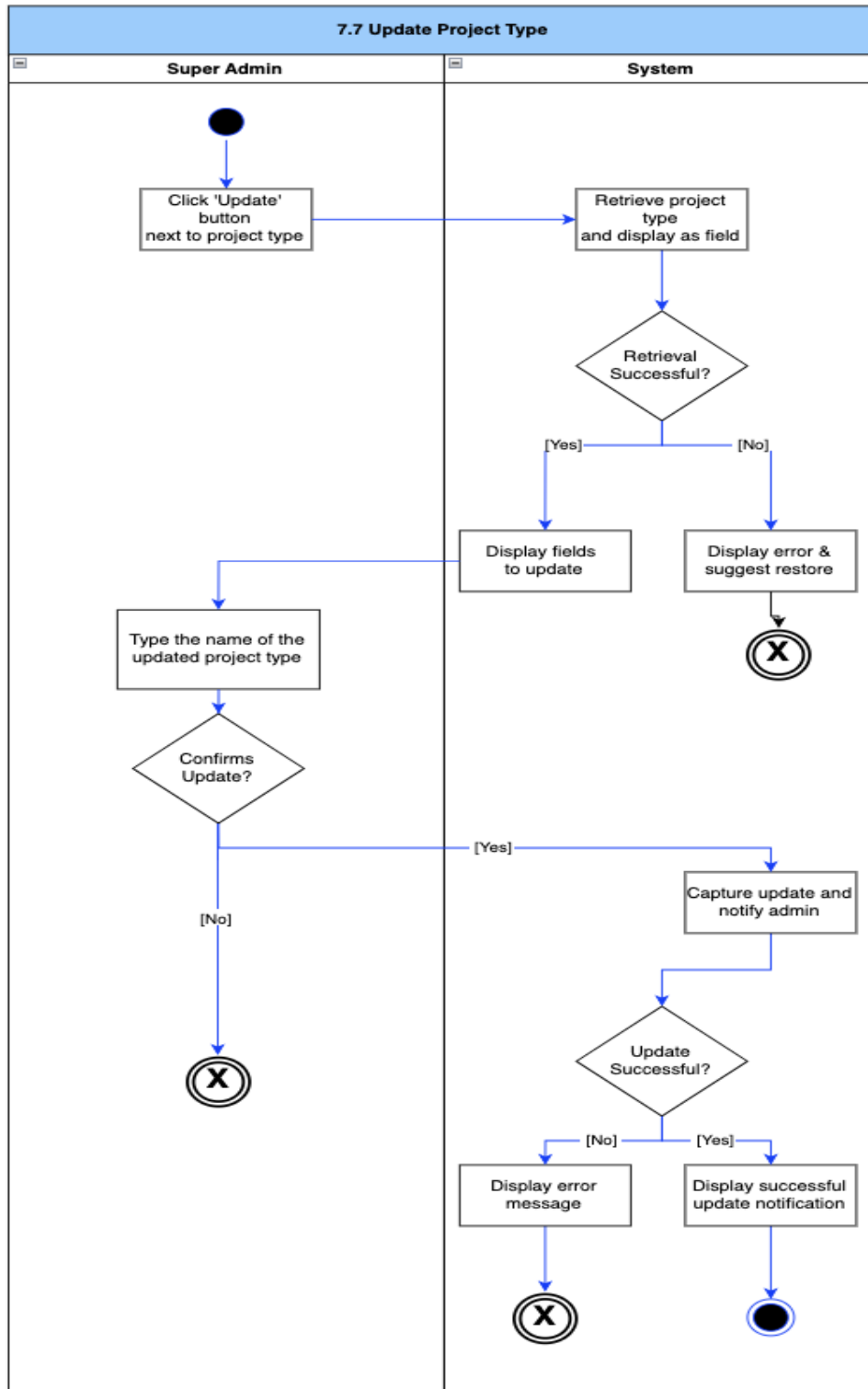


Figure 70: Update Project Type Activity Diagram

2.7.8 Deactivate Project Type

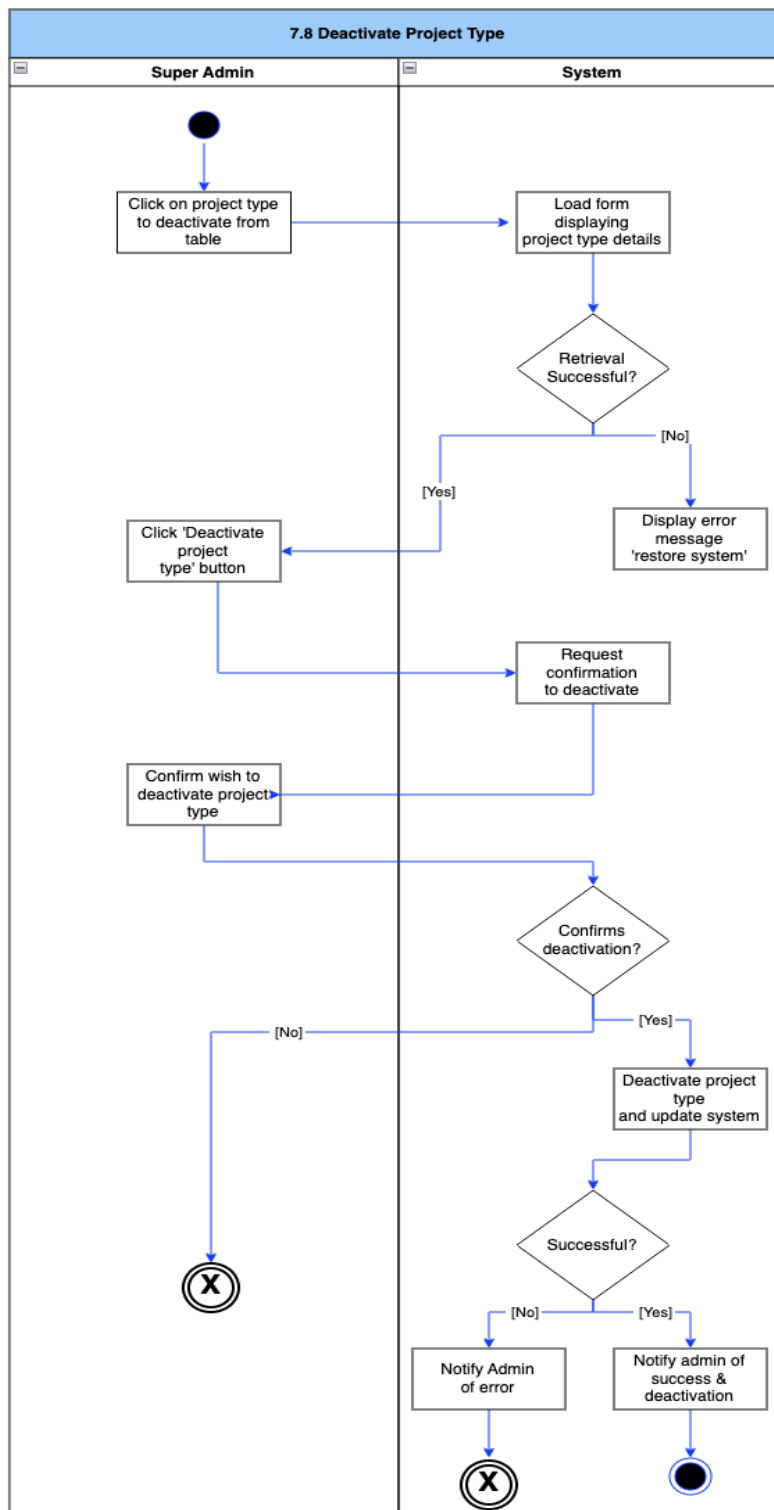


Figure 71: Deactivate Project Type Activity Diagram

2.7.9 Add Indemnity Form

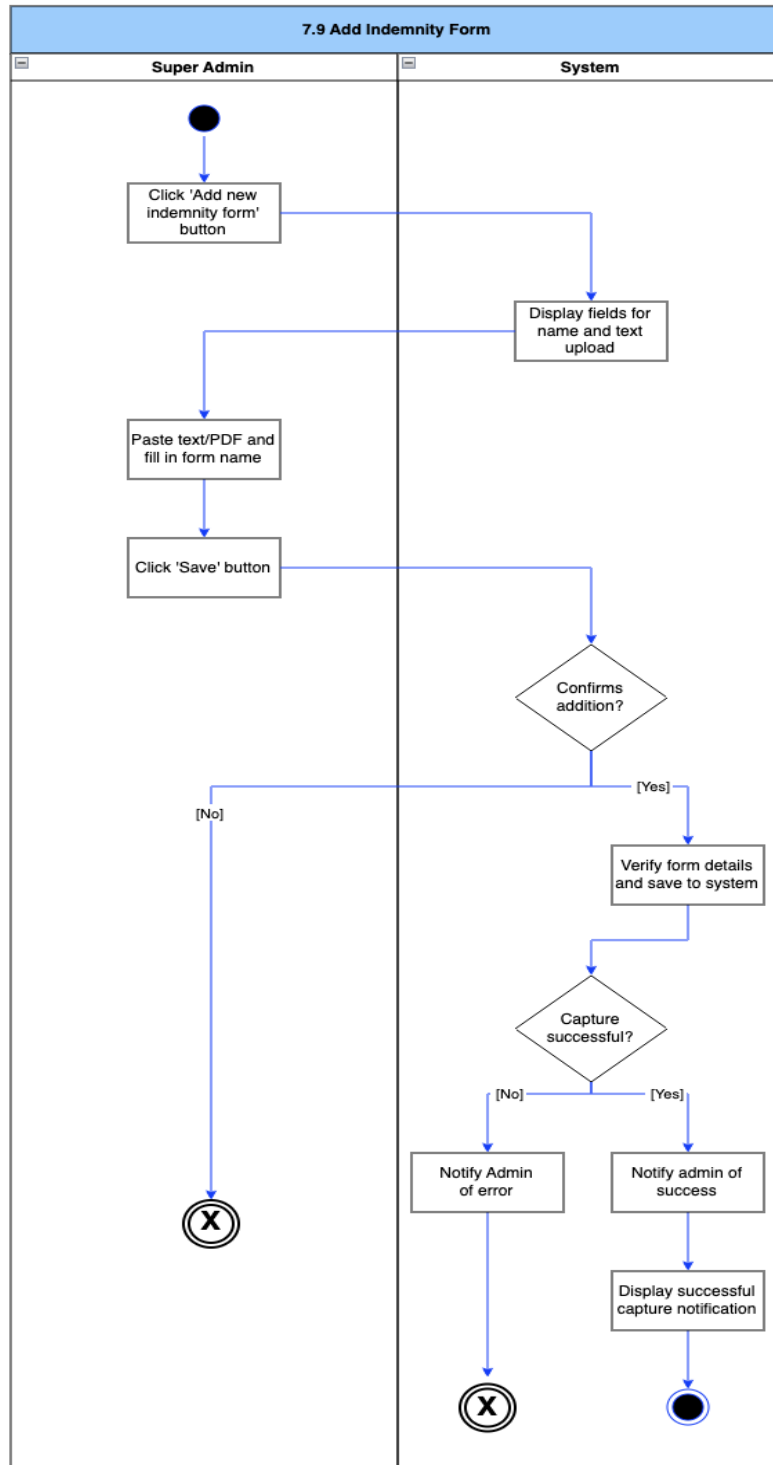


Figure 72: Add Indemnity Form Activity Diagram

2.7.10 Update Indemnity Form

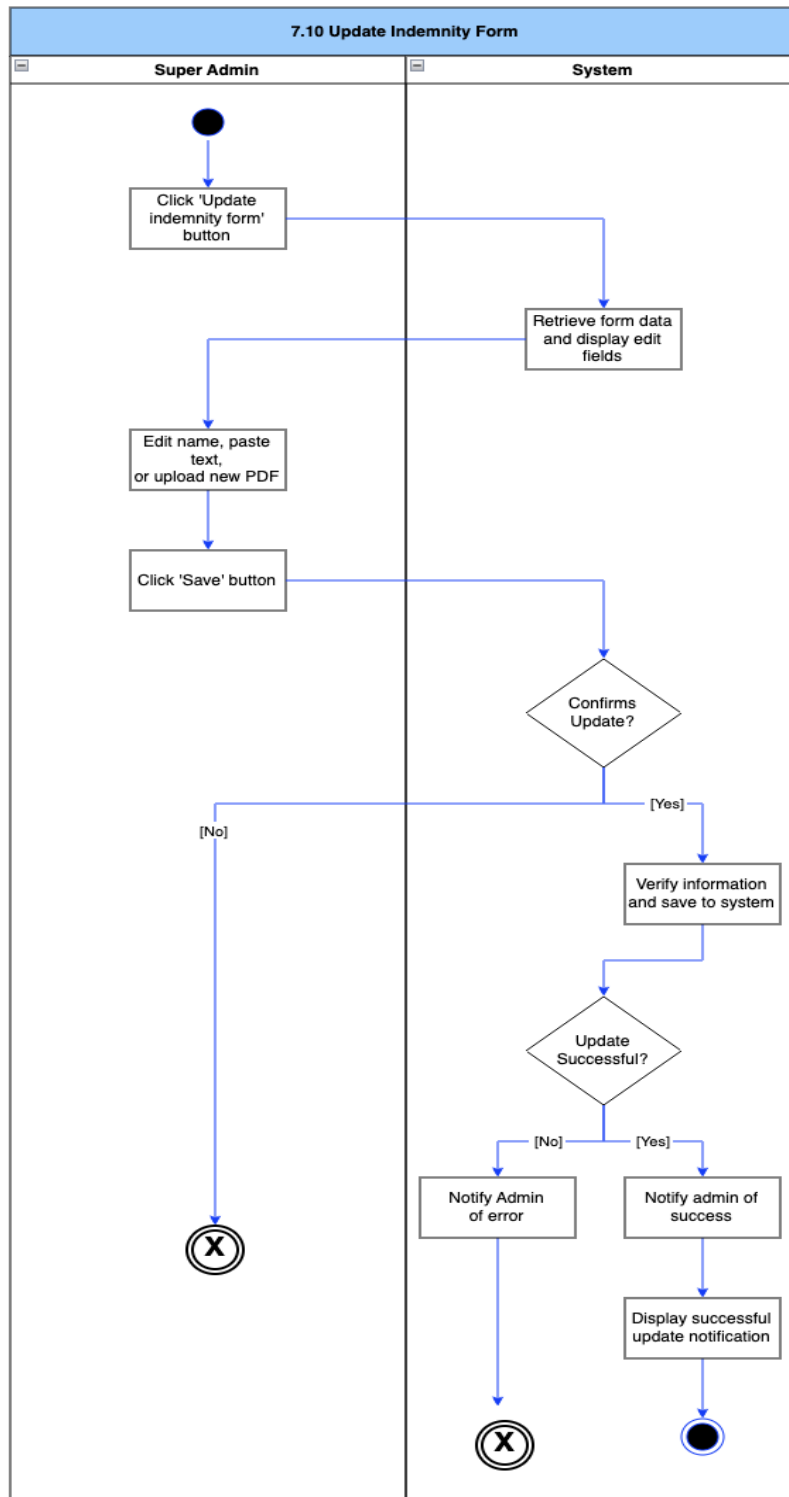


Figure 73: Update Indemnity Form Activity Diagram

2.7.11 View Indemnity Form

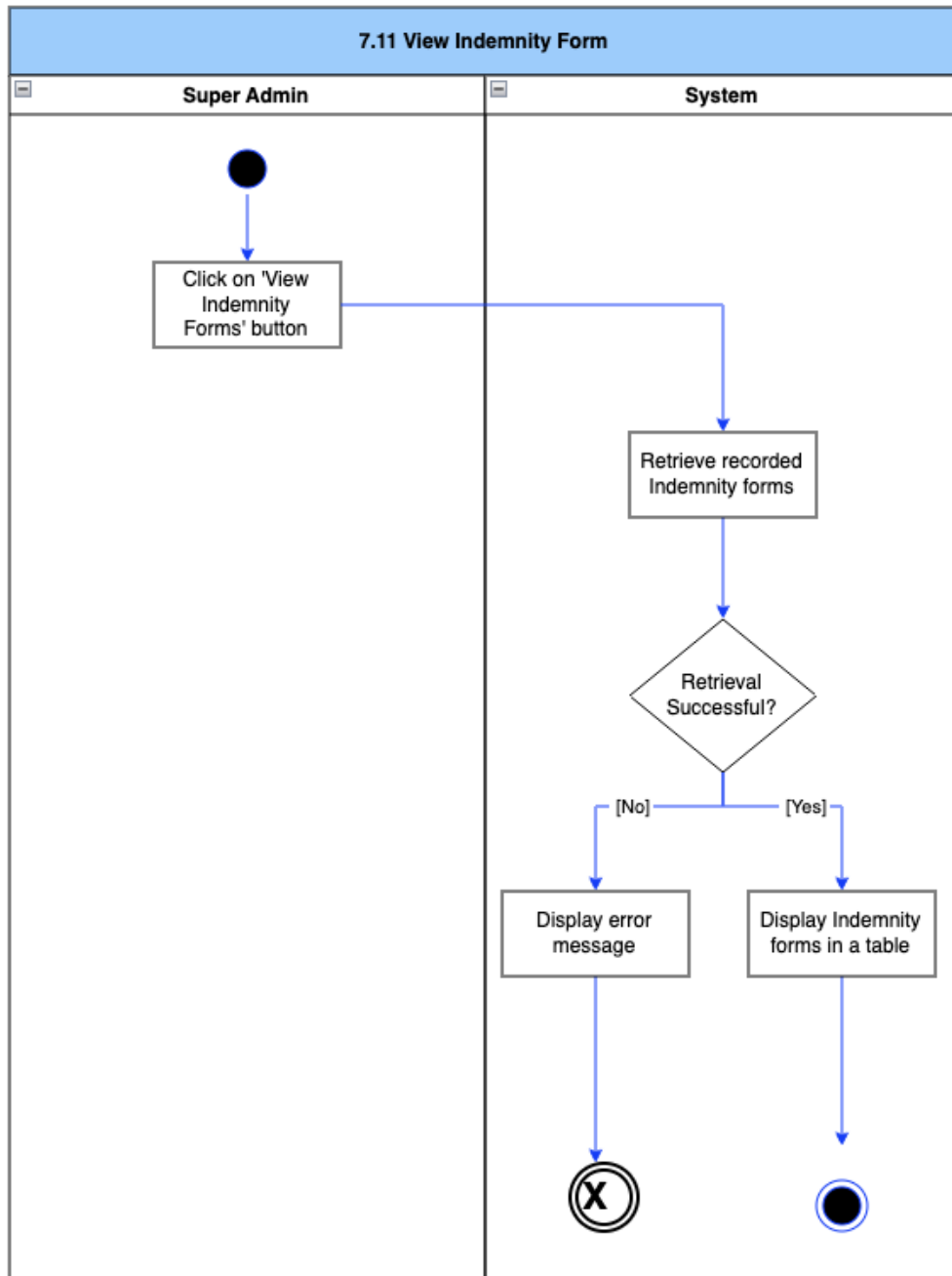


Figure 74: View Indemnity Form Activity Diagram

2.7.12 Remove Indemnity Form

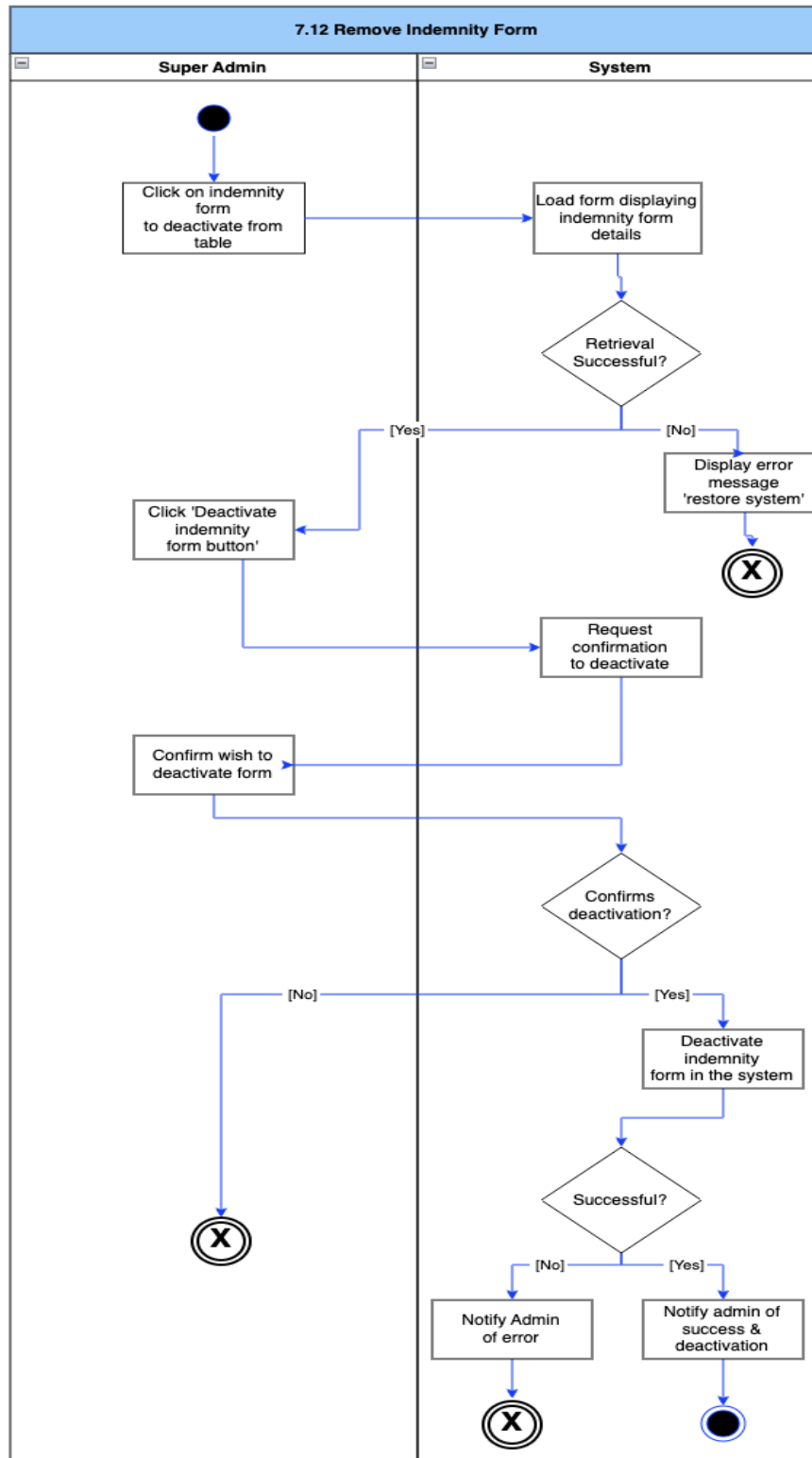


Figure 75: Remove Indemnity Form Activity Diagram

2.7.13 Capture Indemnity Form

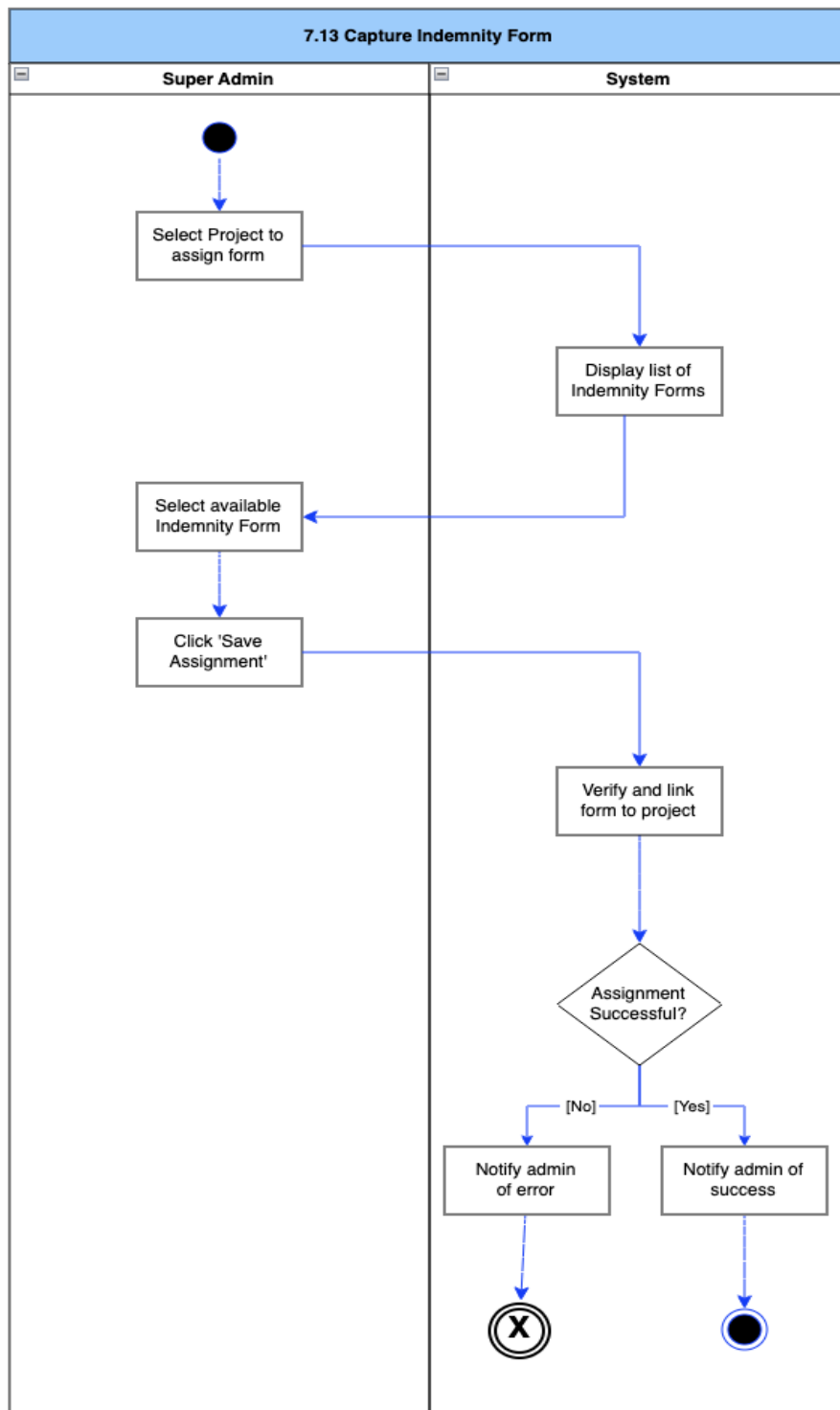


Figure 76: Capture Indemnity Form Activity Diagram

2.7.14 Capture Project Feedback

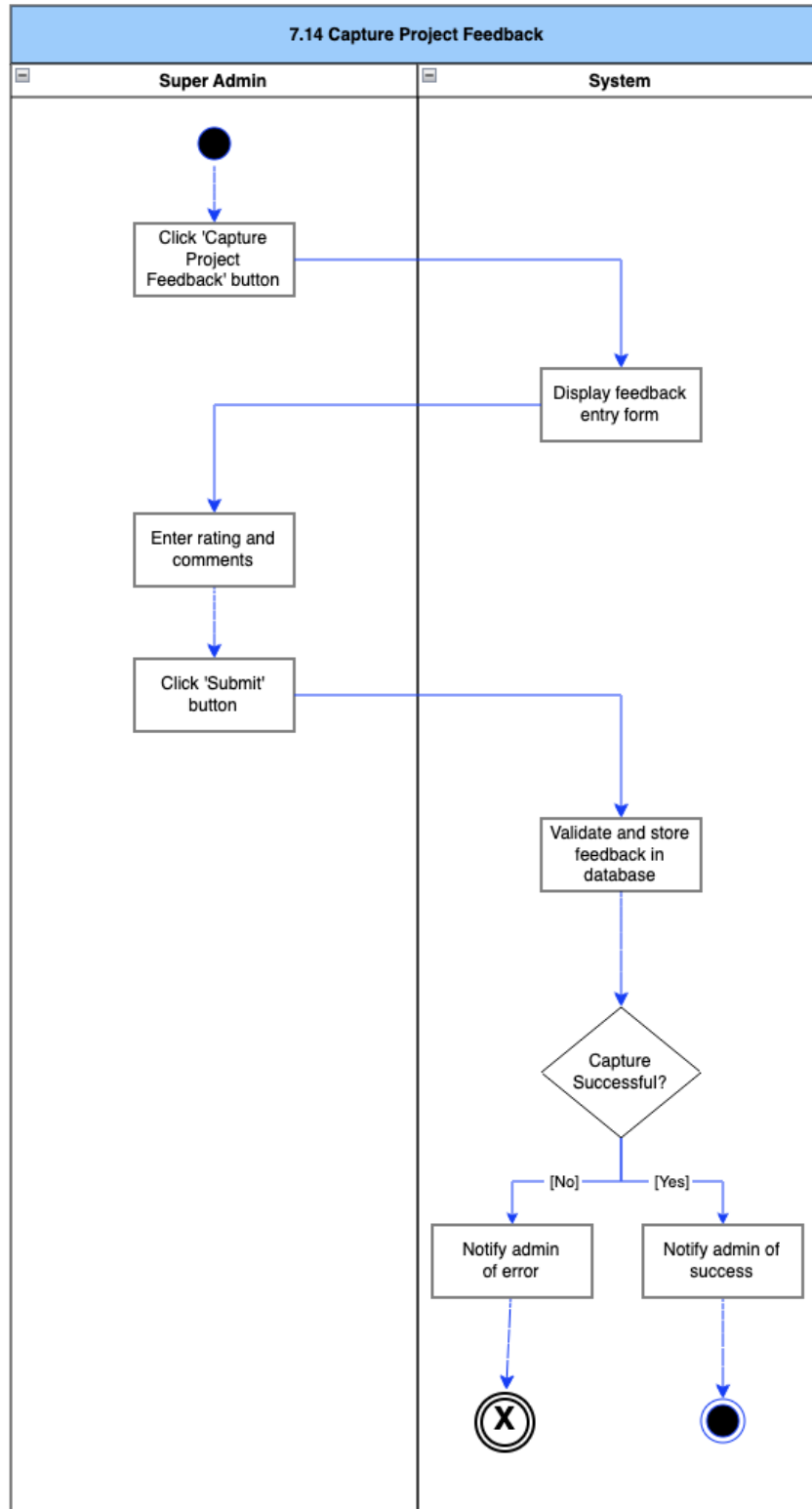


Figure 77: Capture Project Feedback Activity Diagram

2.7.15 View Project Feedback

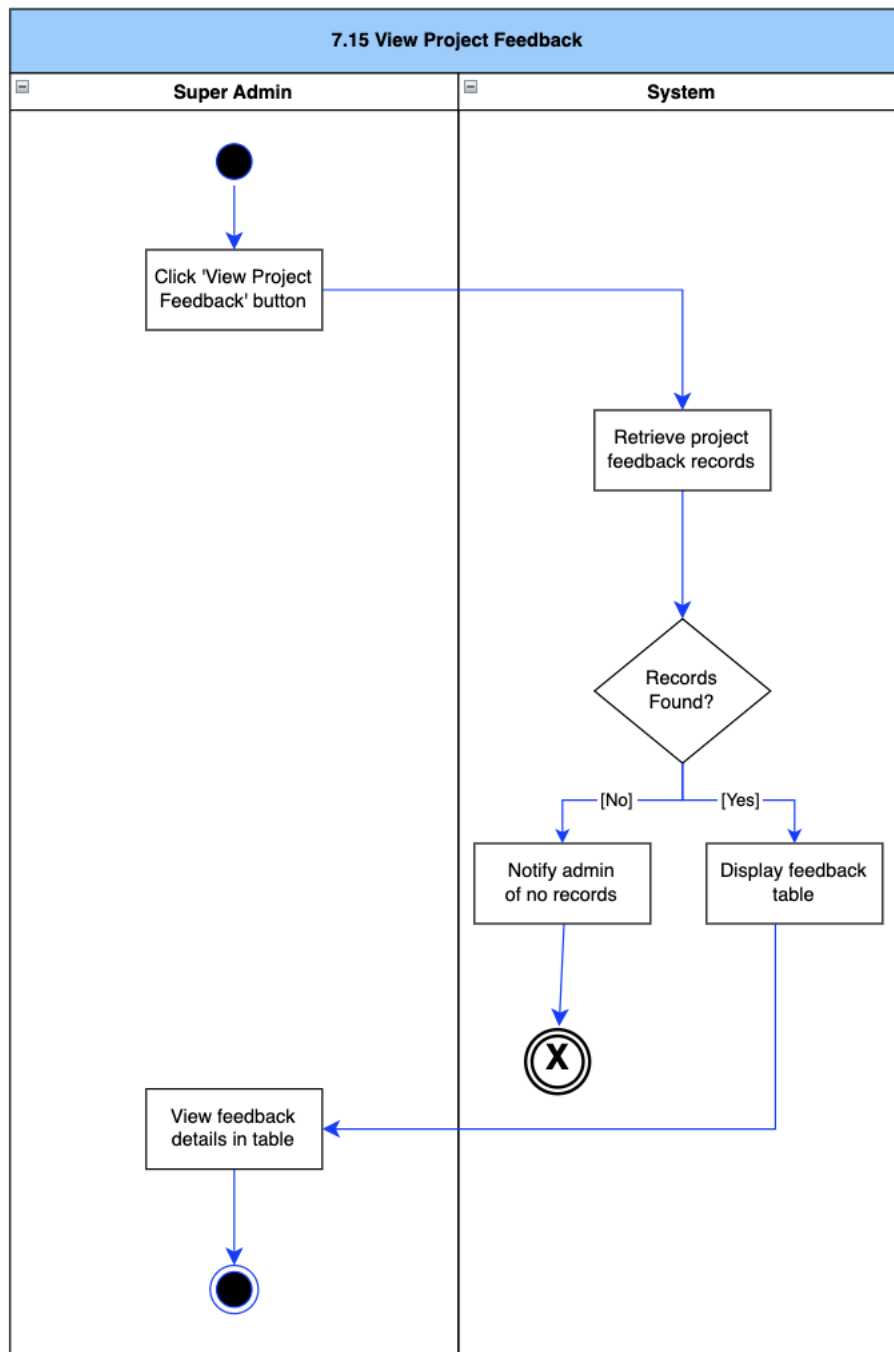


Figure 78: View Project Feedback Activity Diagram

2.7.16 Create Impact Feedback Form

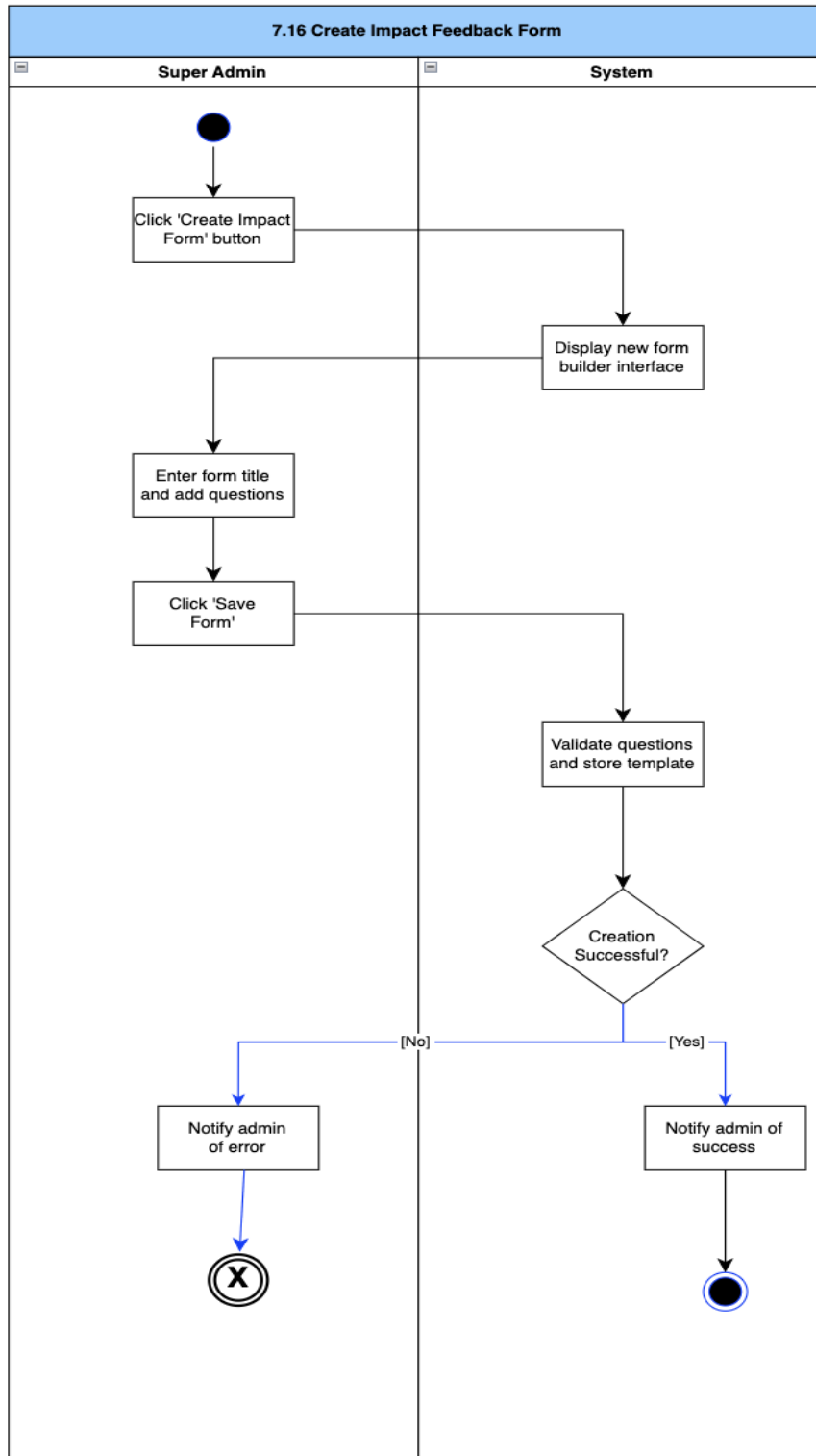


Figure 79: Create Impact Feedback Form Activity Diagram

2.7.17 View Impact Feedback Form

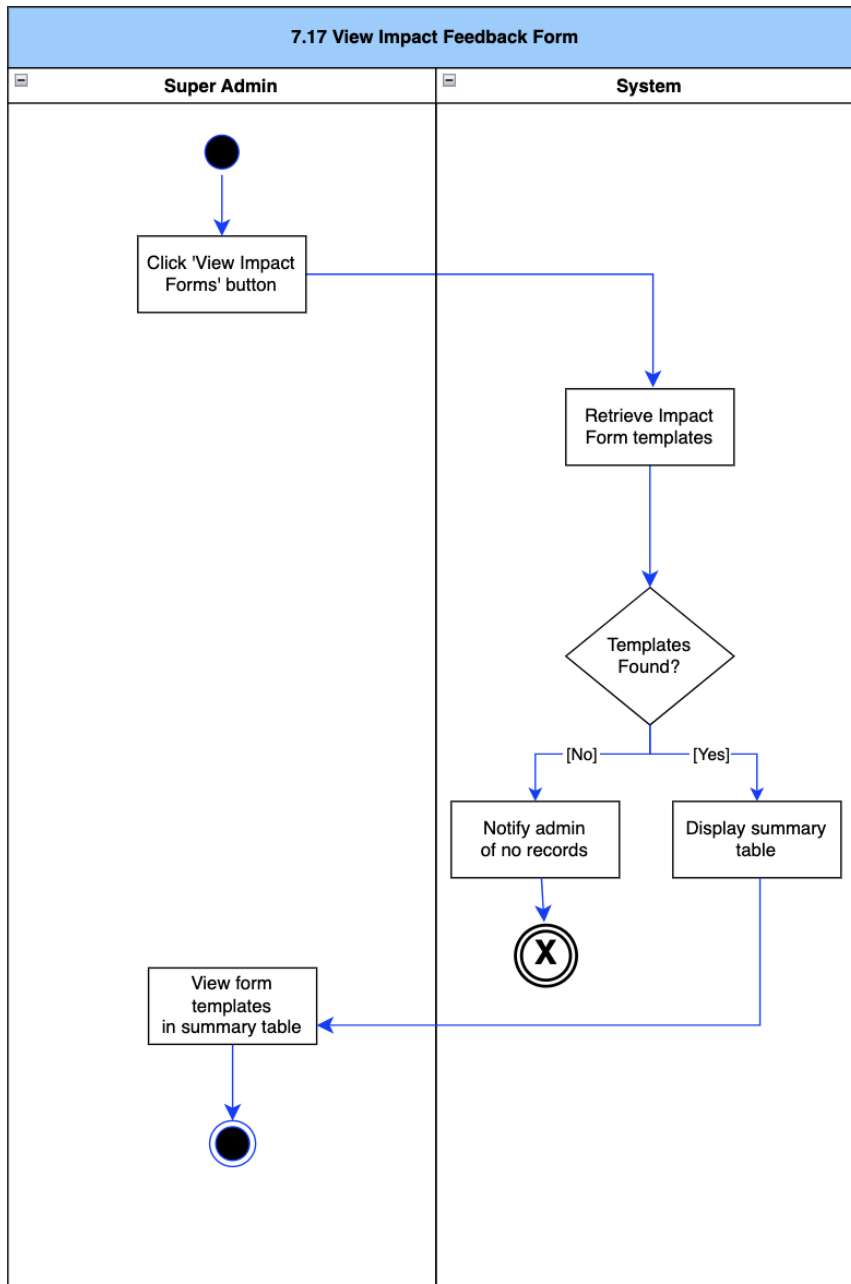


Figure 80: View Impact Feedback Form Activity Diagram

2.7.18 Update Impact Feedback Form

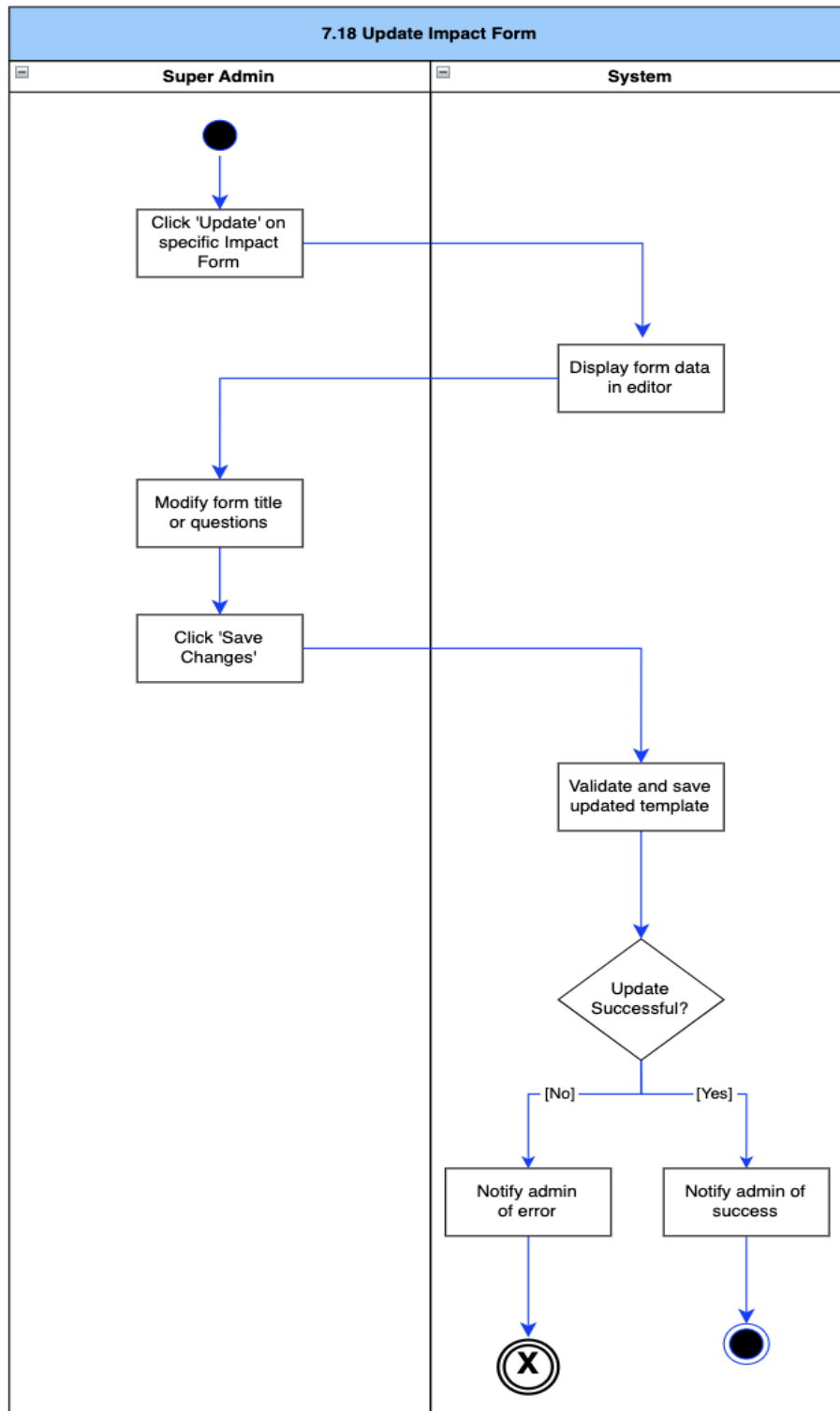


Figure 81: Update Impact Feedback Form Activity Diagram

2.7.19 Deactivate Impact Feedback Form

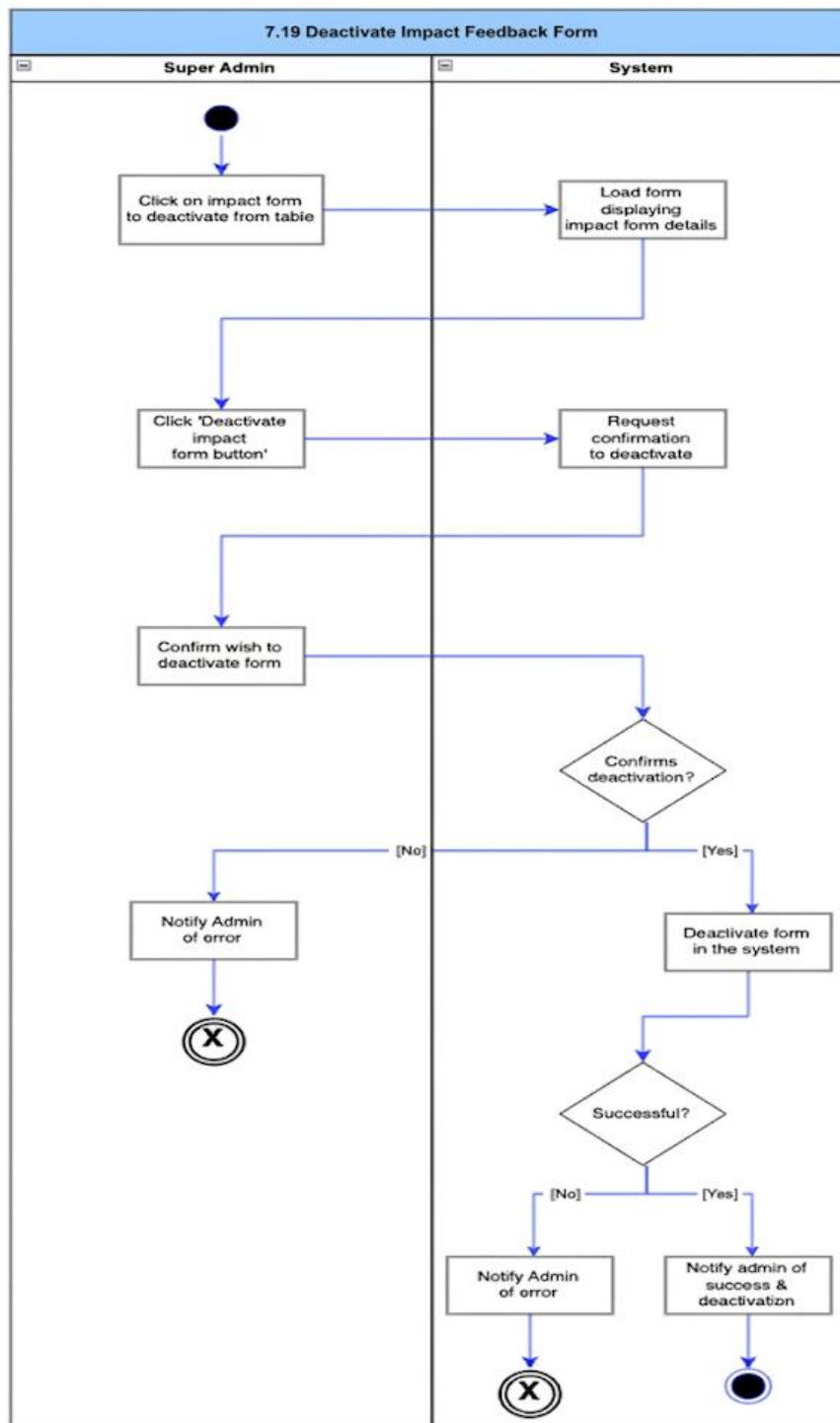


Figure 82: Deactivate Impact Feedback Form Activity Diagram

2.7.20 Capture Impact Feedback

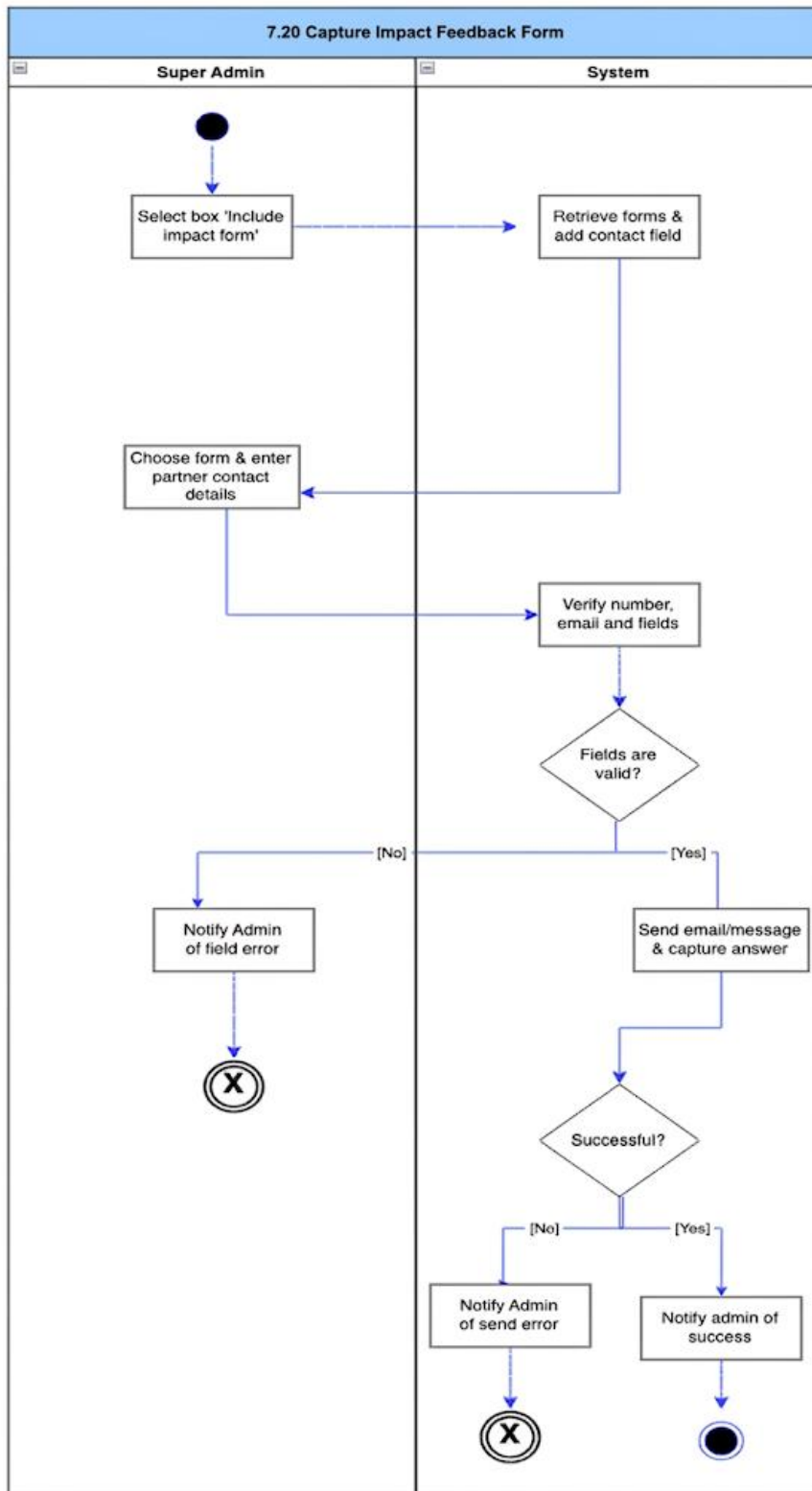


Figure 83: Capture Impact Feedback Activity Diagram

2.7.21 View Impact Feedback

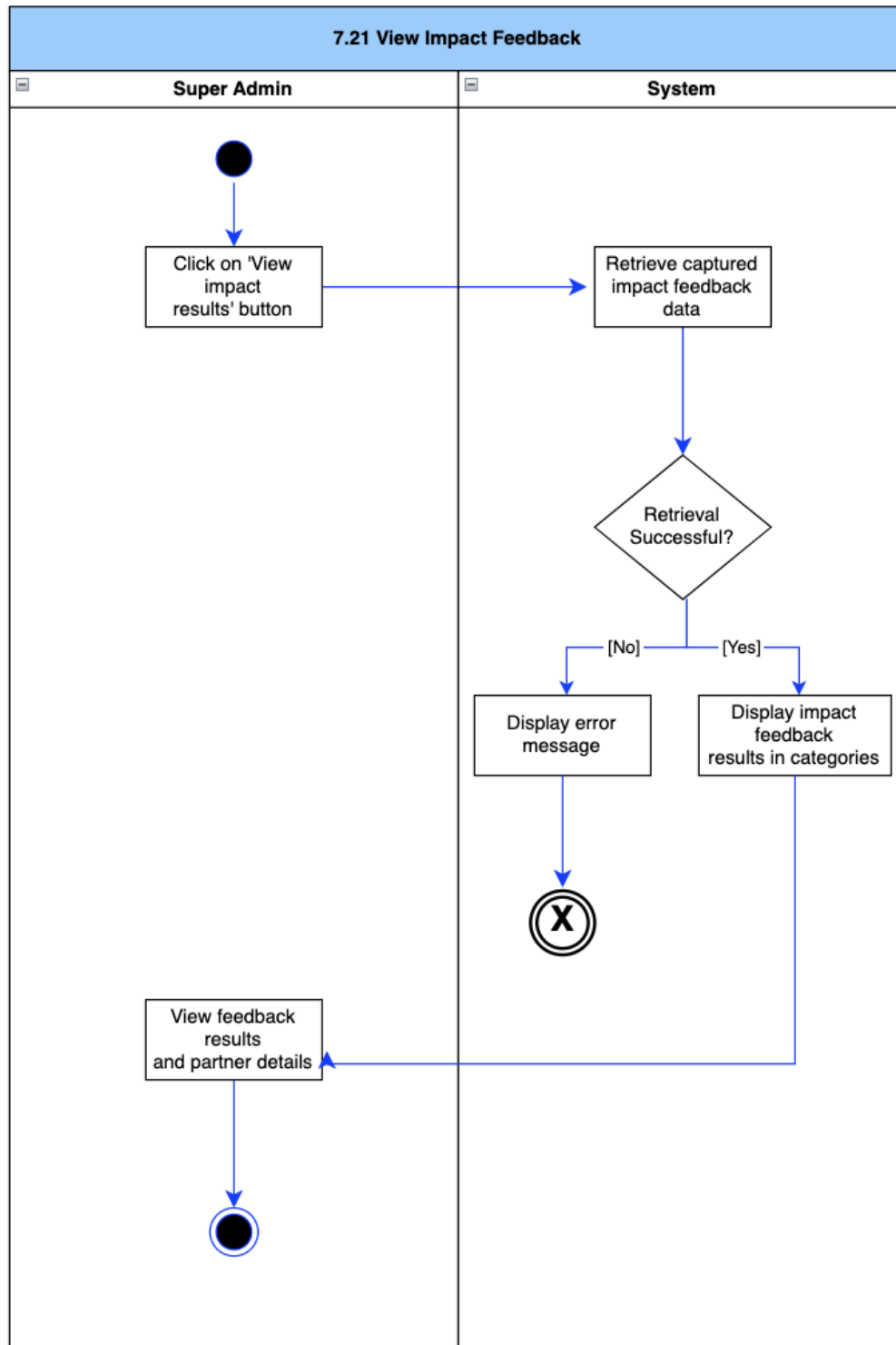


Figure 84: View Impact Feedback Activity Diagram

2.7.22 Add Photo

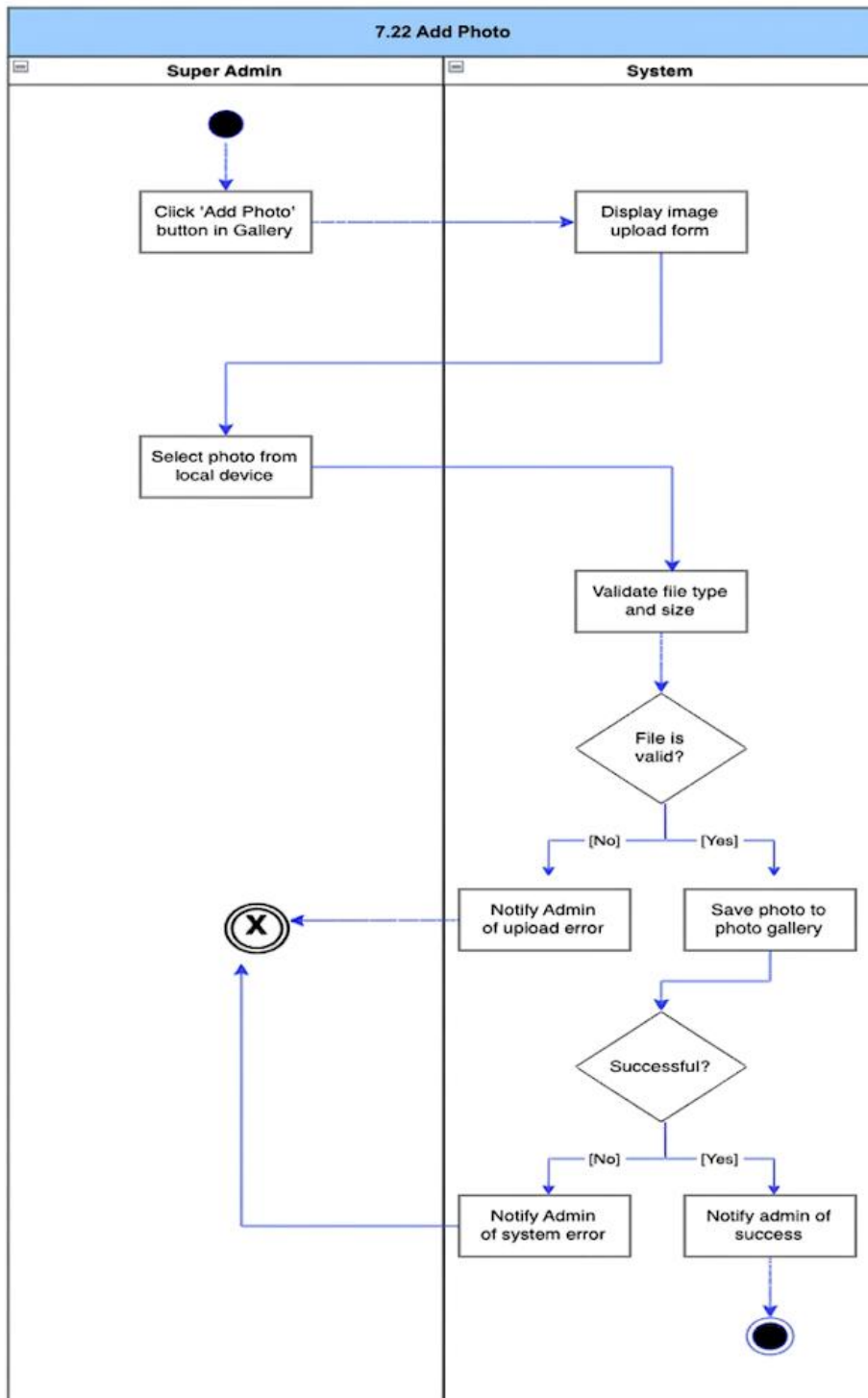


Figure 85: Add Photo Activity Diagram

2.7.23 View Photo

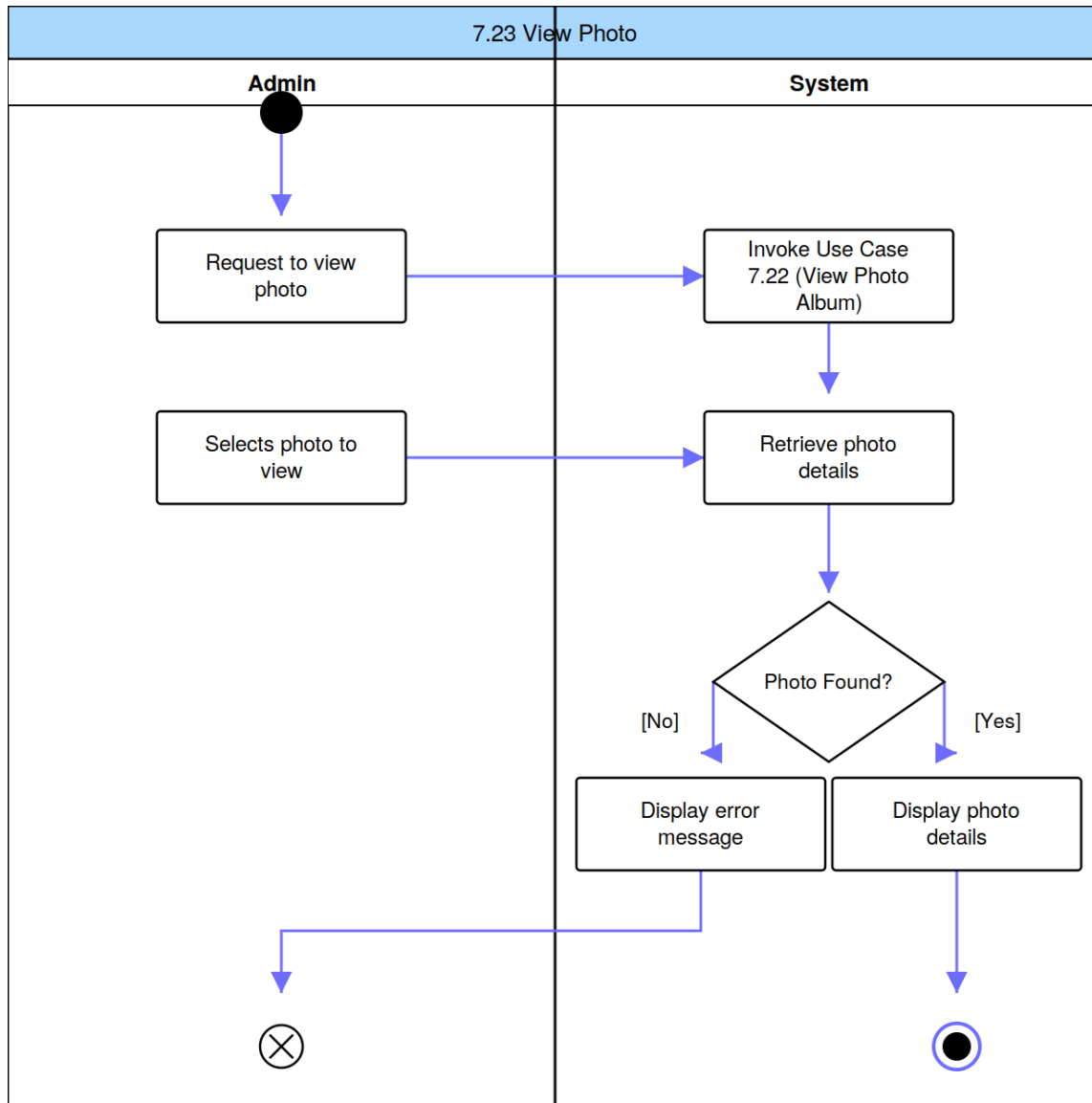


Figure 86: View Photo Activity Diagram

2.7.24 Delete Photo

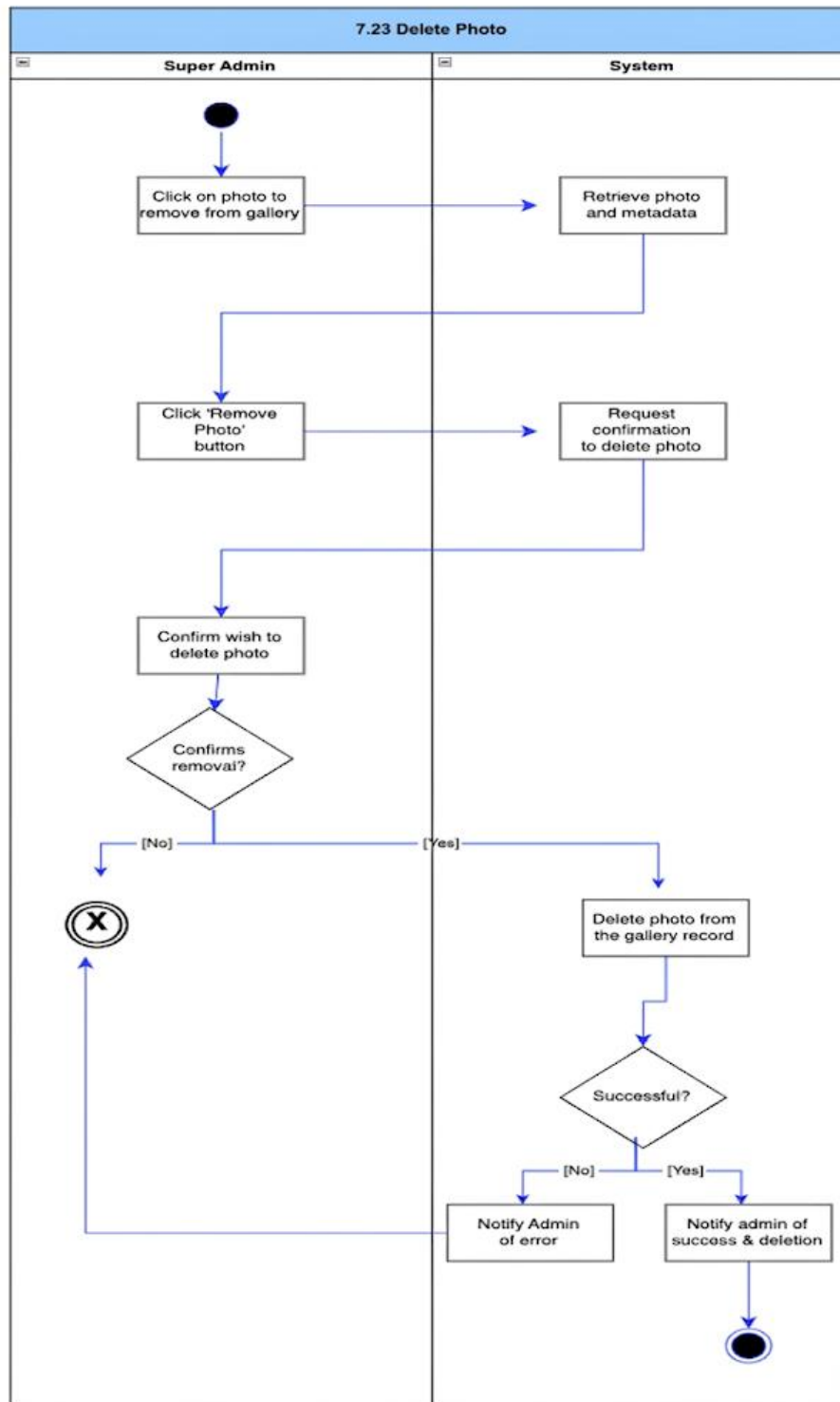


Figure 87: Delete Photo Activity Diagram

2.7.25 Add Photo Album

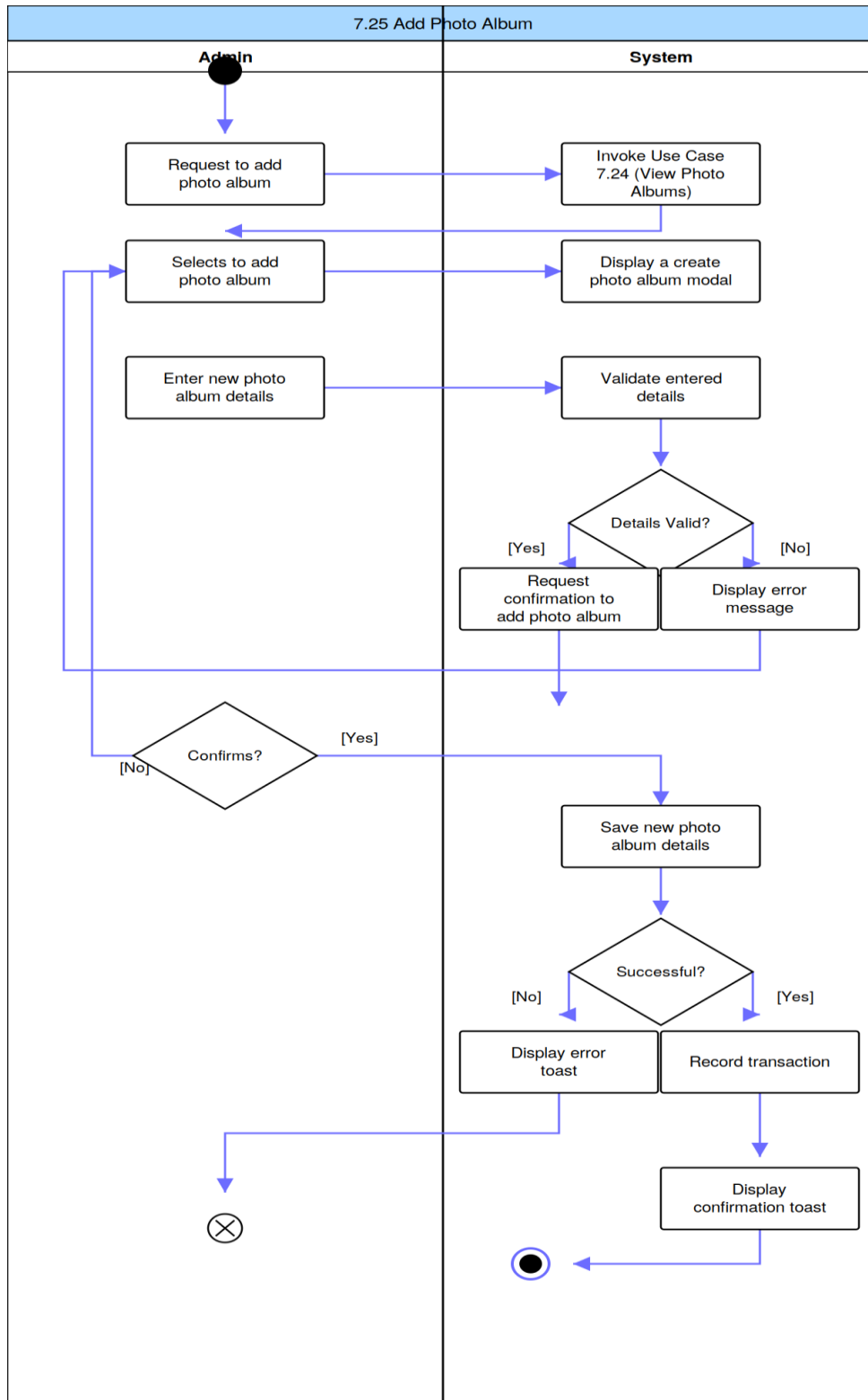


Figure 88: Add Photo Album Activity Diagram

2.7.26 View Photo Album

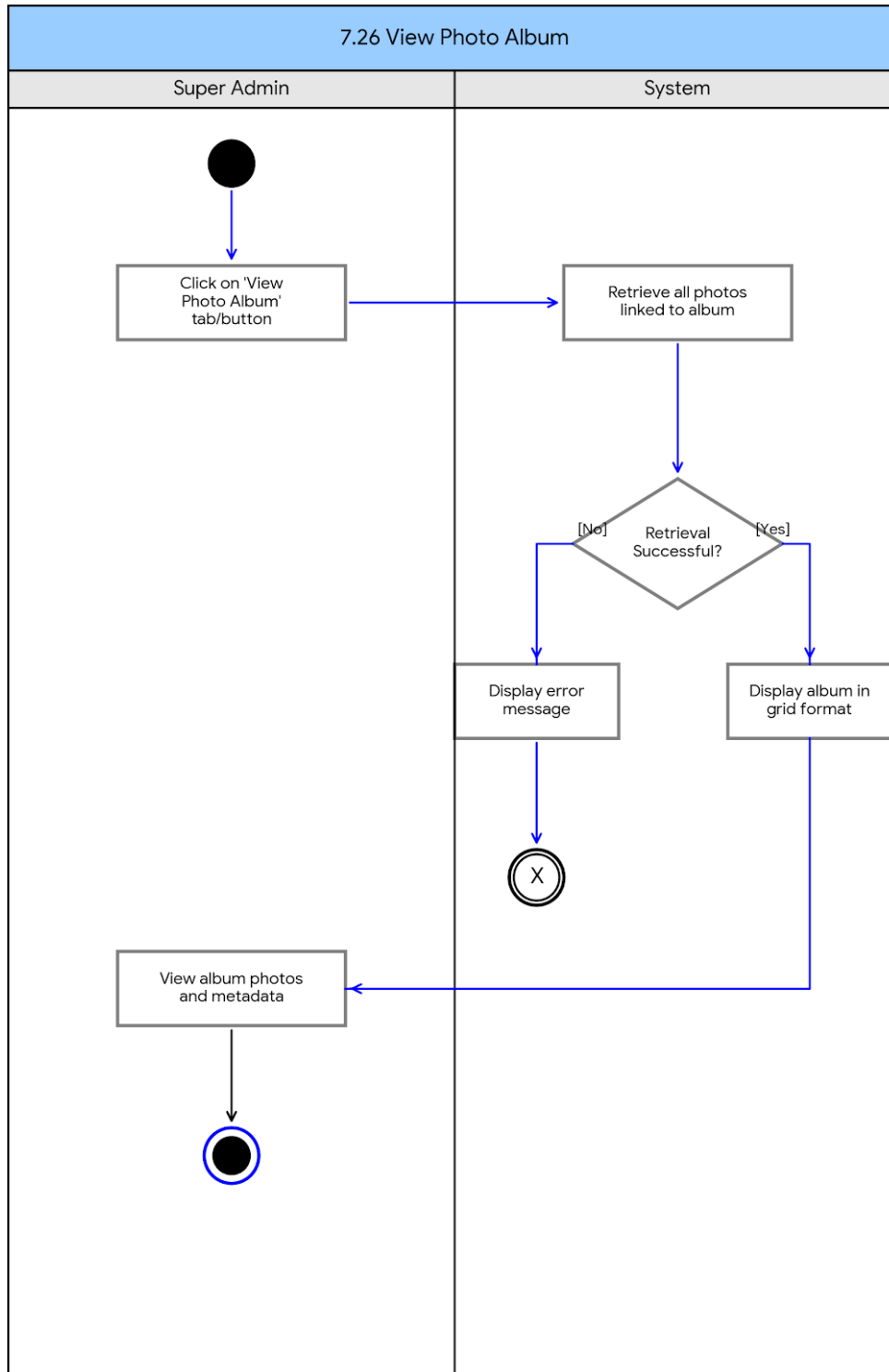


Figure 89: View Photo Album Activity Diagram

2.7.27 Update Photo Album

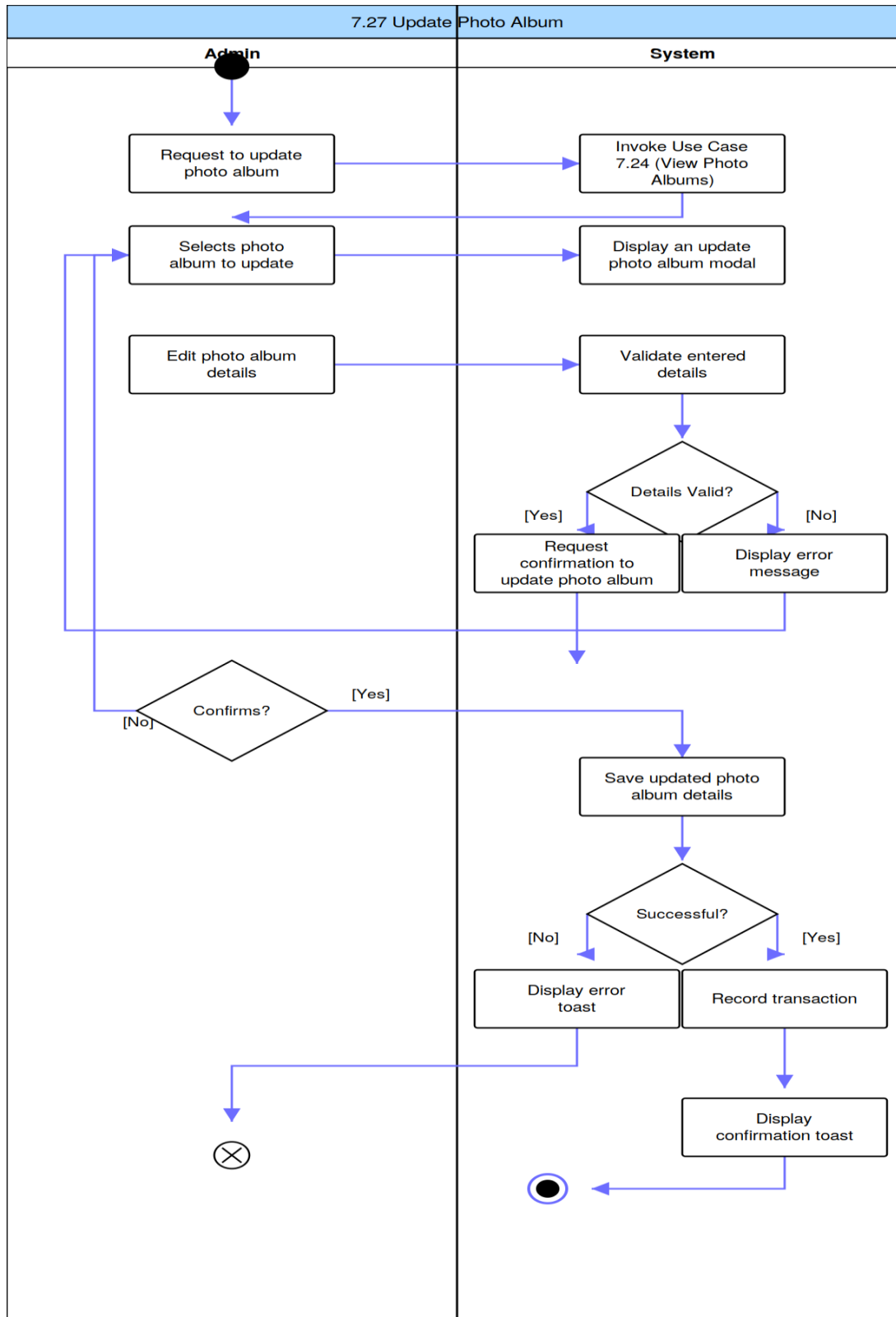


Figure 90: Update Photo Album Activity Diagram

2.7.28 Remove Photo Album

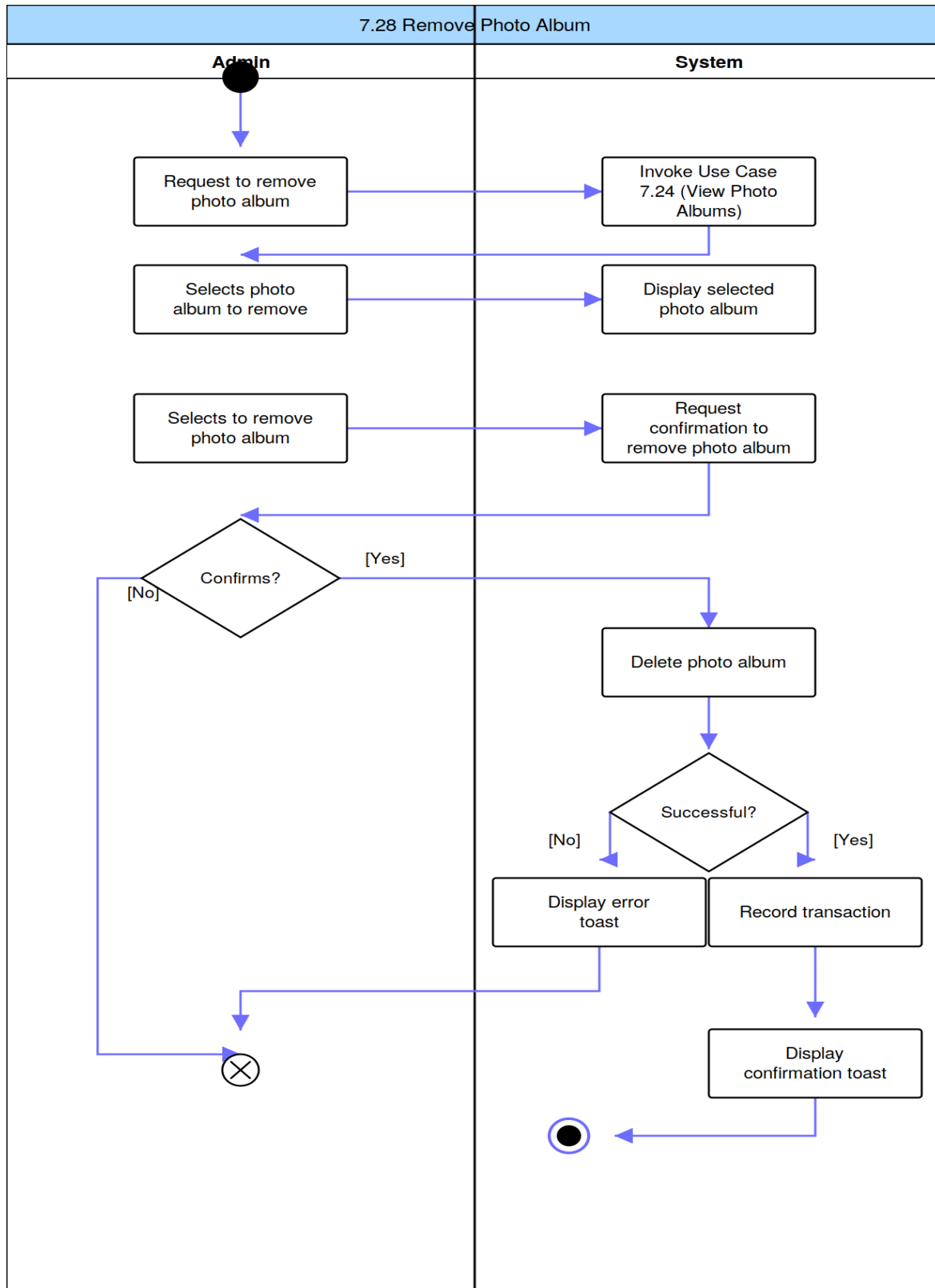


Figure 91: Remove Photo Album Activity Diagram

2.8 K9 Subsystem Activity Diagrams

2.8.1 Add Dog

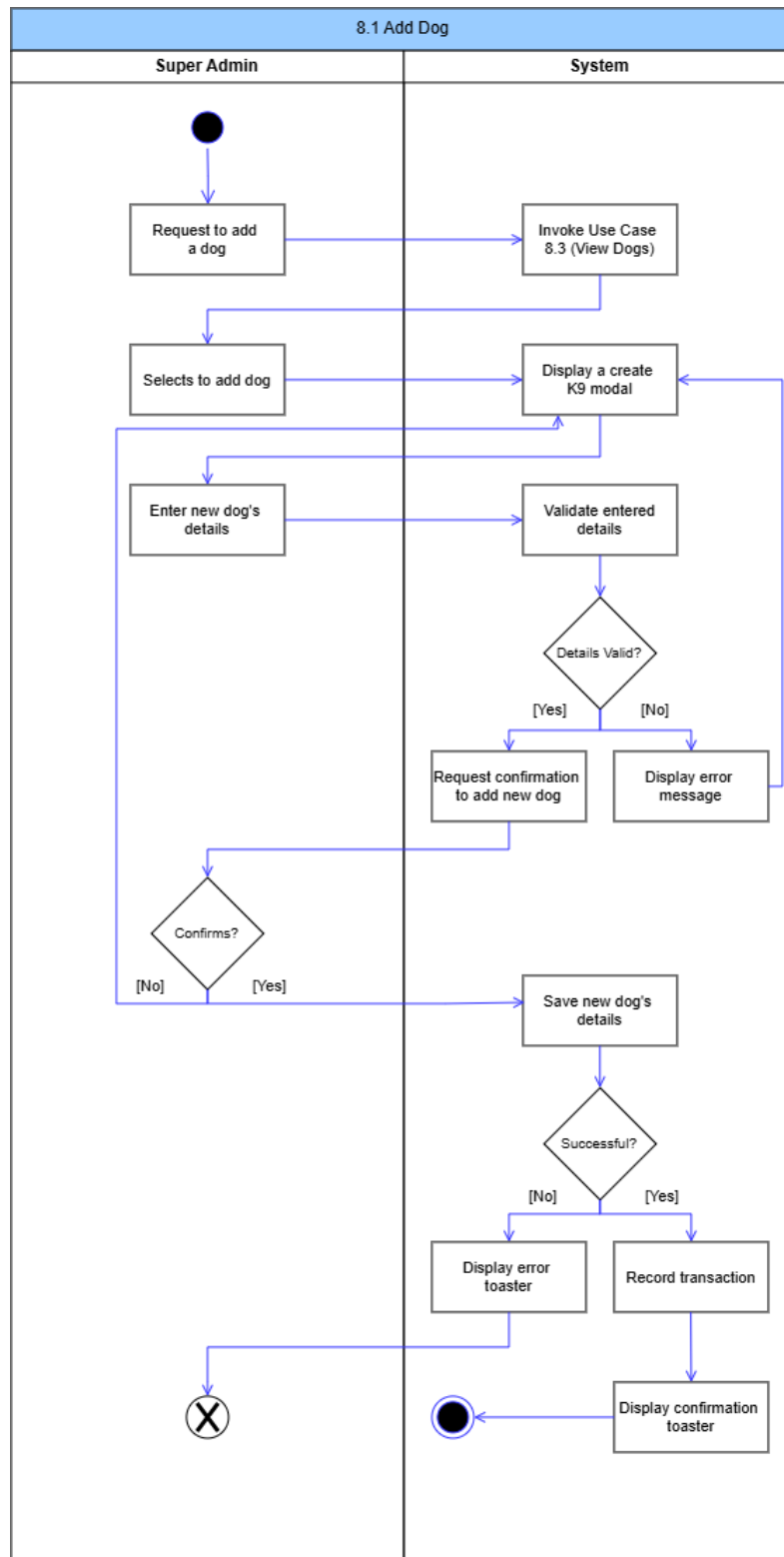


Figure 92: Add Dog Activity Diagram

2.8.2 View Dog

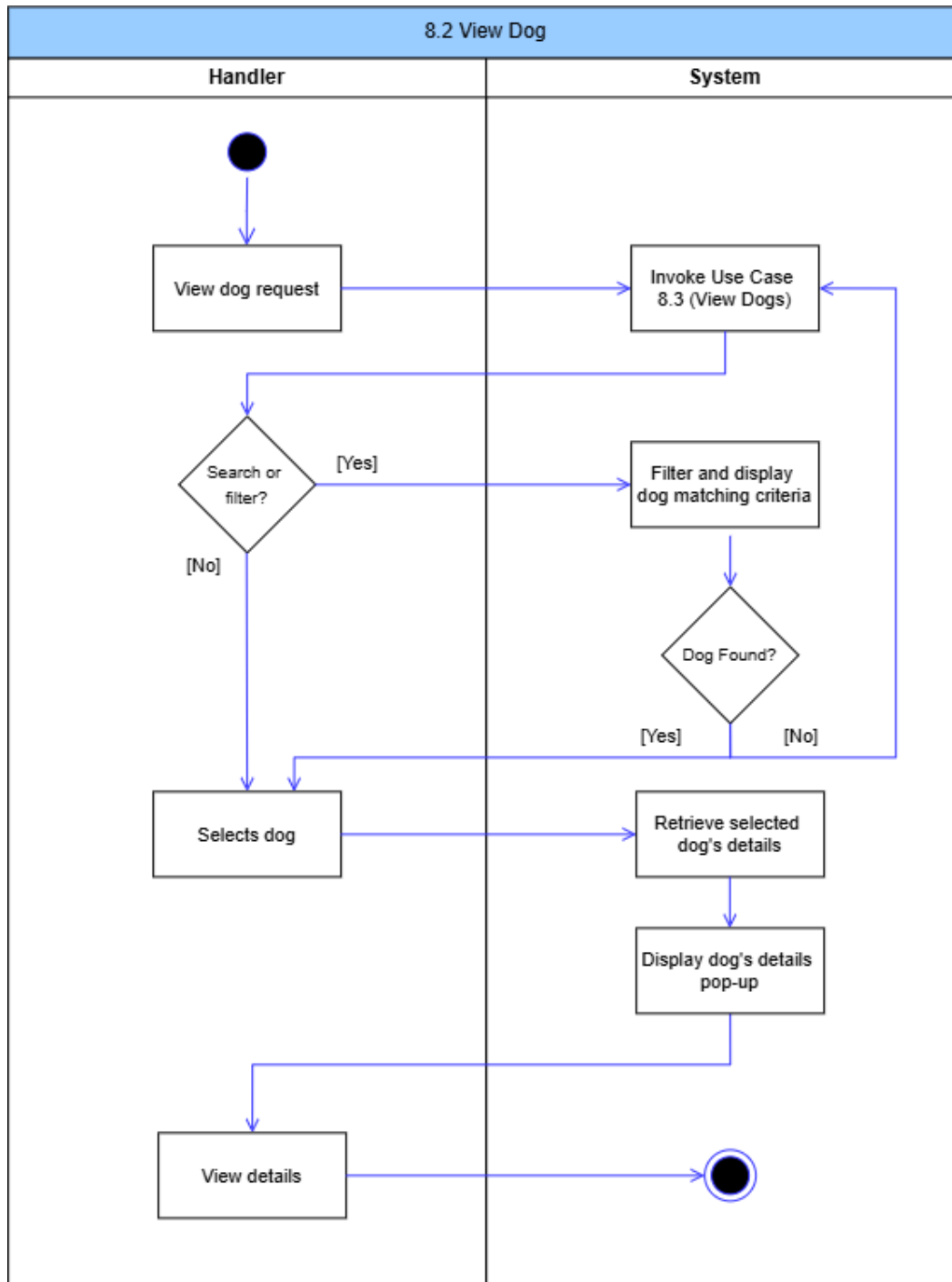


Figure 93: View Dog Activity Diagram

2.8.3 View Dogs

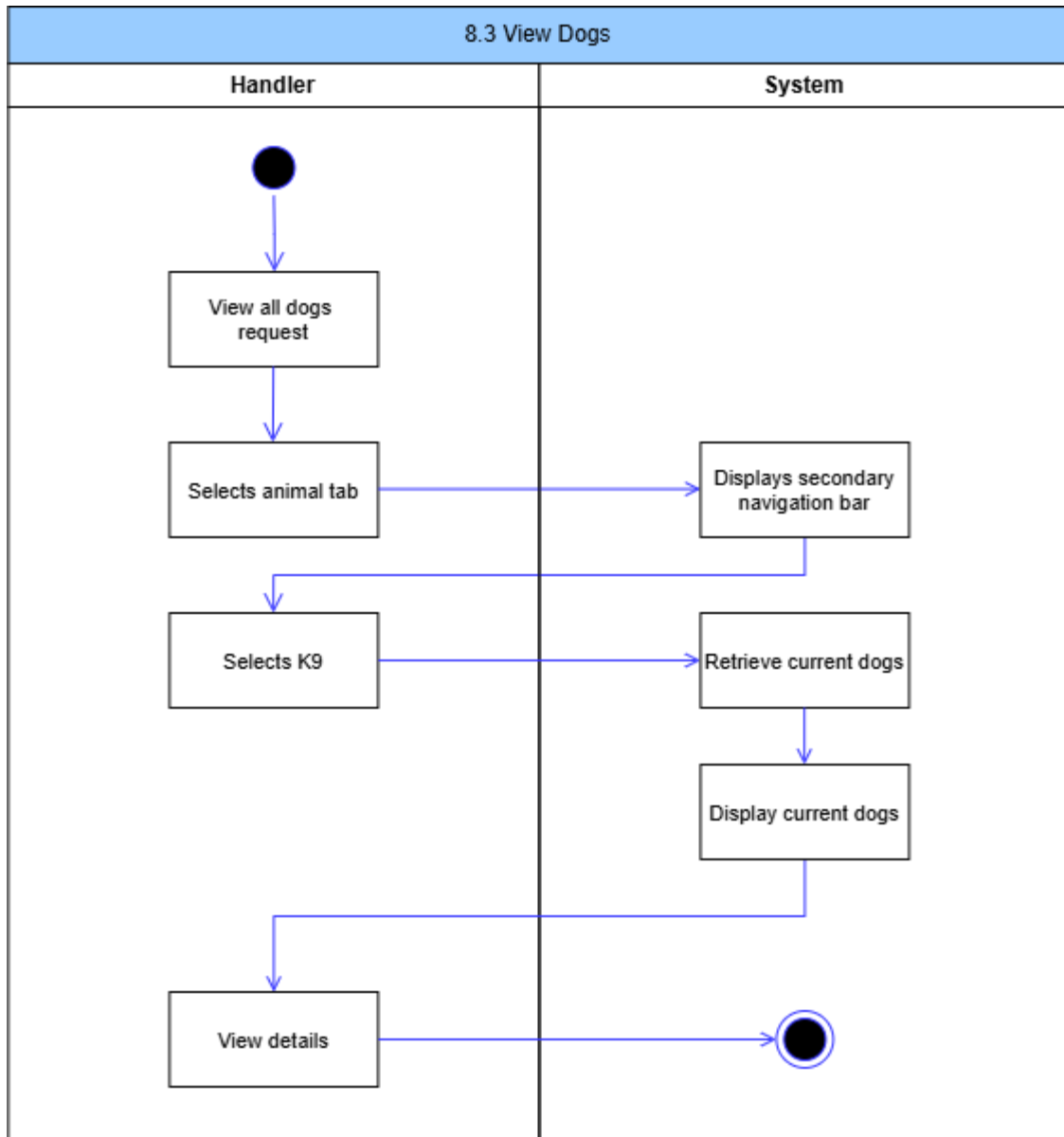


Figure 94: View Dogs Activity Diagram

2.8.4 Update Dog

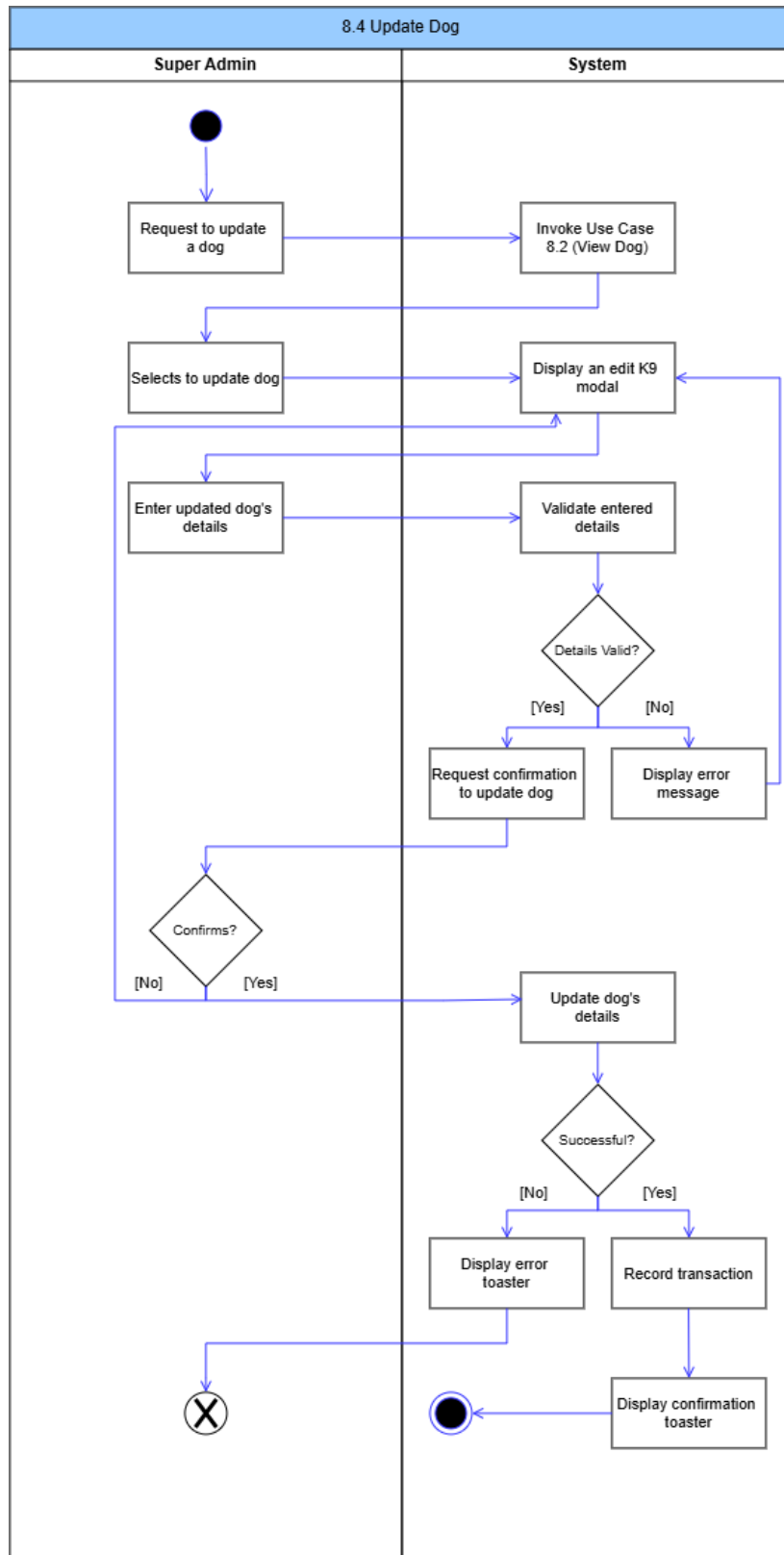


Figure 95: Update Dog Activity Diagram

2.8.5 Deactivate Dog

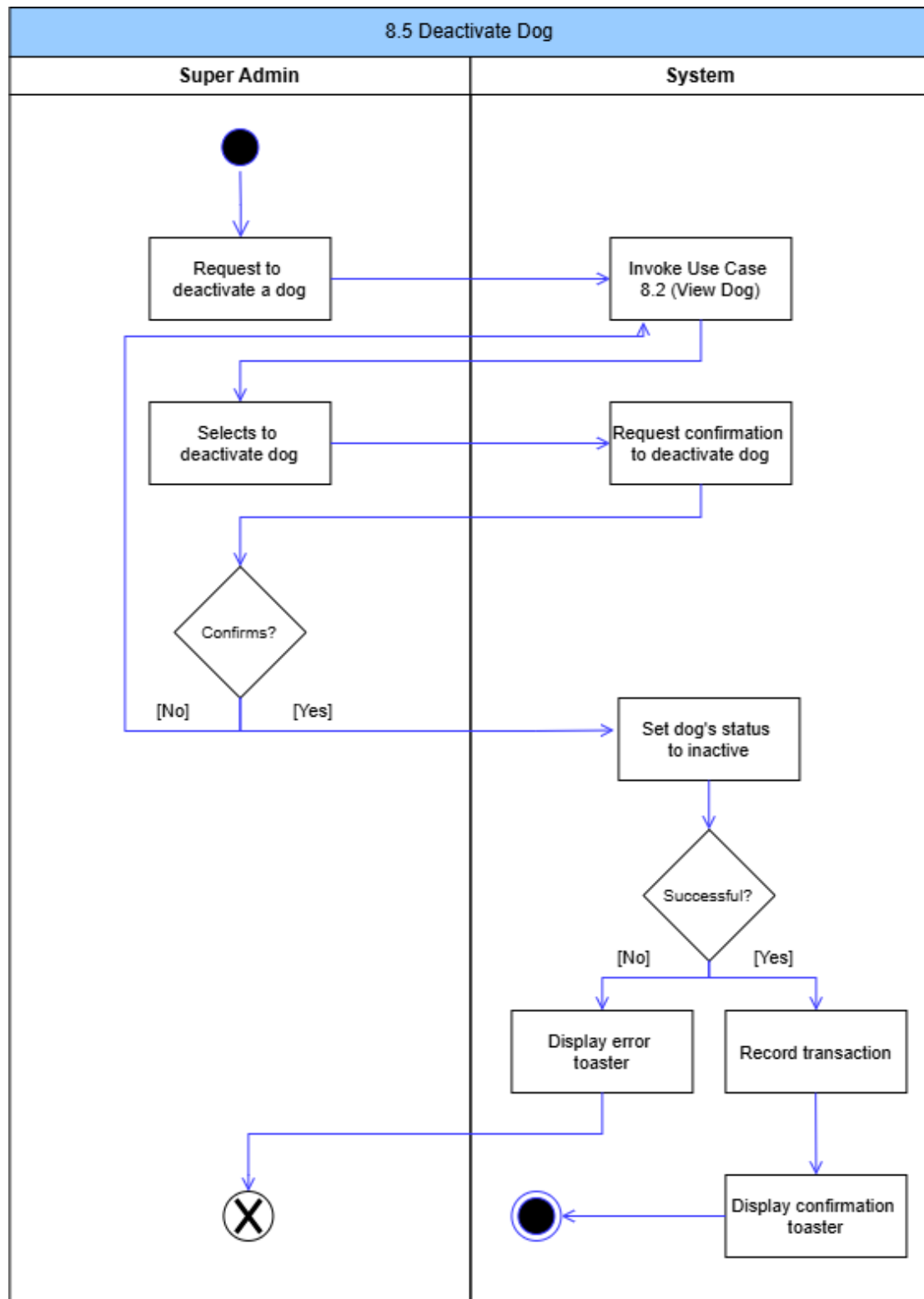


Figure 97: Deactivate Dog Activity Diagram

2.8.6 Assign User to Dog

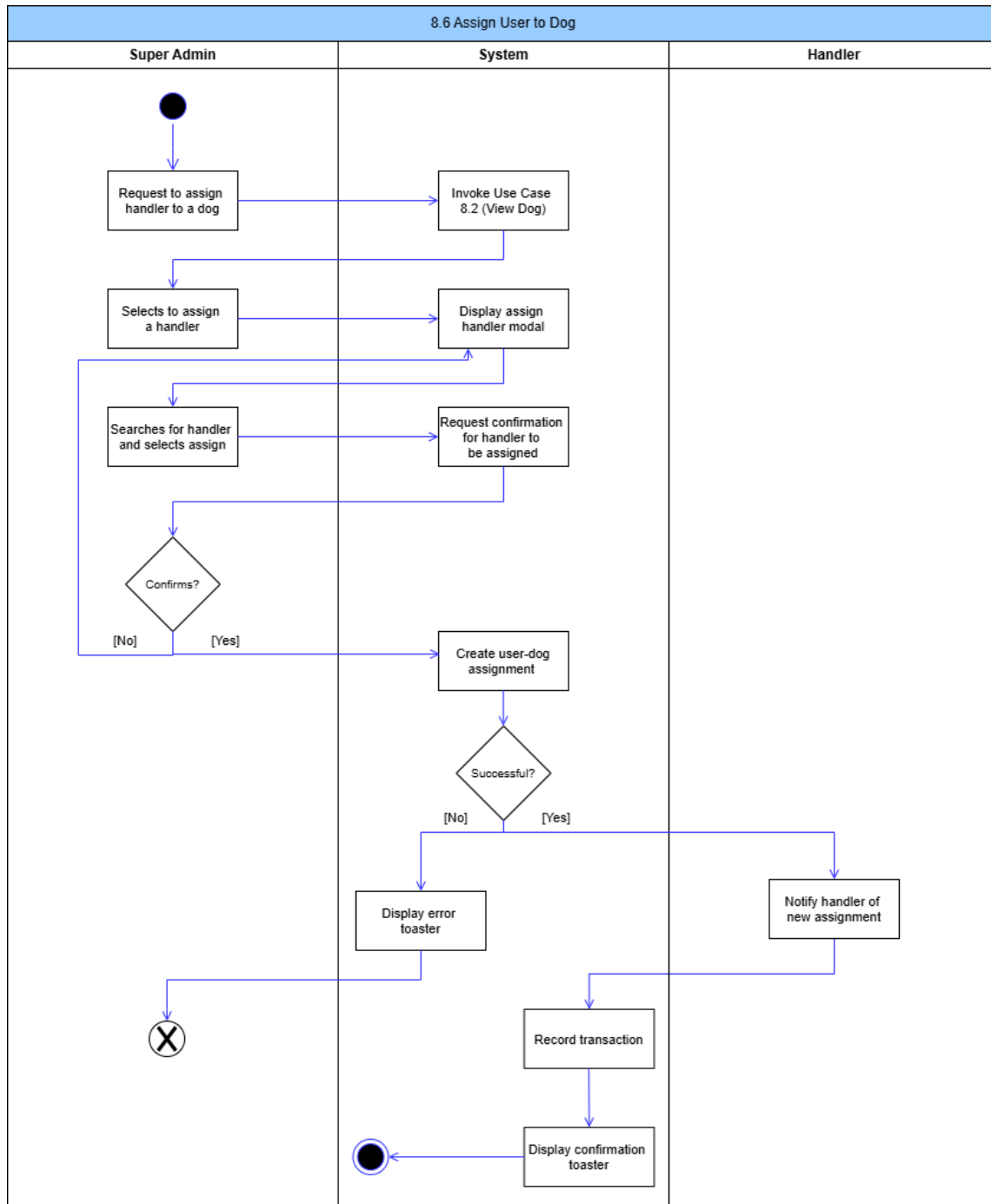


Figure 98: Assign User to Dog Activity Diagram

2.8.7 View User-Dog Assignment

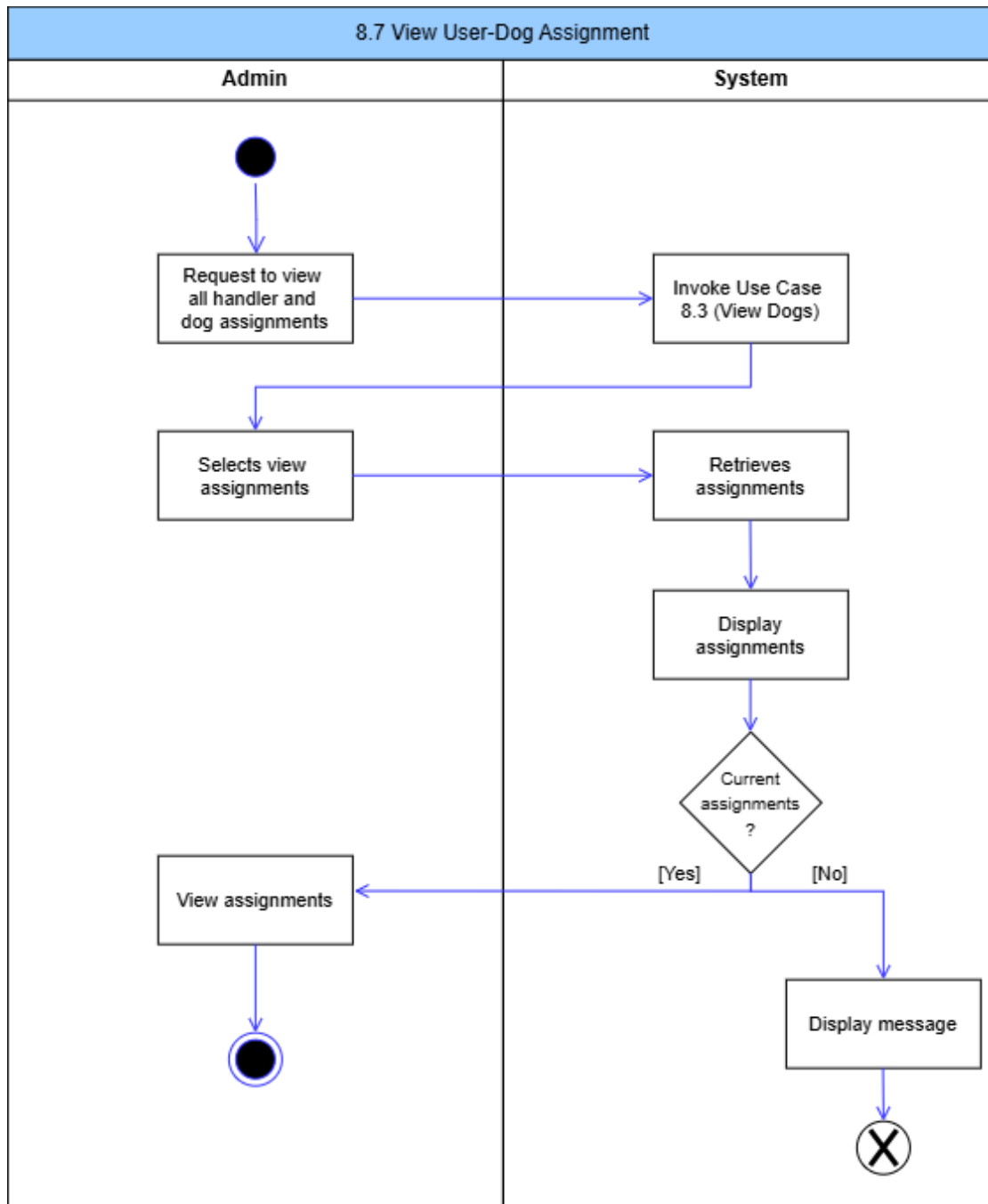


Figure 99: View User-Dog Assignment Activity Diagram

2.8.8 Update User-Dog Assignment

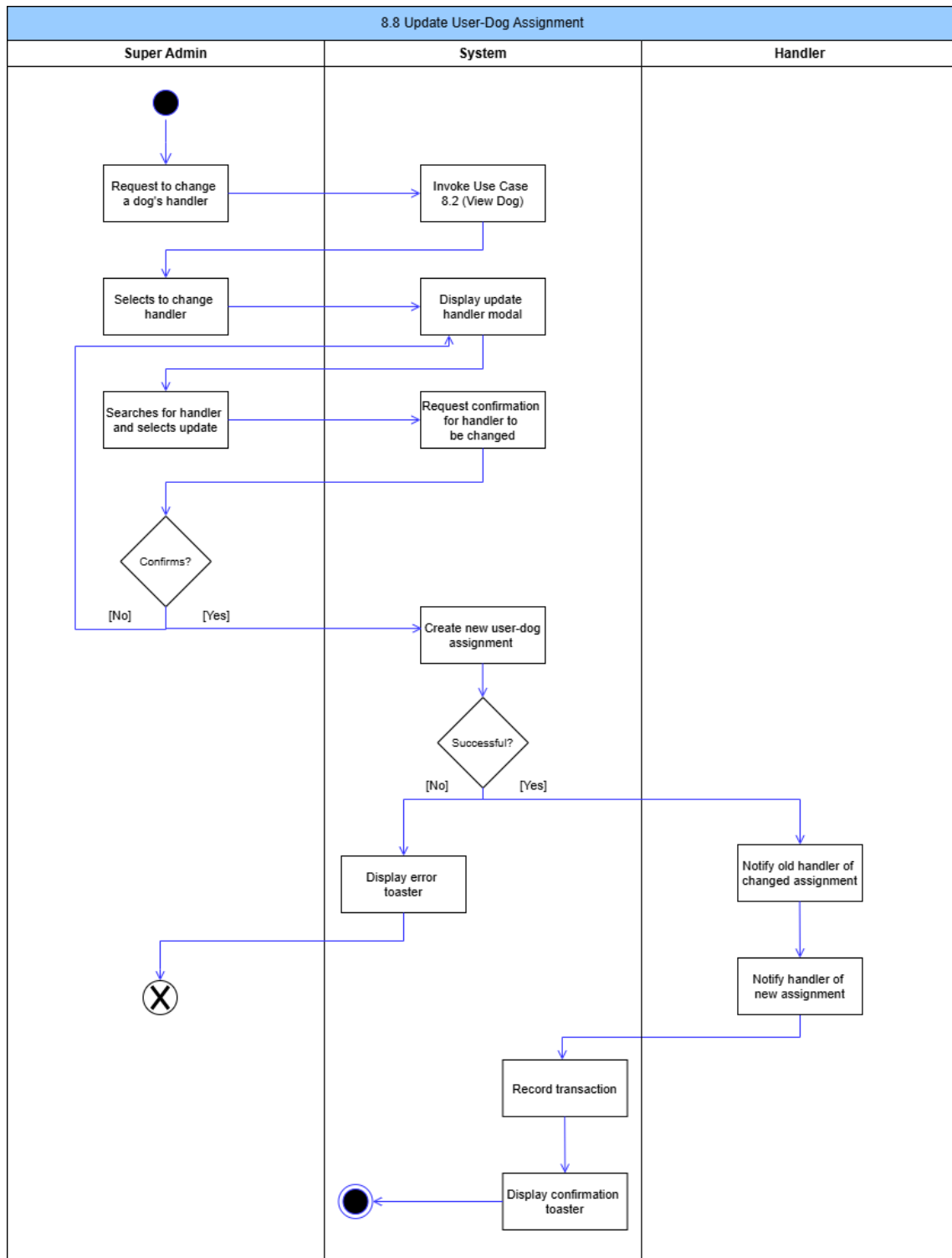


Figure 100: Update User-Dog Assignment Activity Diagram

2.8.9 Reactivate User-Dog Assignment

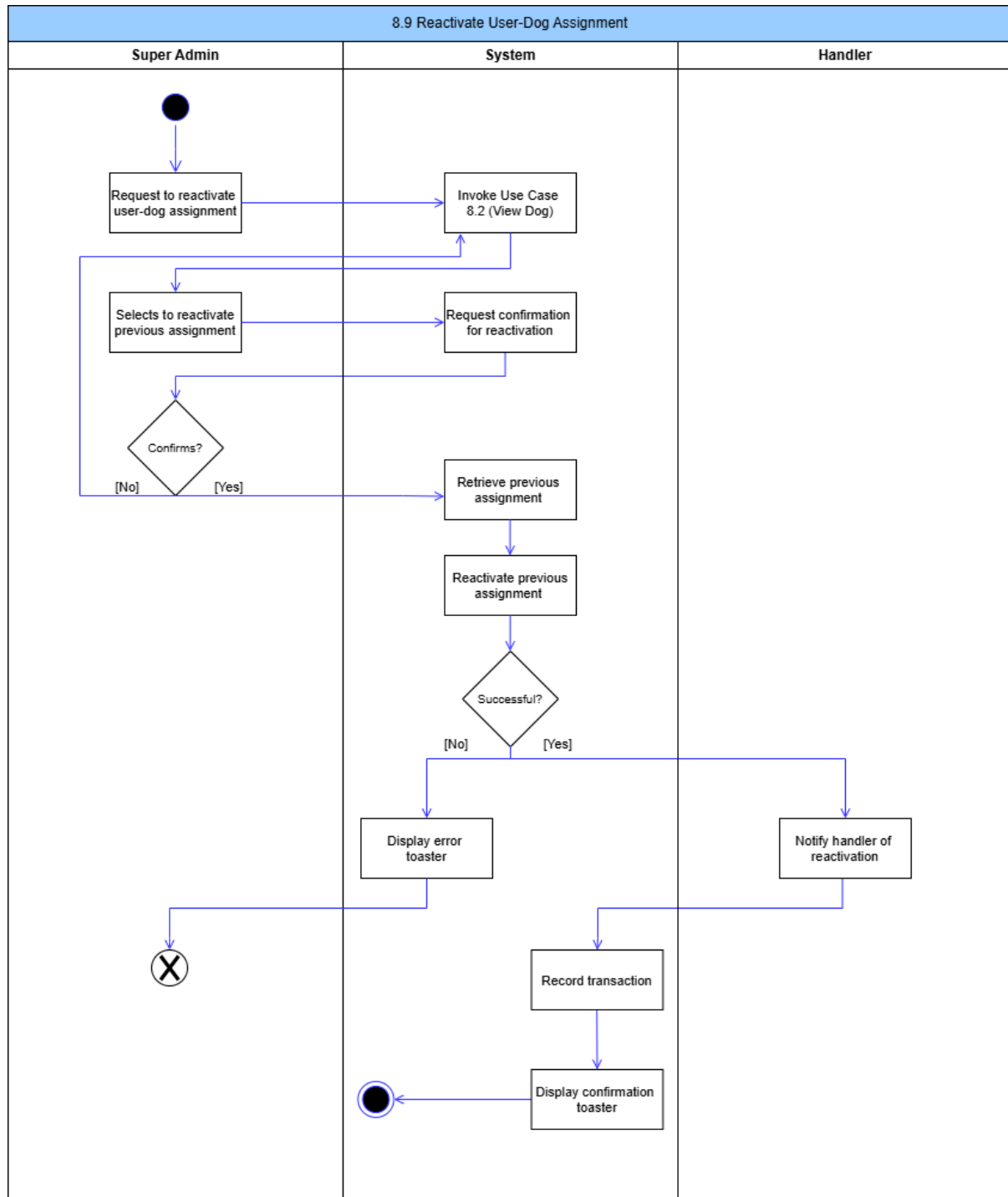


Figure 101: Reactivate User-Dog Assignment Activity Diagram

2.8.10 Deactivate User-Dog Assignment

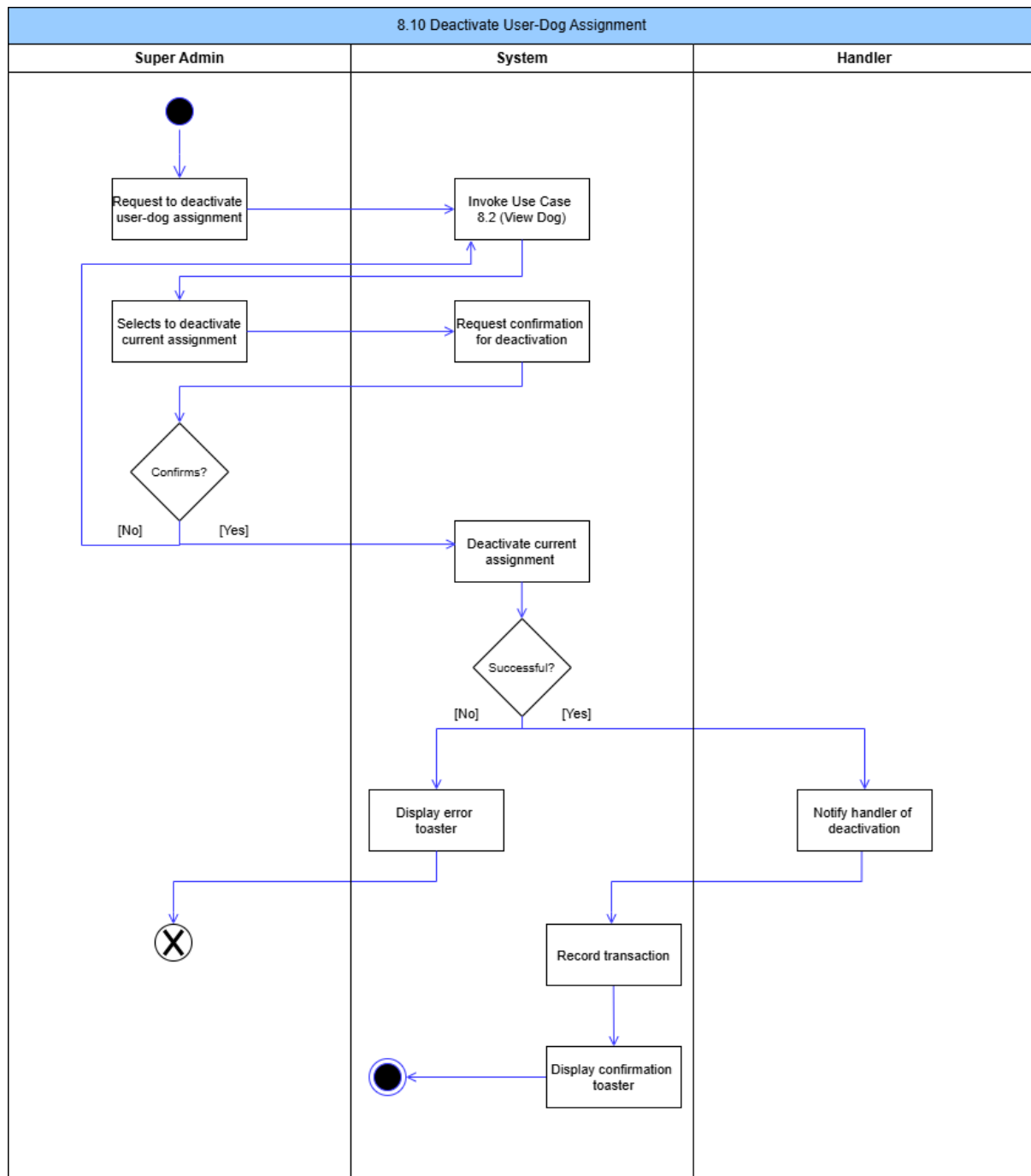


Figure 102: Deactivate User-Dog Assignment Activity Diagram

2.8.11 Add K9 Role

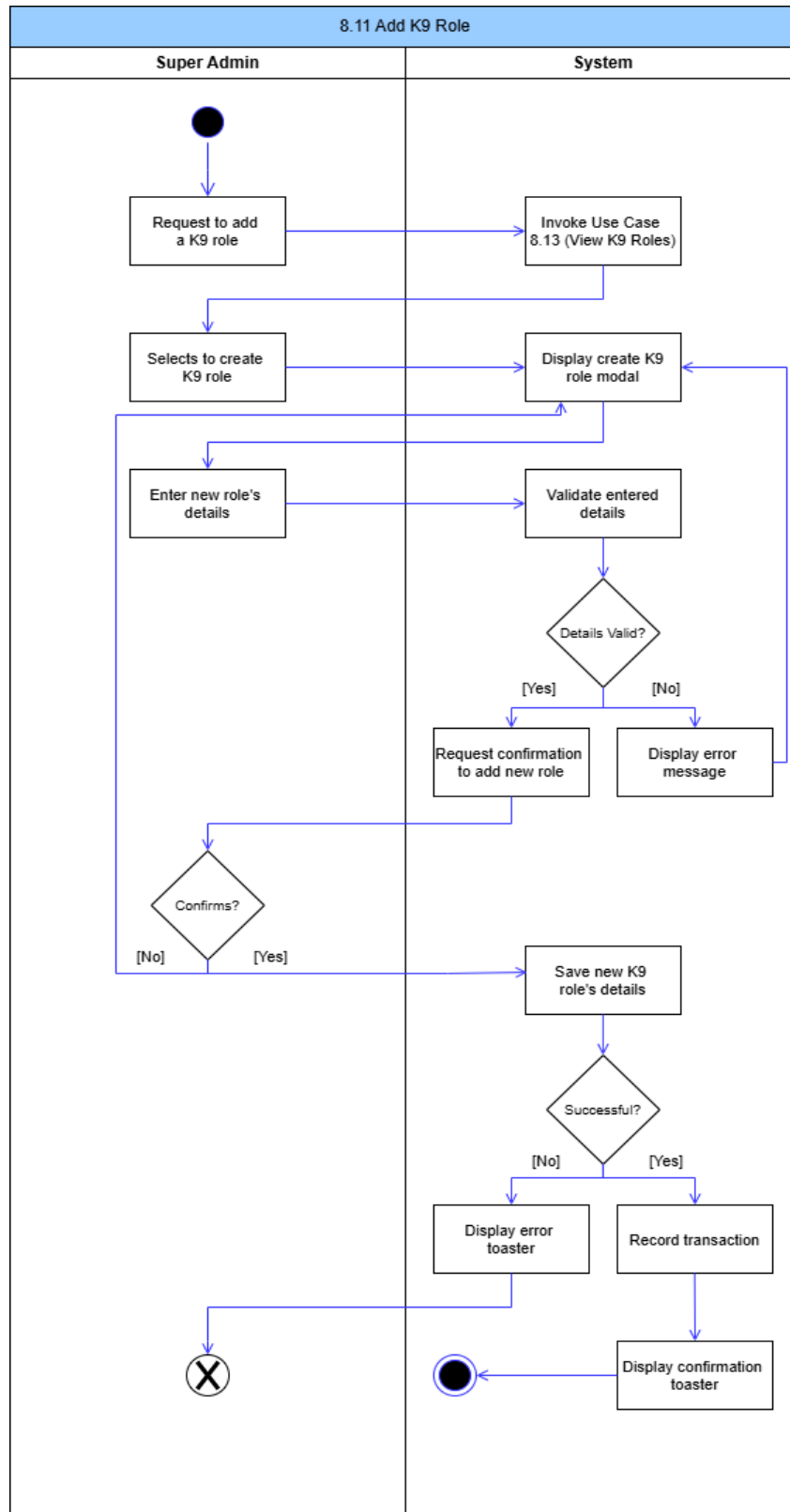


Figure 103: Add K9 Role Activity Diagram

2.8.12 Update K9 Role

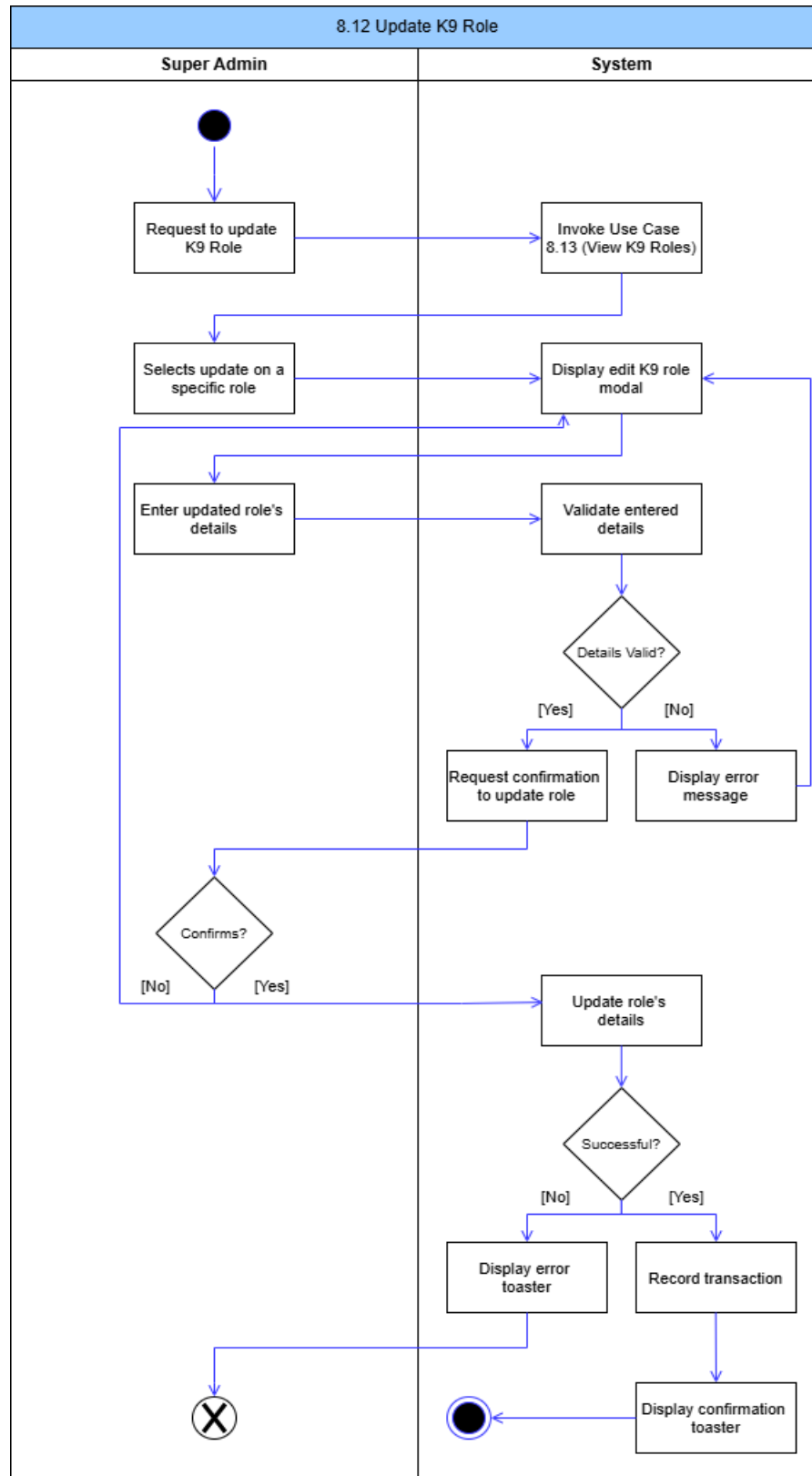


Figure 104: Update K9 Role Activity Diagram

2.8.13 View K9 Role

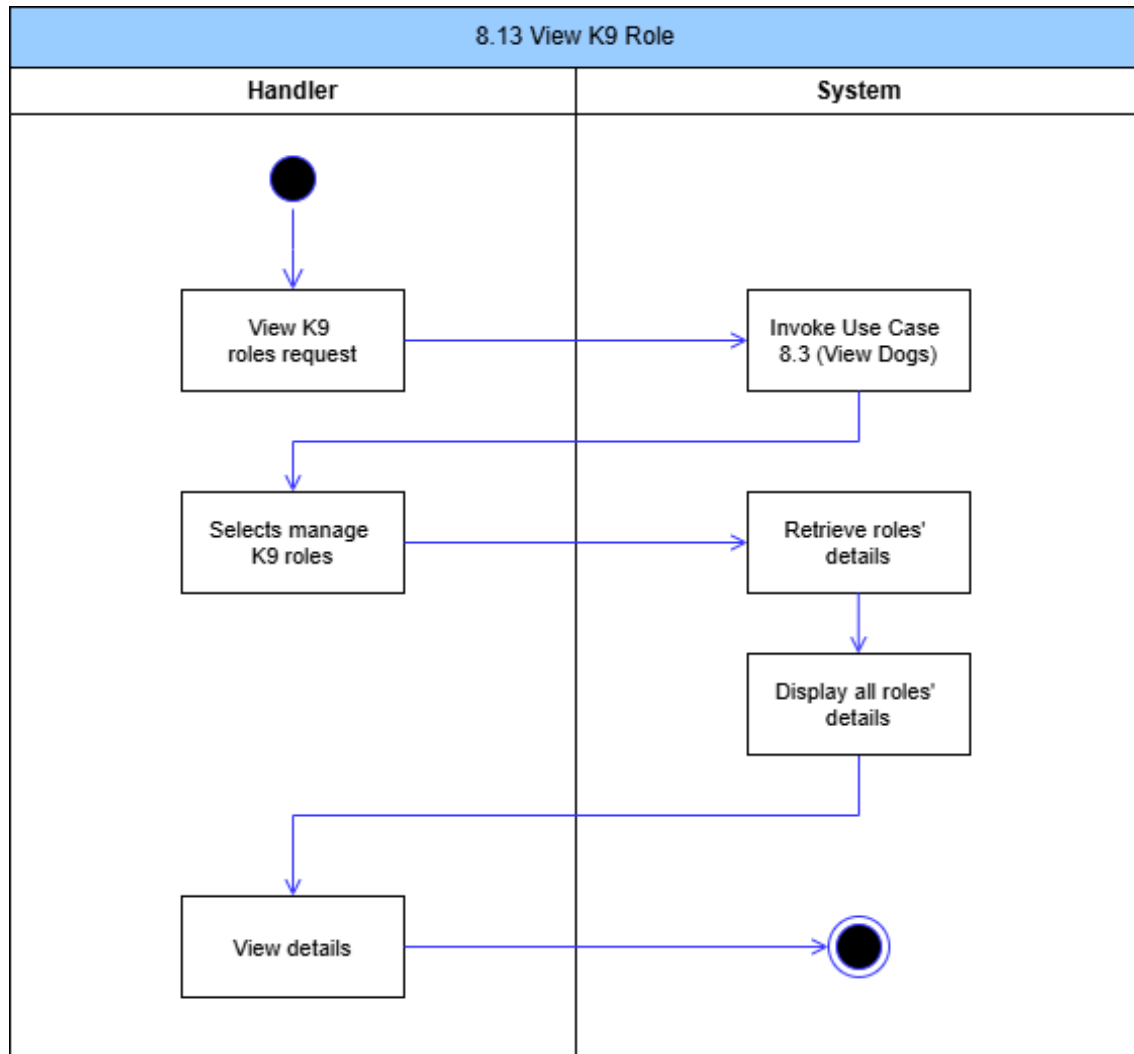


Figure 105: View K9 Role Activity Diagram

2.8.14 Reactivate K9 Role

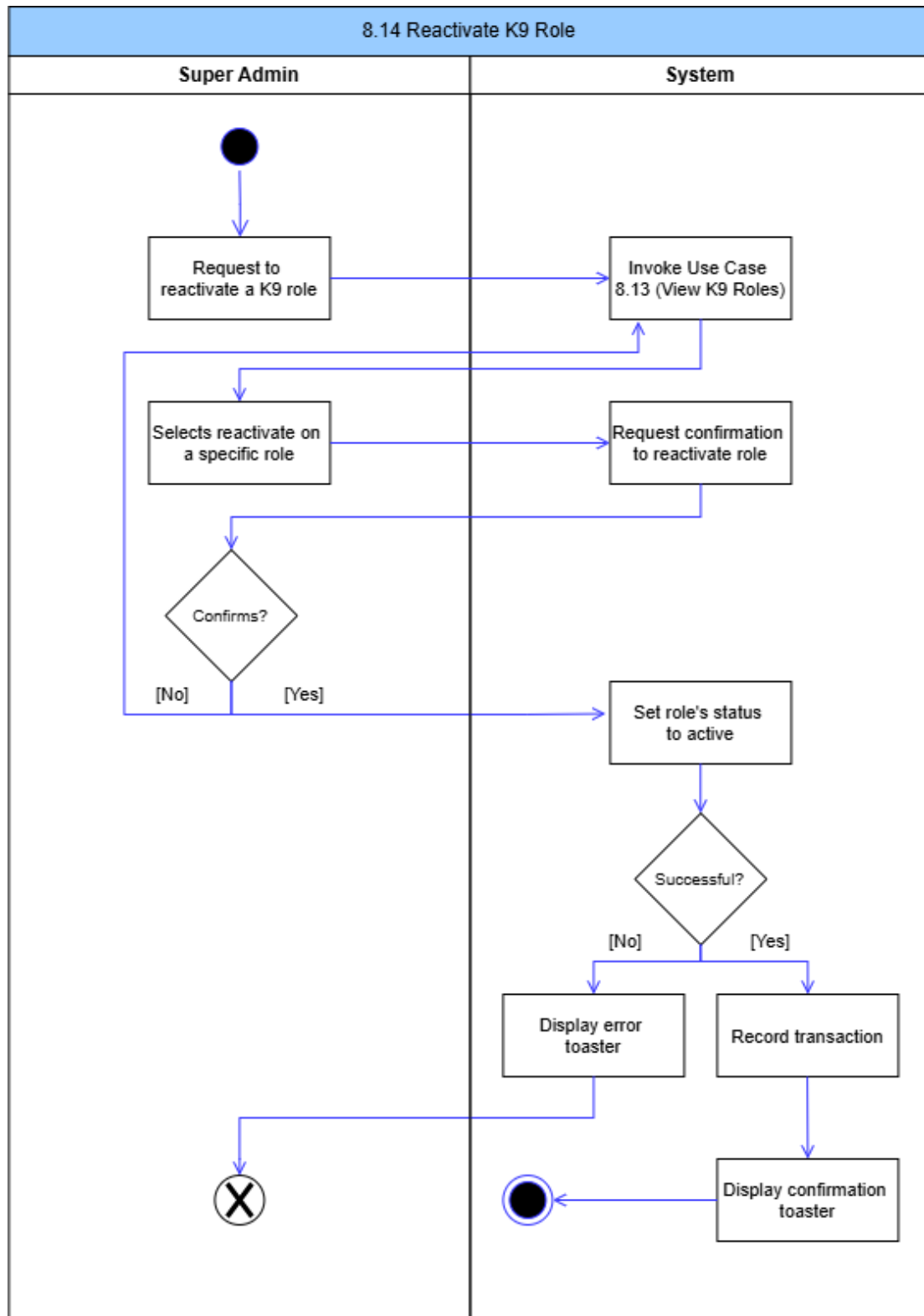


Figure 106: Reactivate K9 Role Activity Diagram

2.8.15 Deactivate K9 Role

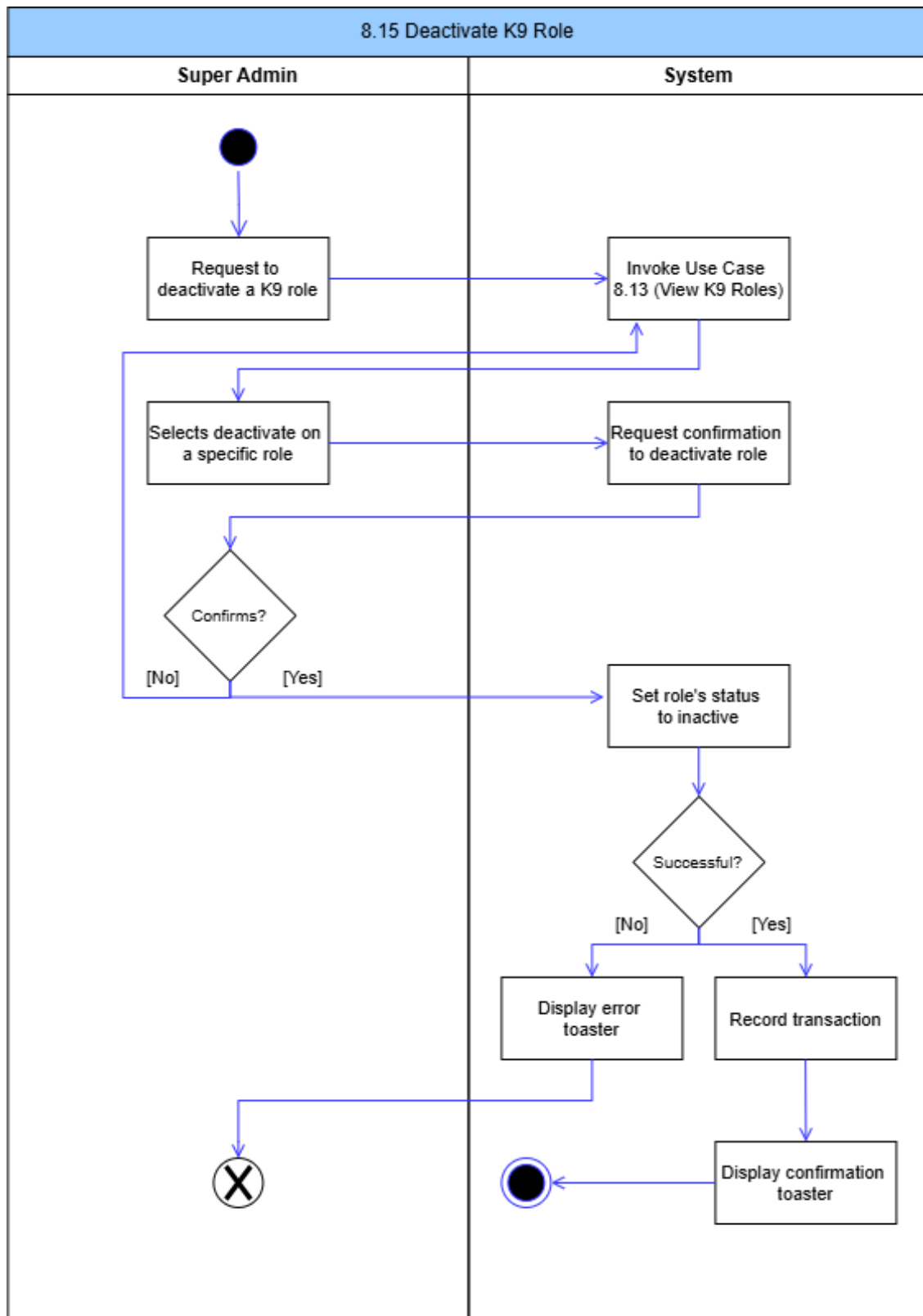


Figure 107: Deactivate K9 Role Activity Diagram

2.8.16 View K9 Ancestry

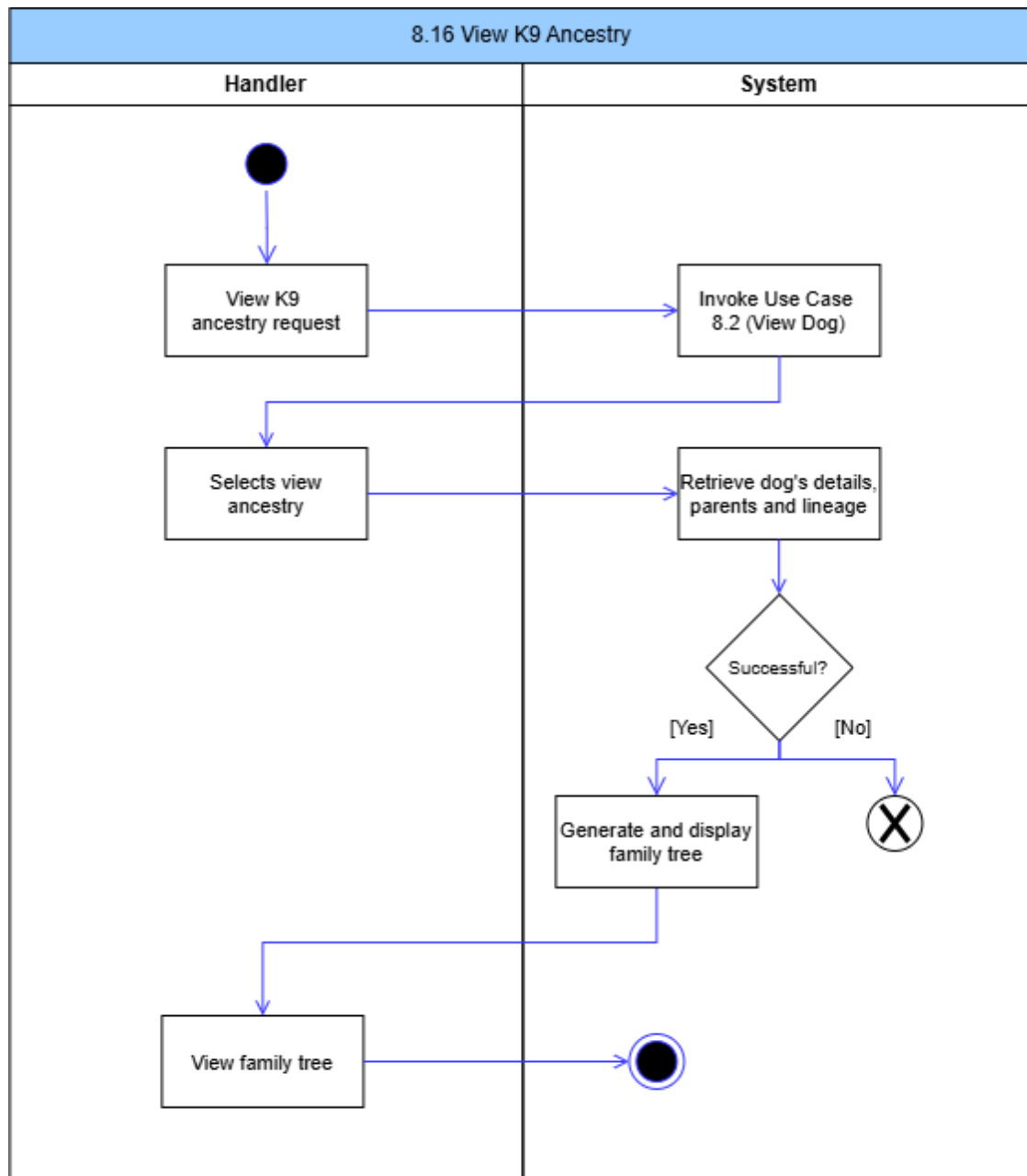


Figure 108: View K9 Ancestry Activity Diagram

2.9 Rhino Subsystem Activity Diagrams

2.9.1 Add Rhino

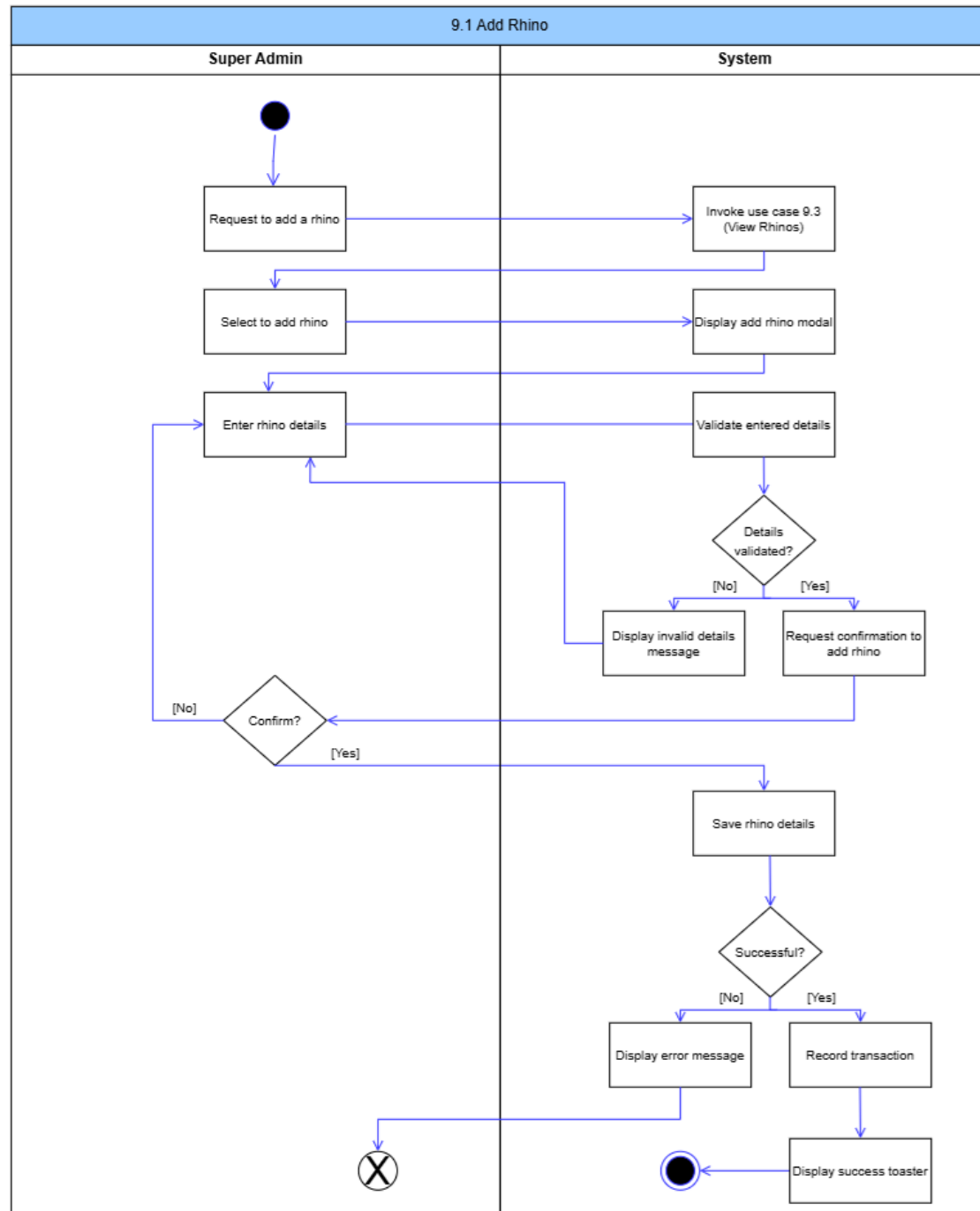


Figure 109: Add Rhino Activity Diagram

2.9.2 View Rhino

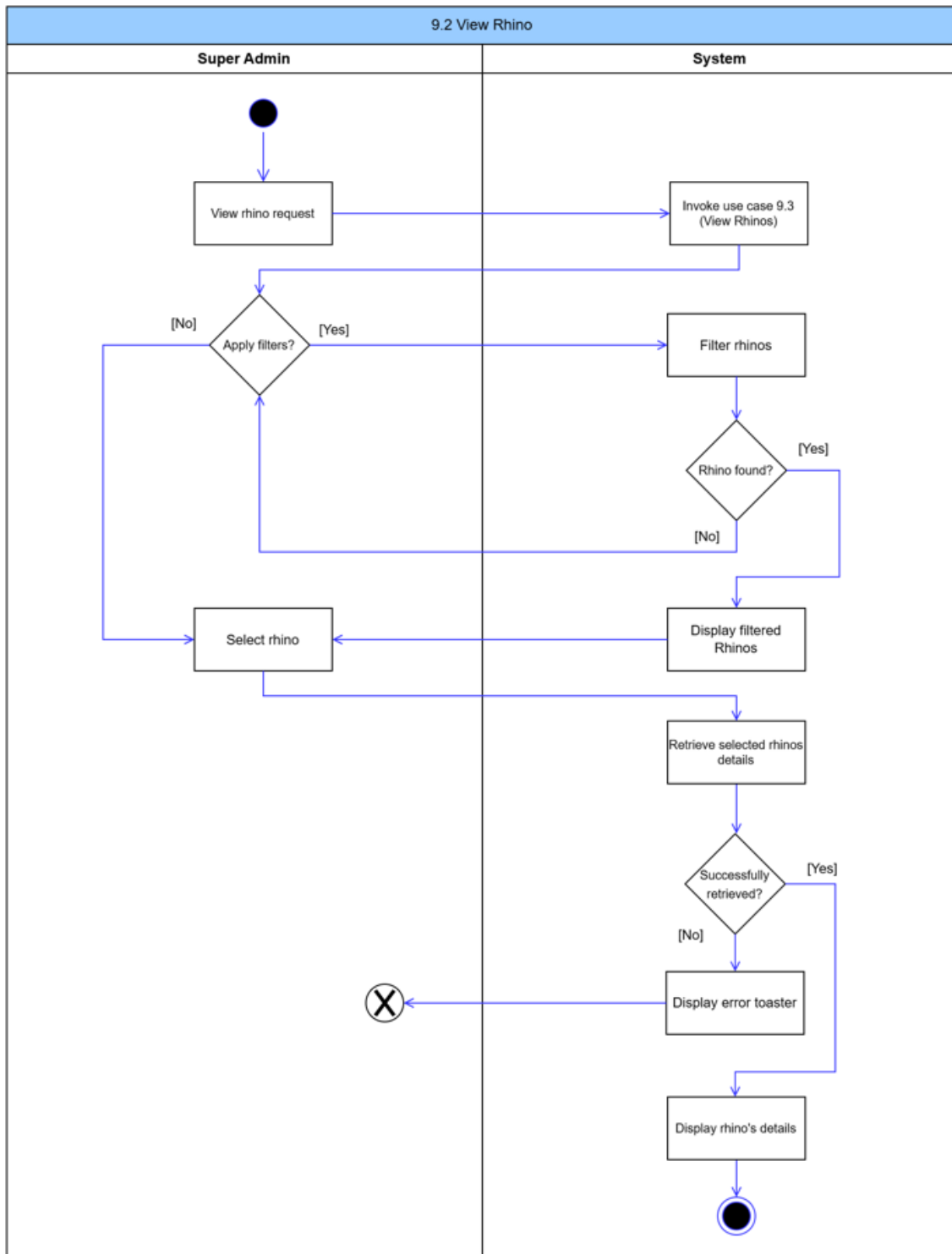


Figure 110: View Rhino Activity Diagram

2.9.3 View Rhinos

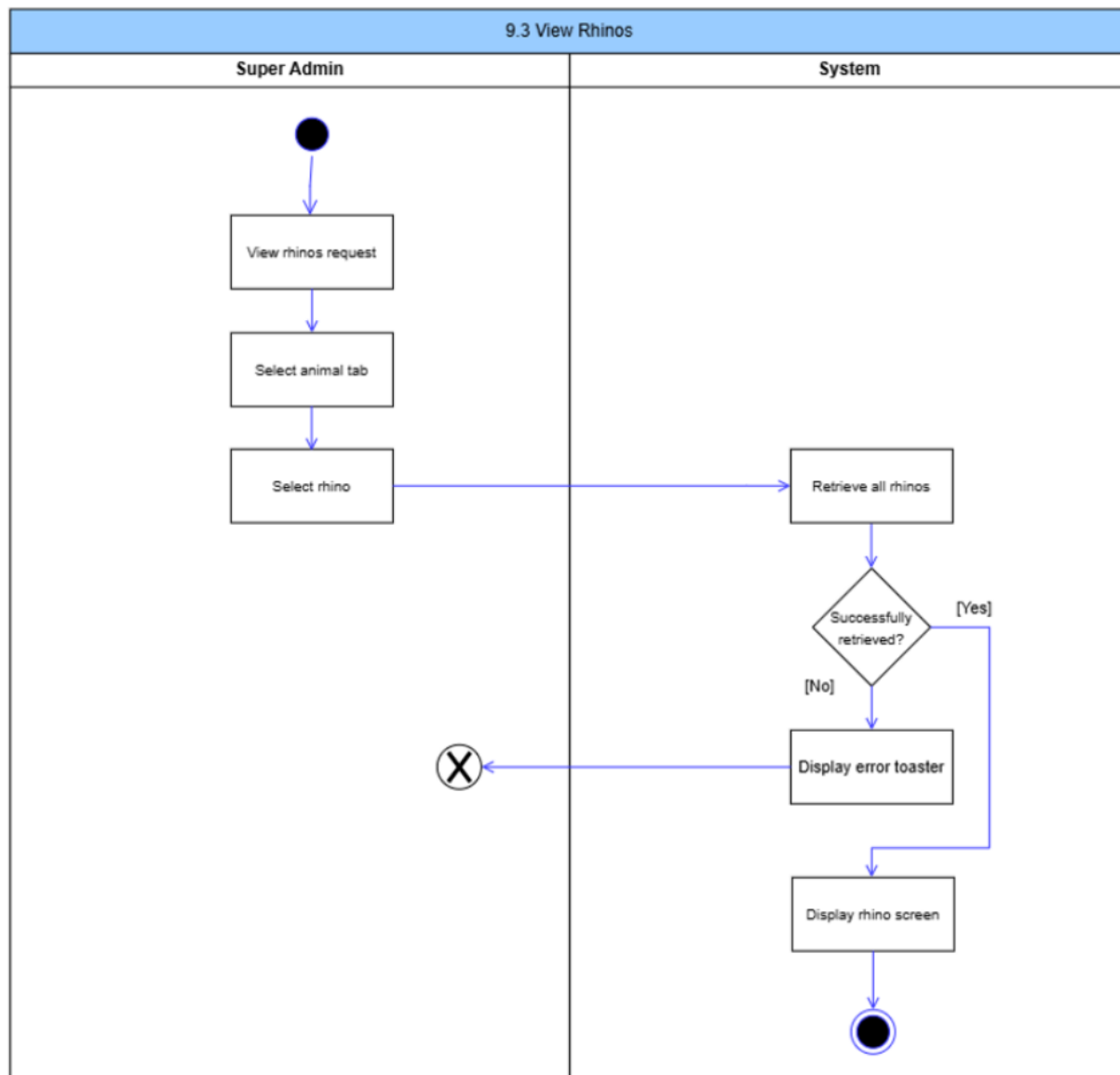


Figure 111: View Rhinos Activity Diagram

2.9.4 Update Rhino

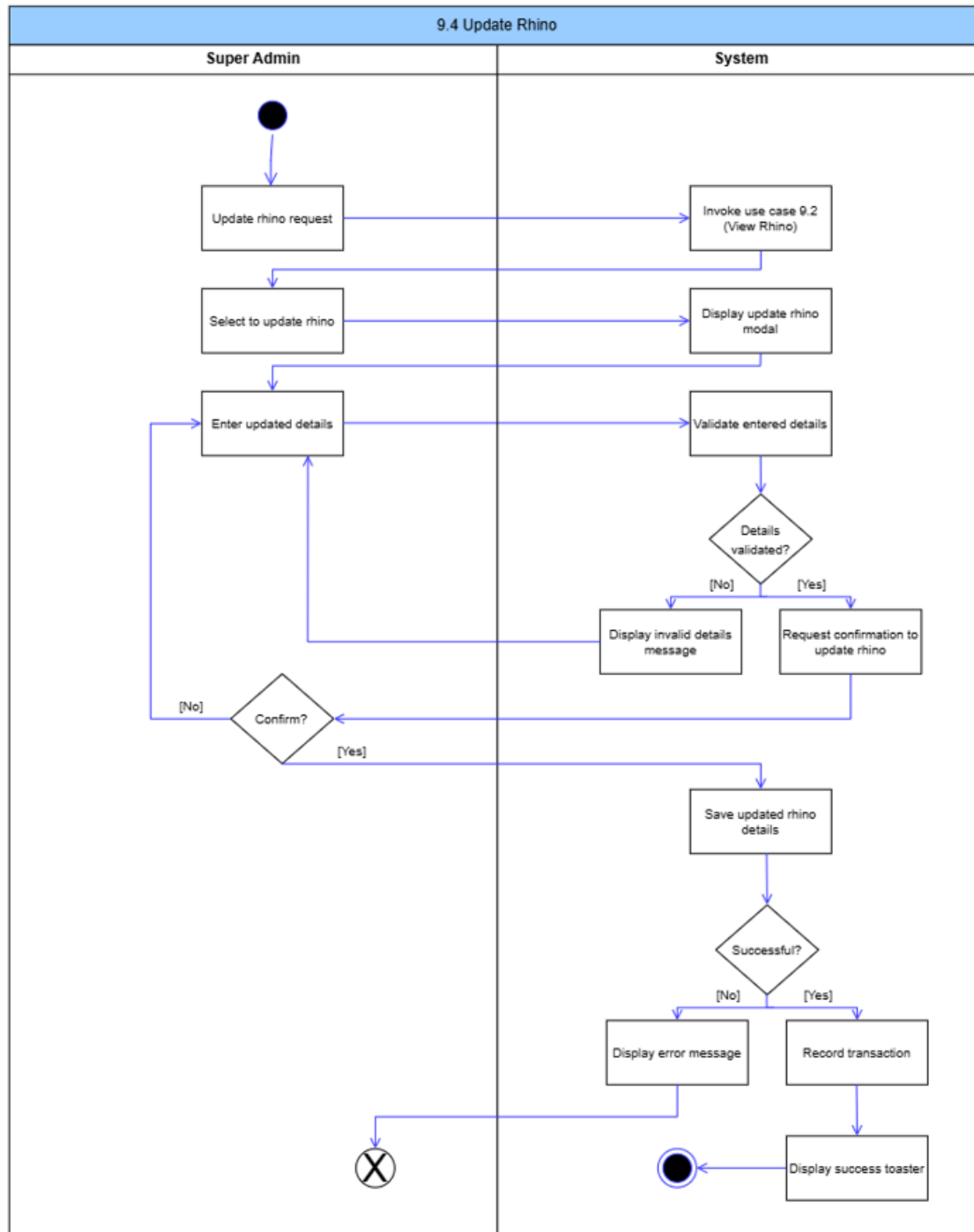


Figure 112: Update Rhino Activity Diagram

2.9.5 Deactivate Rhino

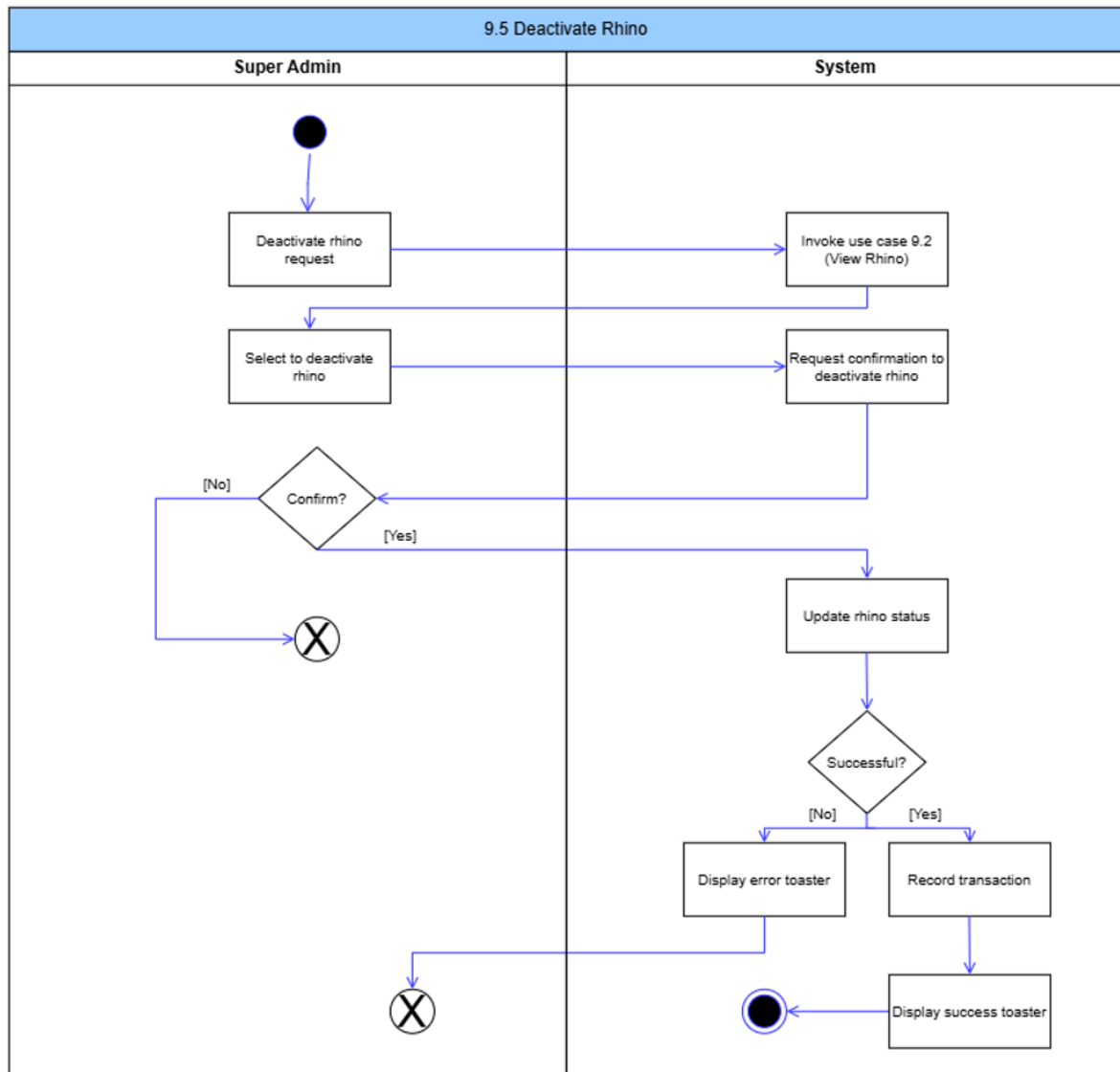


Figure 113: Deactivate Rhino Activity Diagram

2.10 Elephant Subsystem Activity Diagrams

2.10.1 Add Elephant

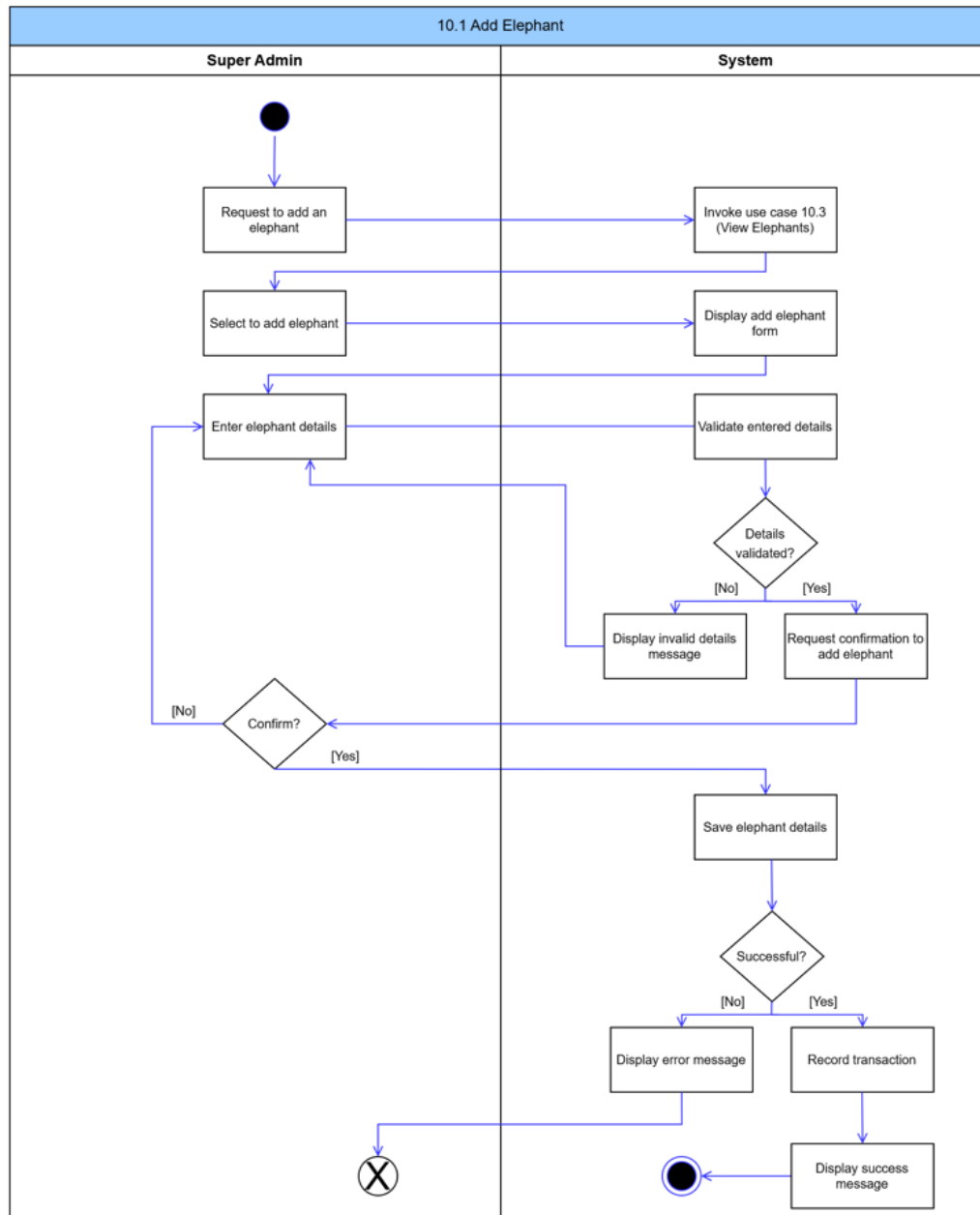


Figure 114: Add Elephant Activity Diagram

2.10.2 View Elephant

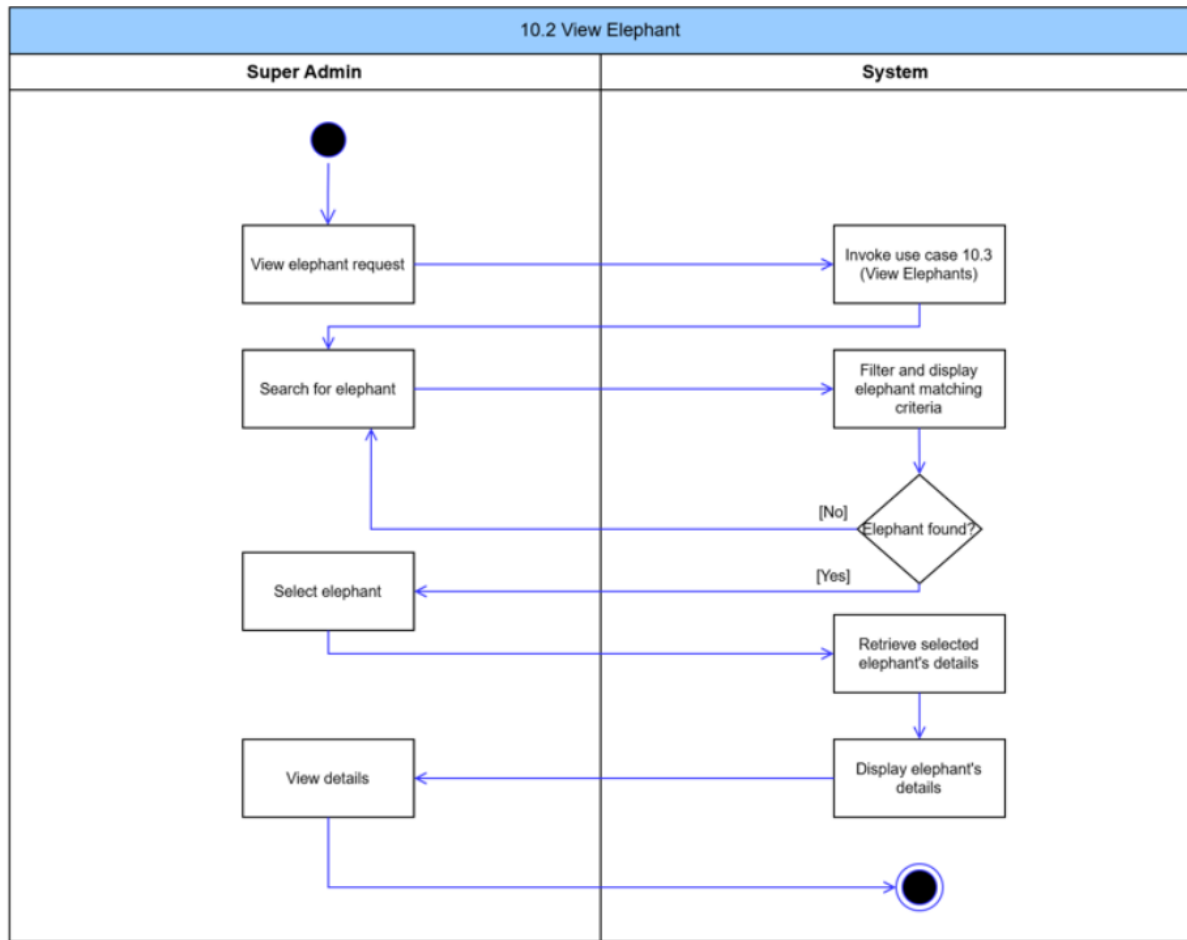


Figure 115: View Elephant Activity Diagram

2.10.3 View Elephants

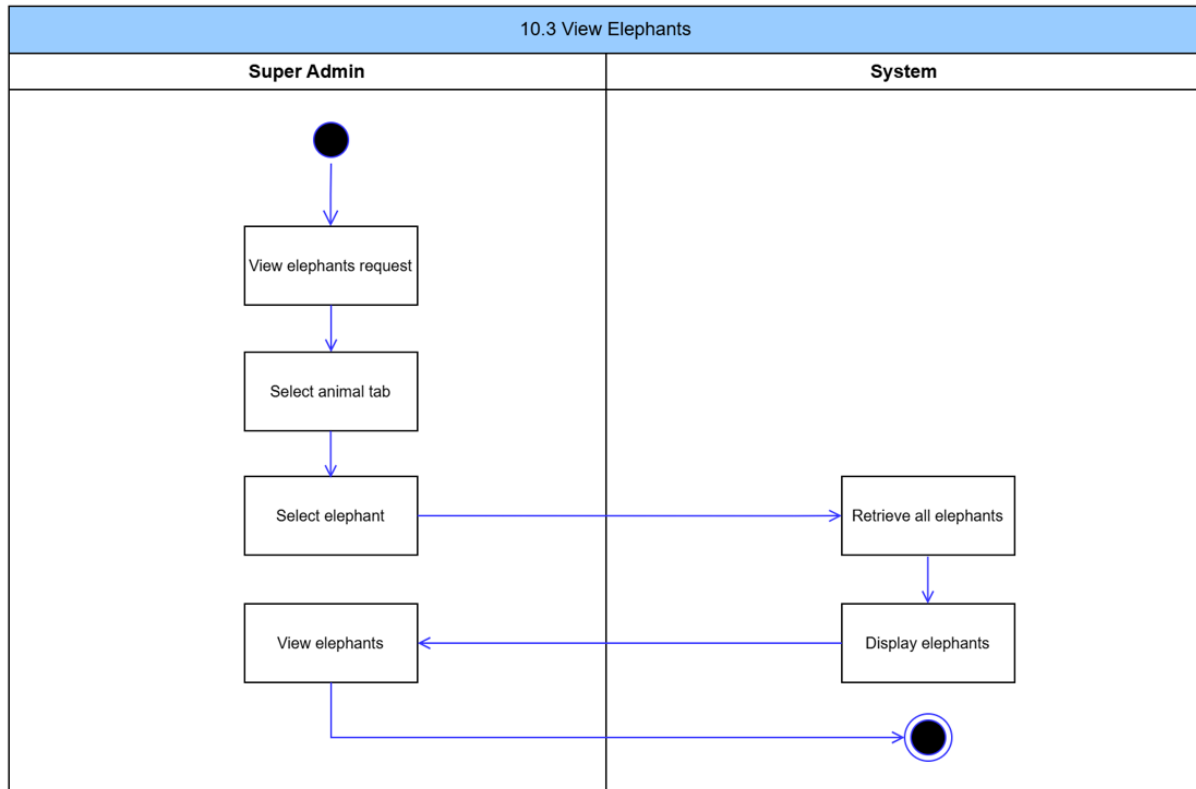


Figure 116: View Elephants Activity Diagram

2.10.4 Update Elephant

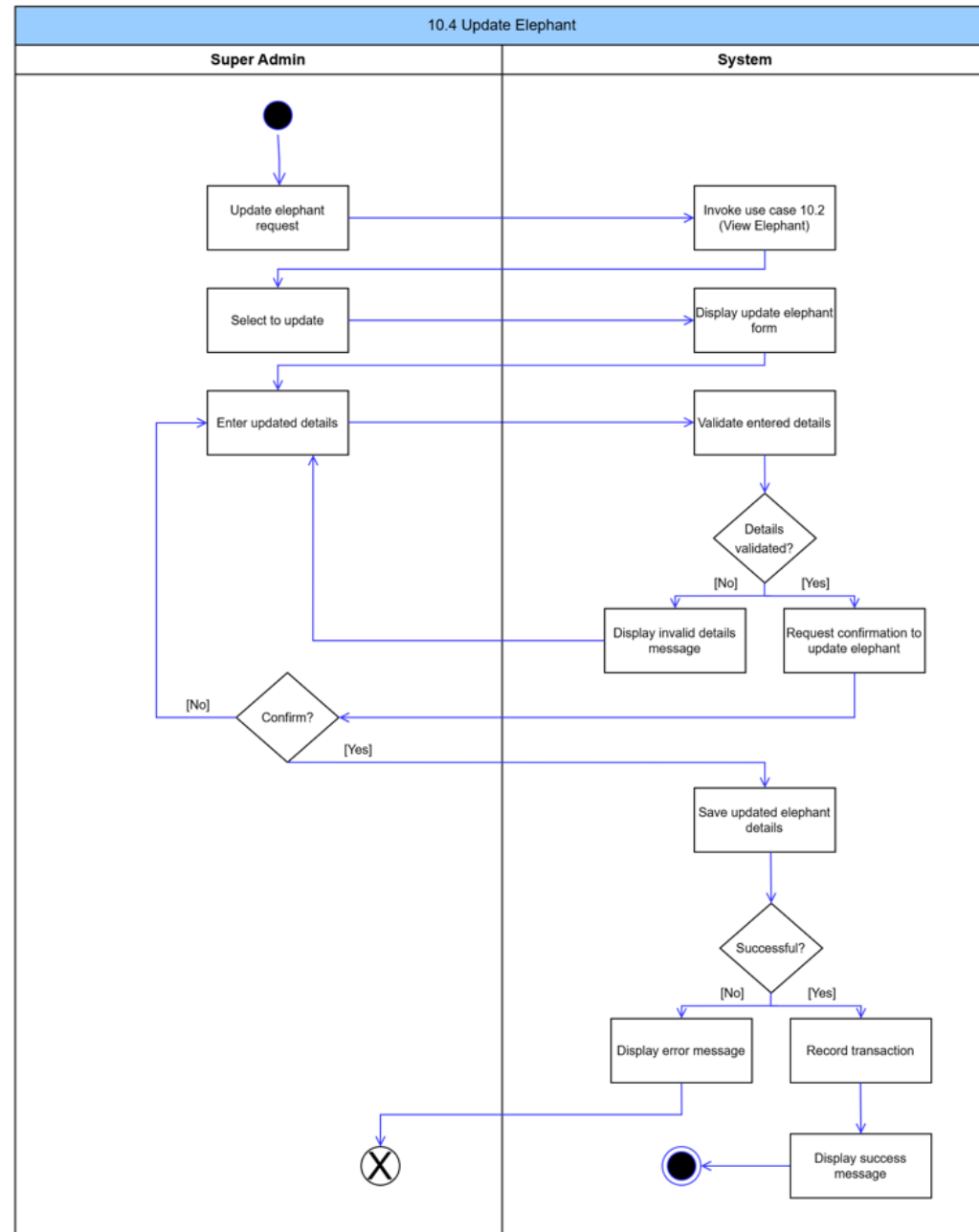


Figure 117: Update Elephant Activity Diagram

2.10.5 Deactivate Elephant

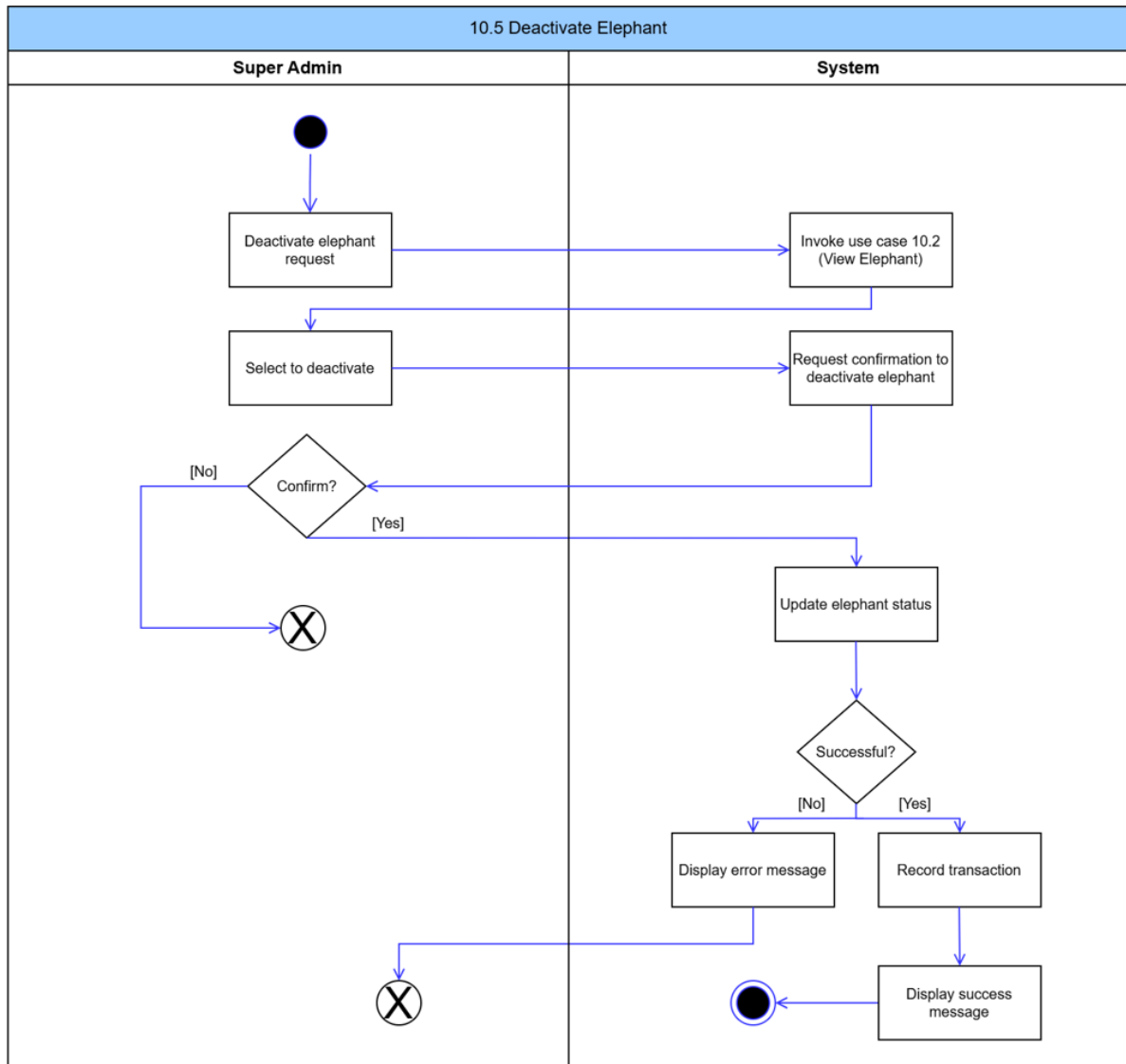


Figure 118: Deactivate Elephant Activity Diagram

2.11 Messages Subsystem

2.11.1 Create Messages

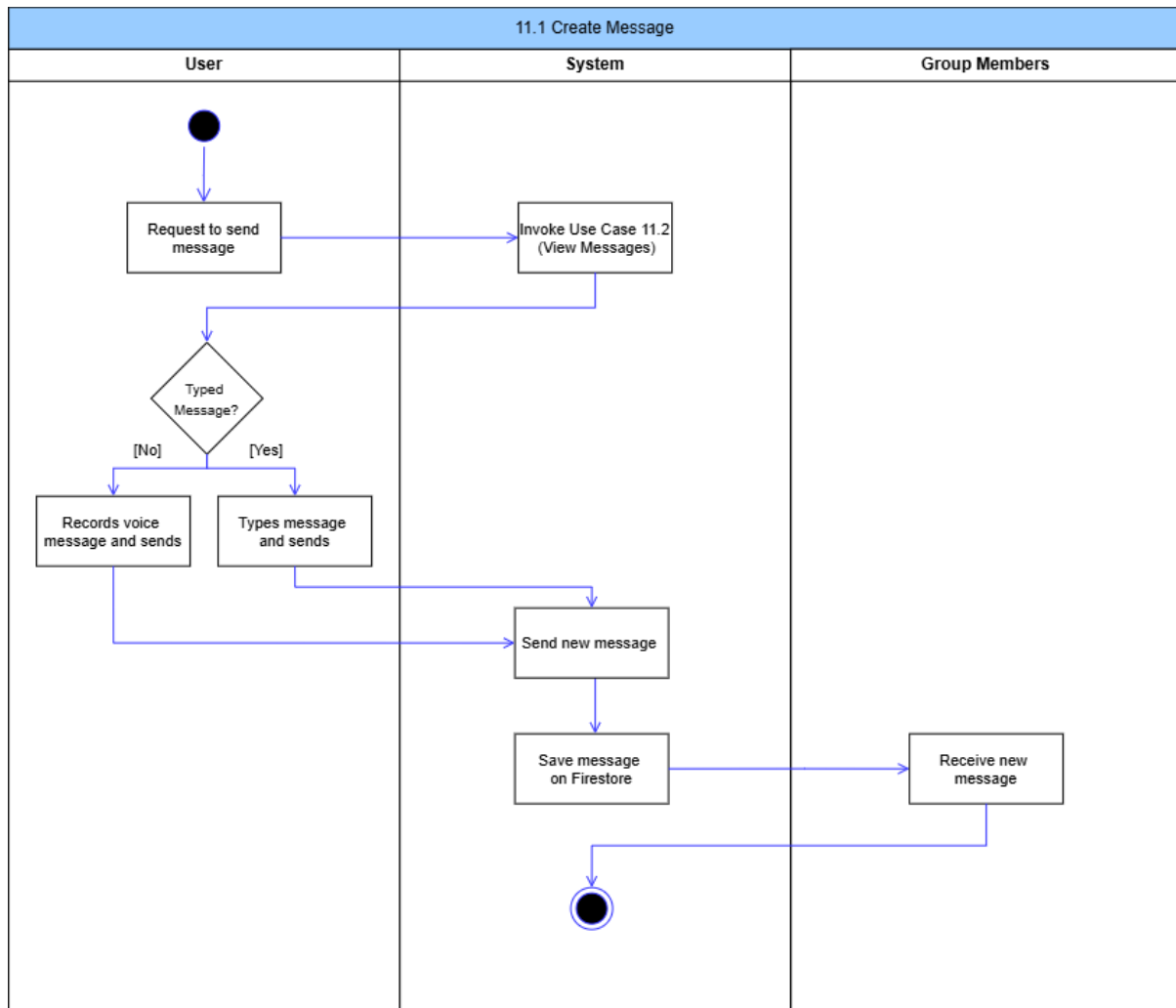


Figure 119: Create Message Activity Diagram

2.11.2 View Messages

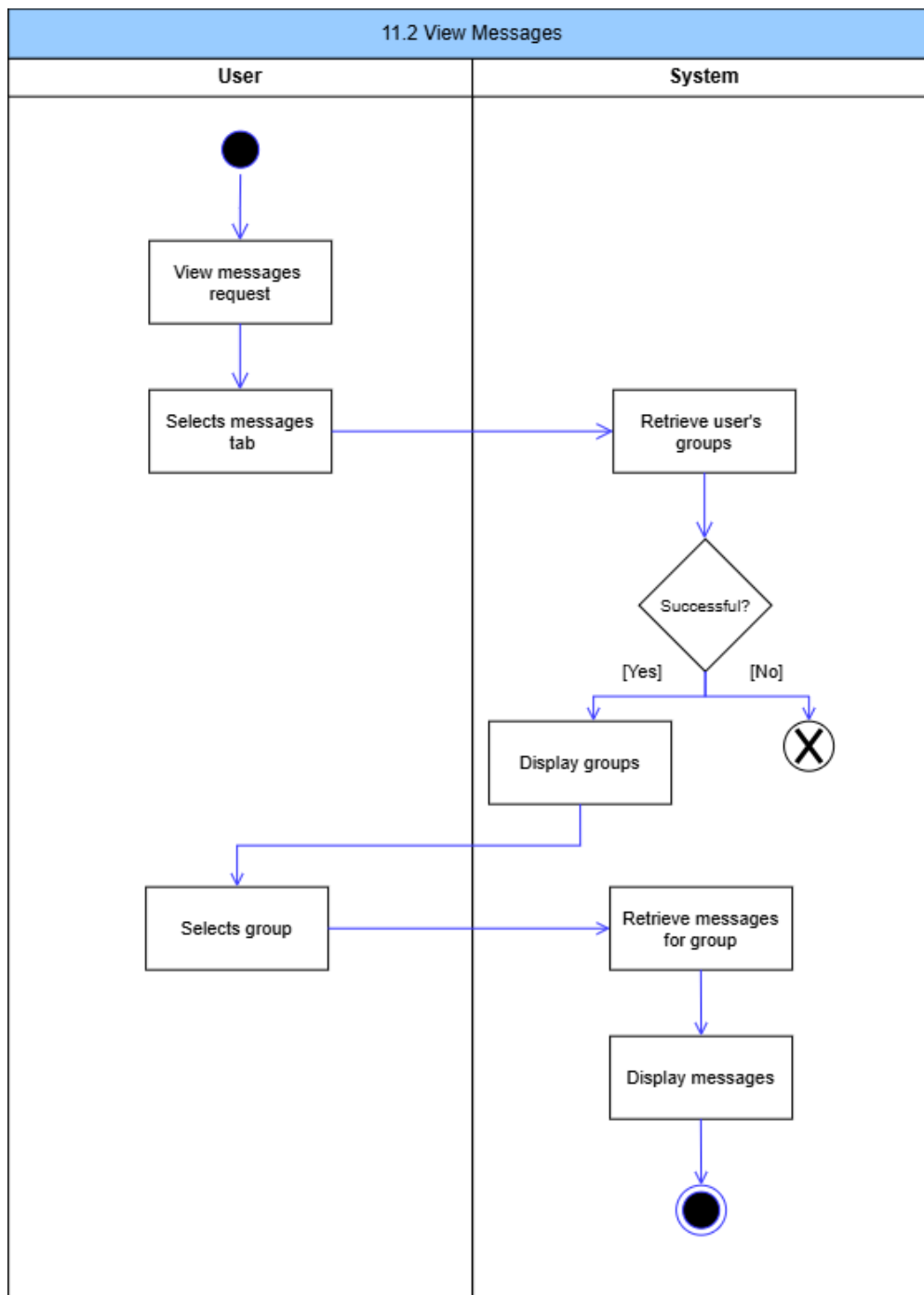


Figure 120: View Messages Activity Diagram

2.12 Report Subsystem Activity Diagrams

2.12.1 Generate Custom Report

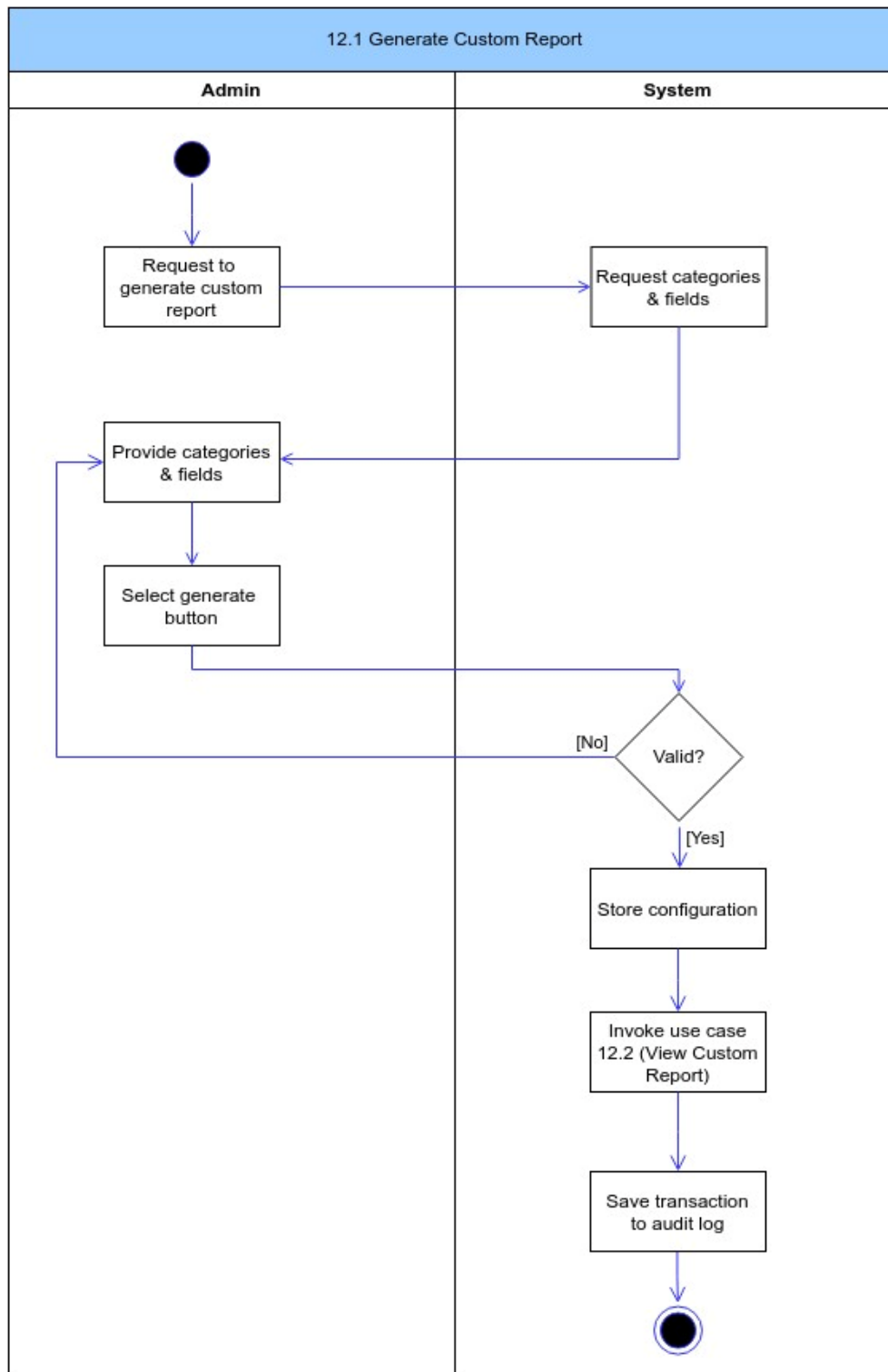


Figure 121: Generate Custom Report Activity Diagram

2.12.2 View Custom Report

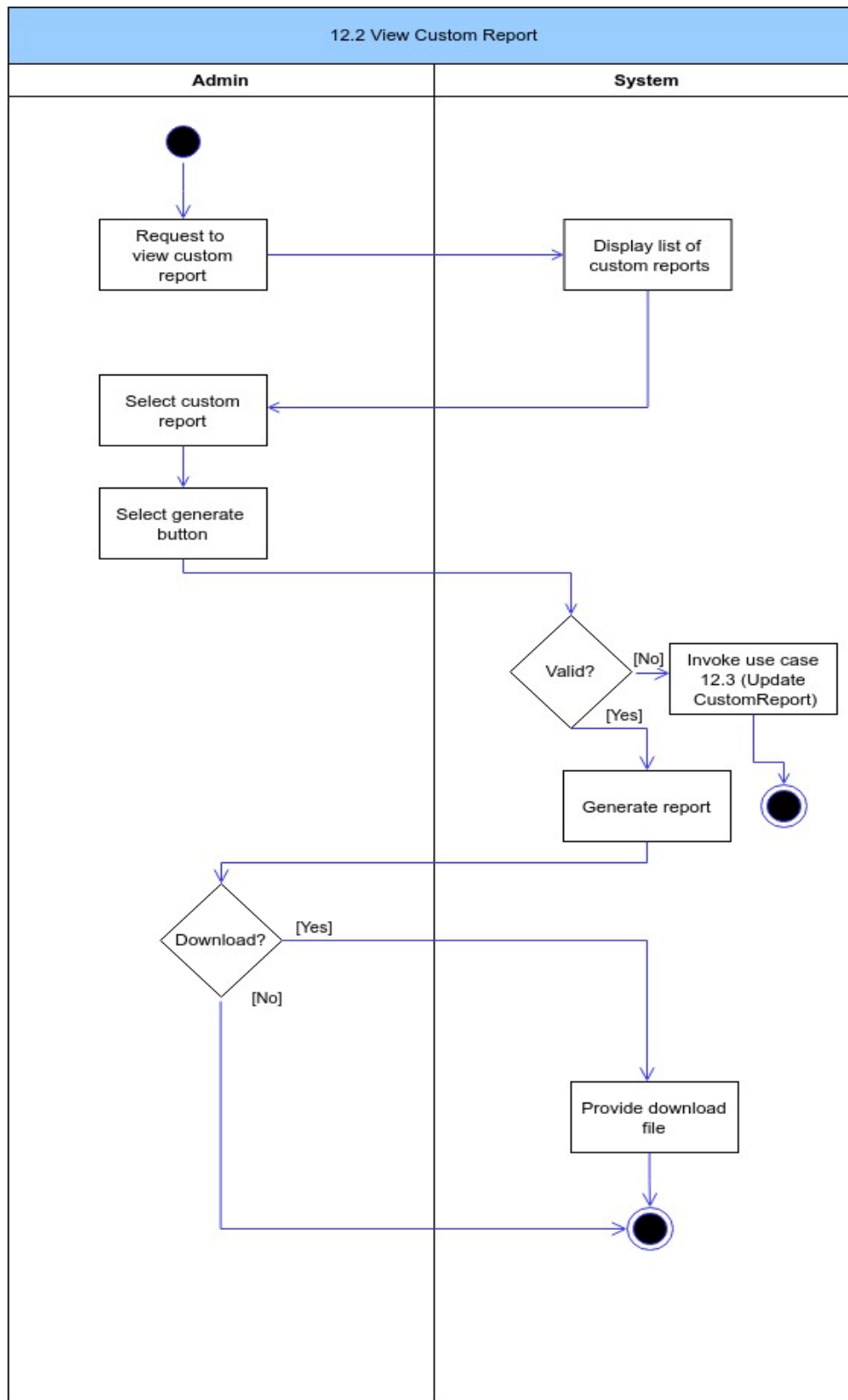


Figure 122: View Custom Report Activity Diagram

2.12.3 Update Custom Report

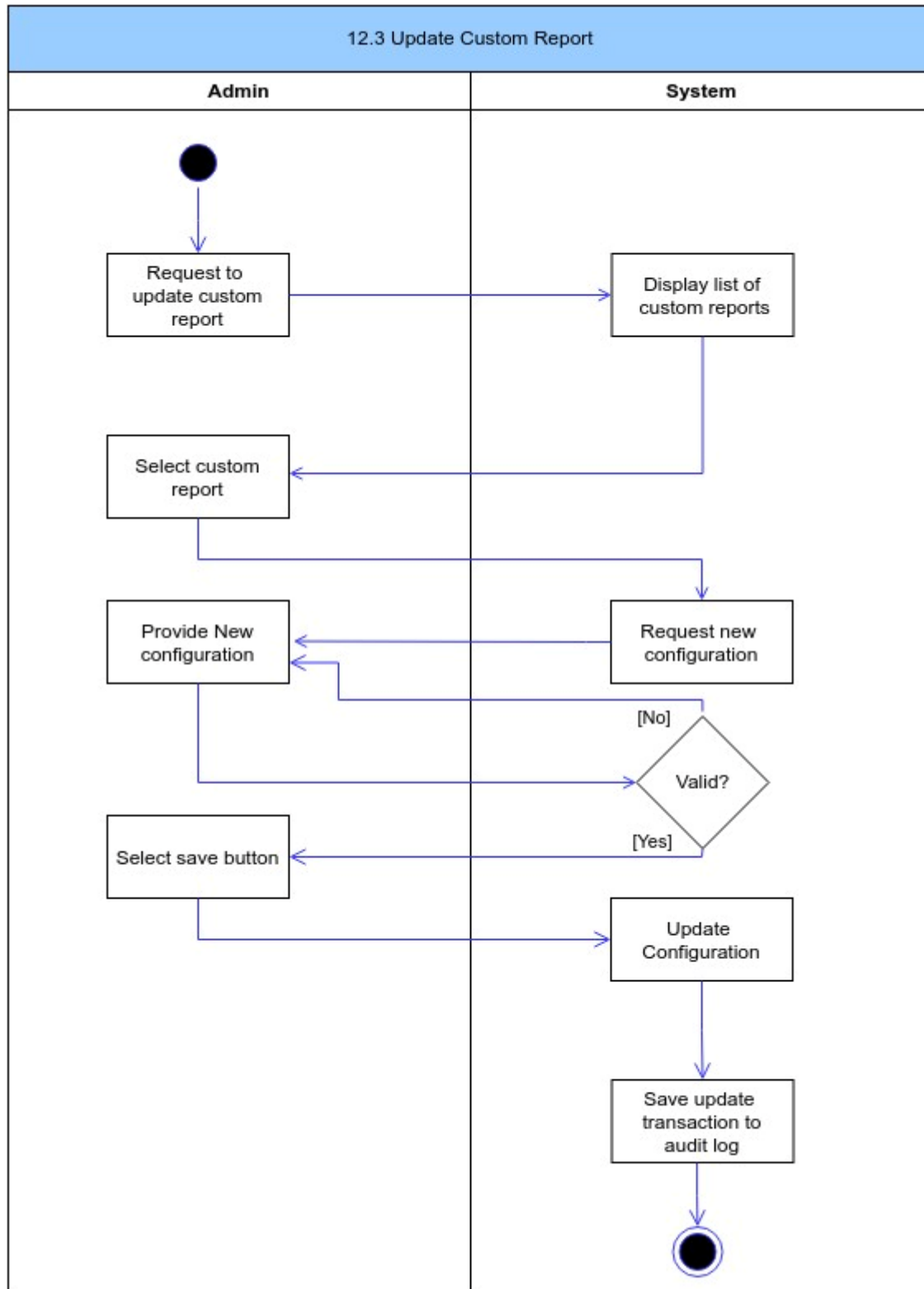


Figure 123: Update Custom Report Activity Diagram

2.12.4 Remove Custom Report

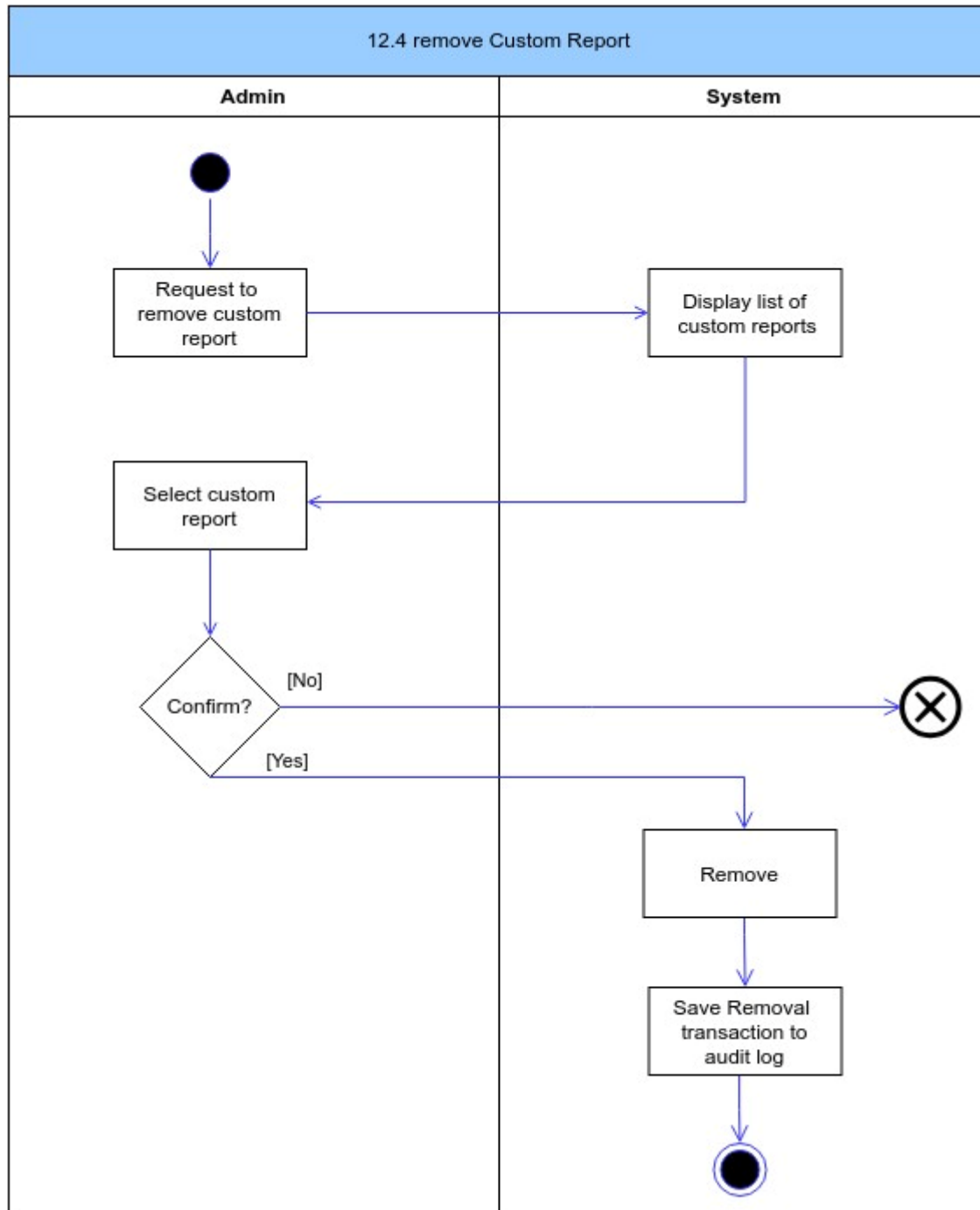


Figure 124: Remove Custom Report Activity Diagram

2.12.5 View Bike Impact Report

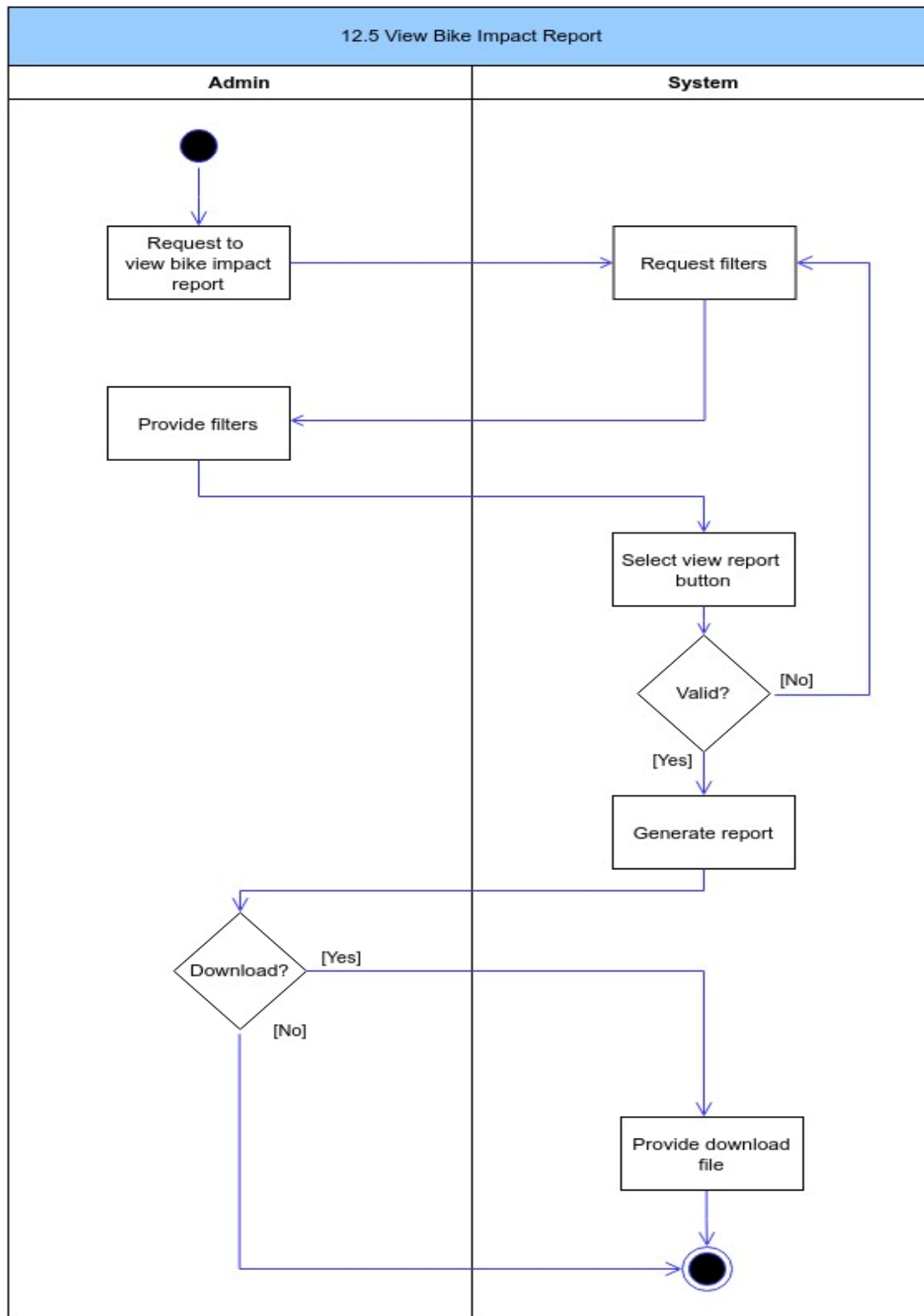


Figure 125: View Bike Impact Report Activity Diagram

2.12.6 View Budget Report

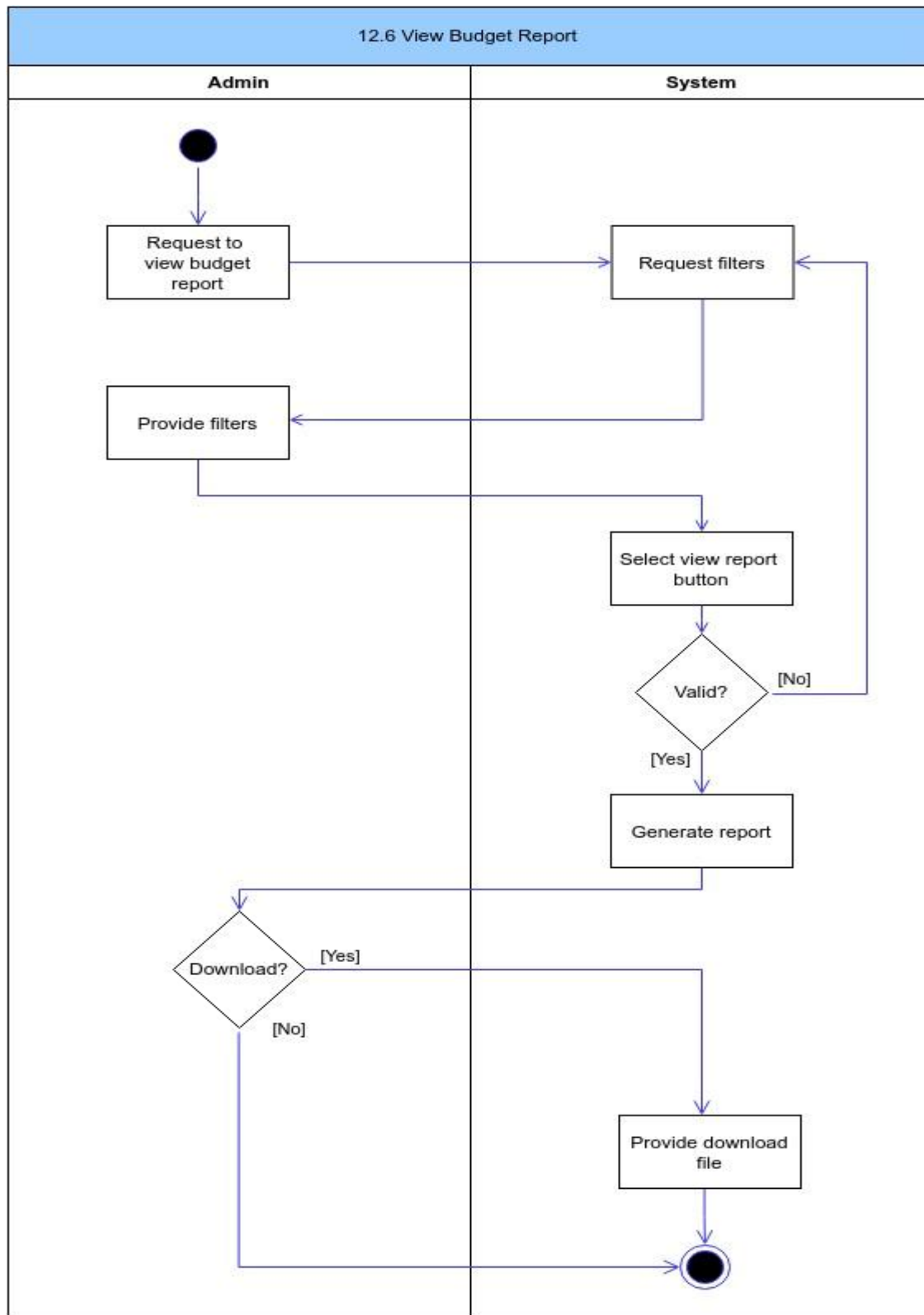


Figure 126: View Budget Report Activity Diagram

2.12.7 View Rhino Report

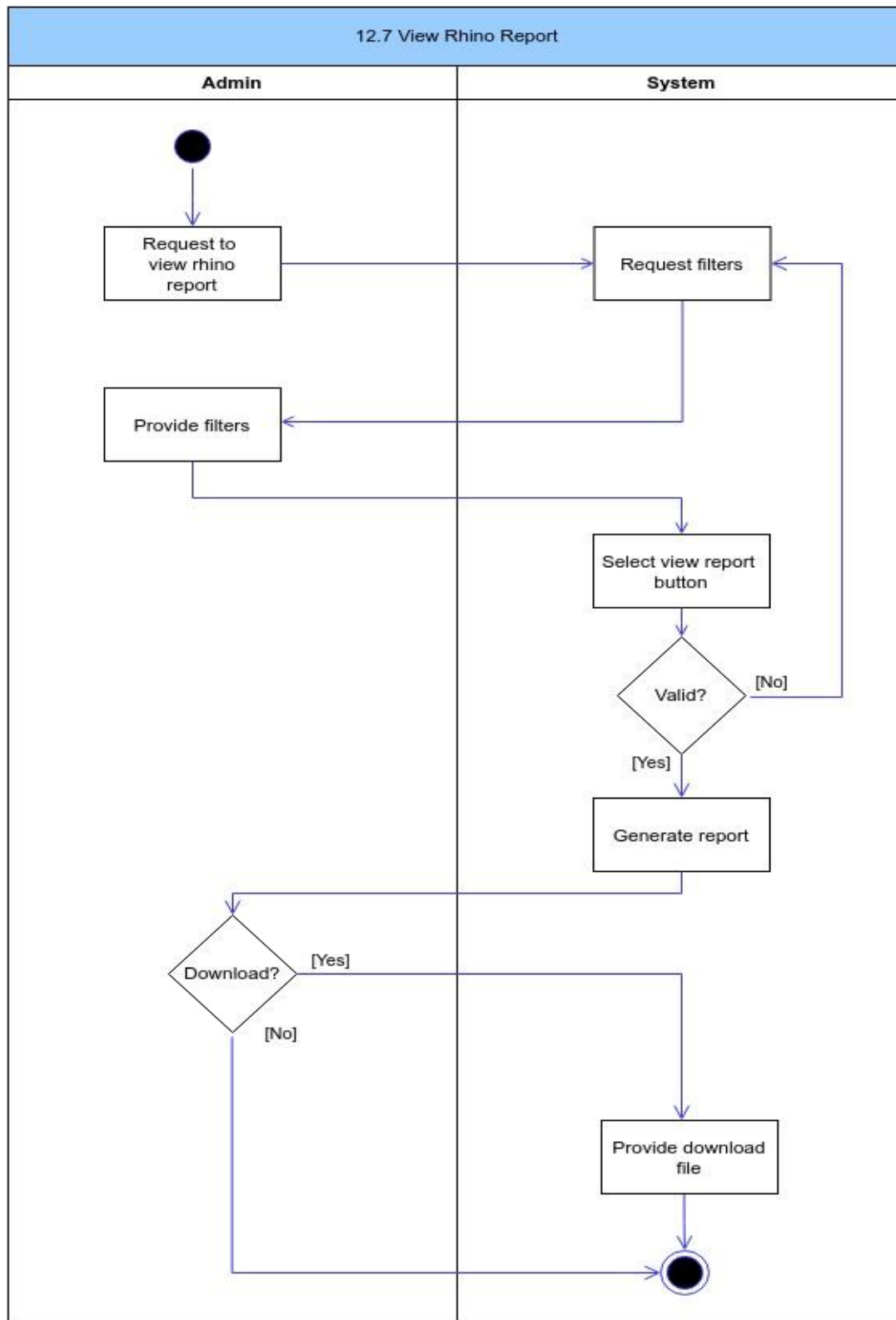


Figure 127: View Rhino Report Activity Diagram

2.12.8 View Elephant Report

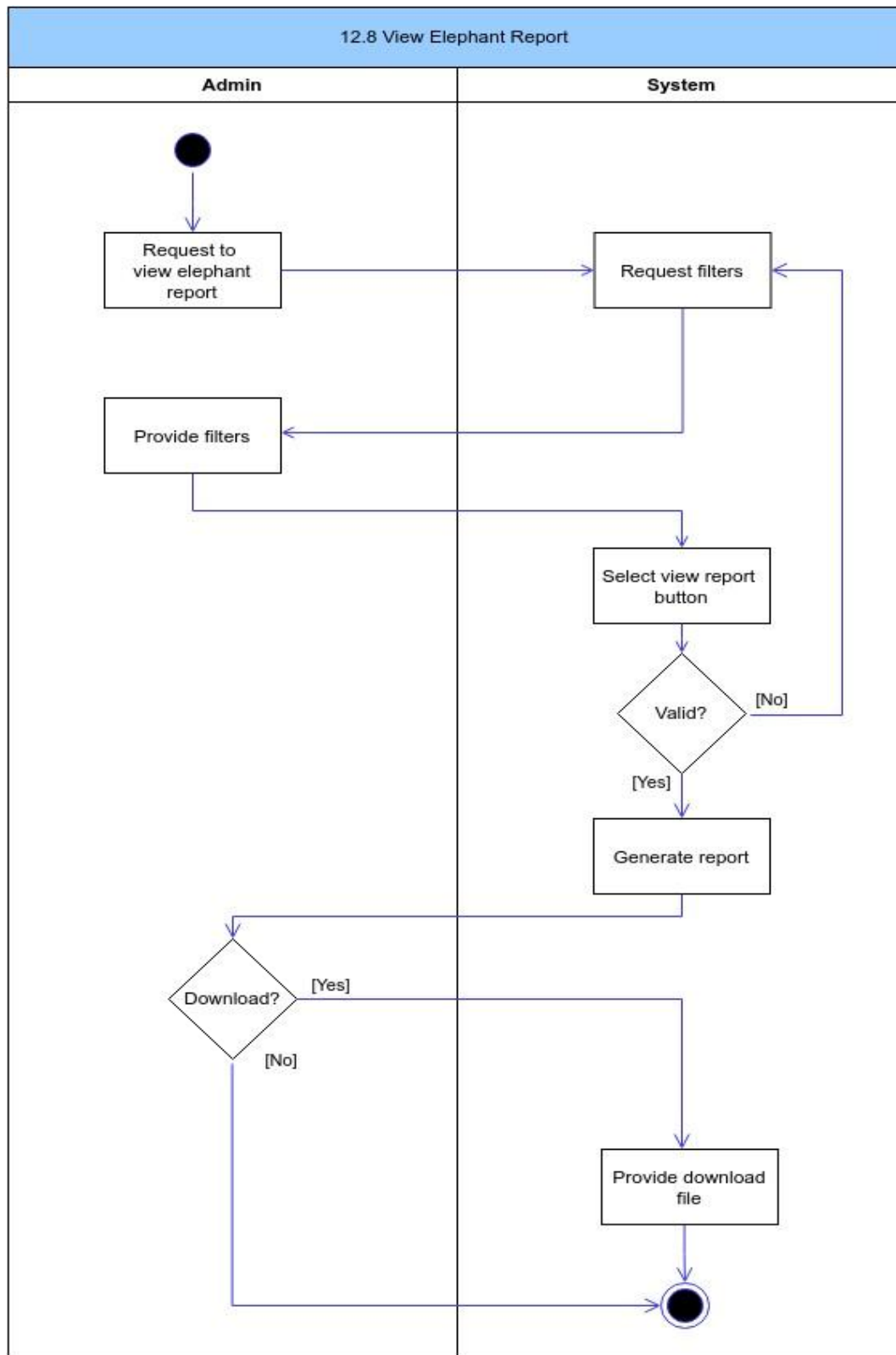


Figure 128: View Elephant Report Activity Diagram

2.12.9 View K9 Report

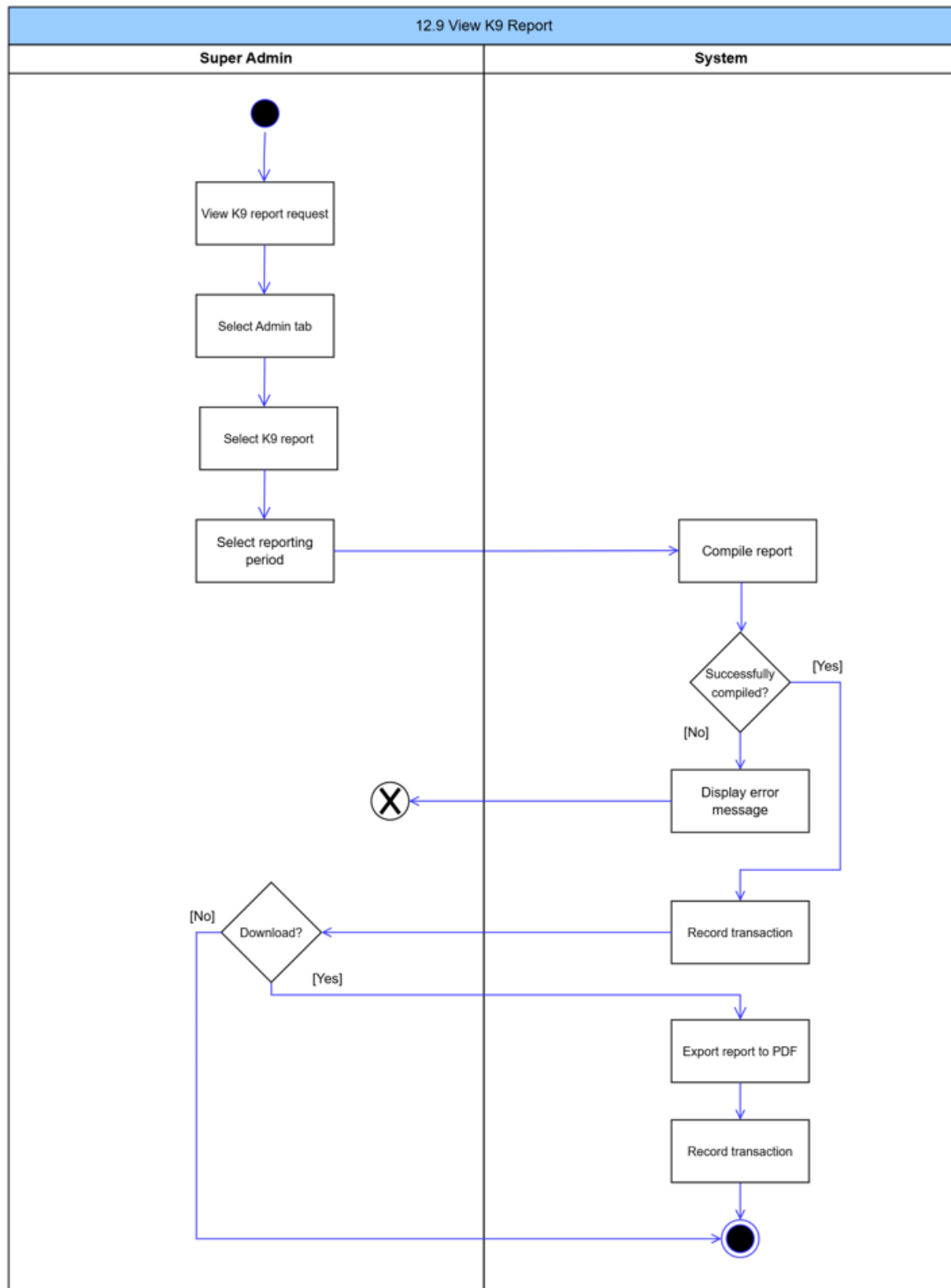


Figure 129: View K9 Report Activity Diagram

2.12.10 View Machine Learning Report

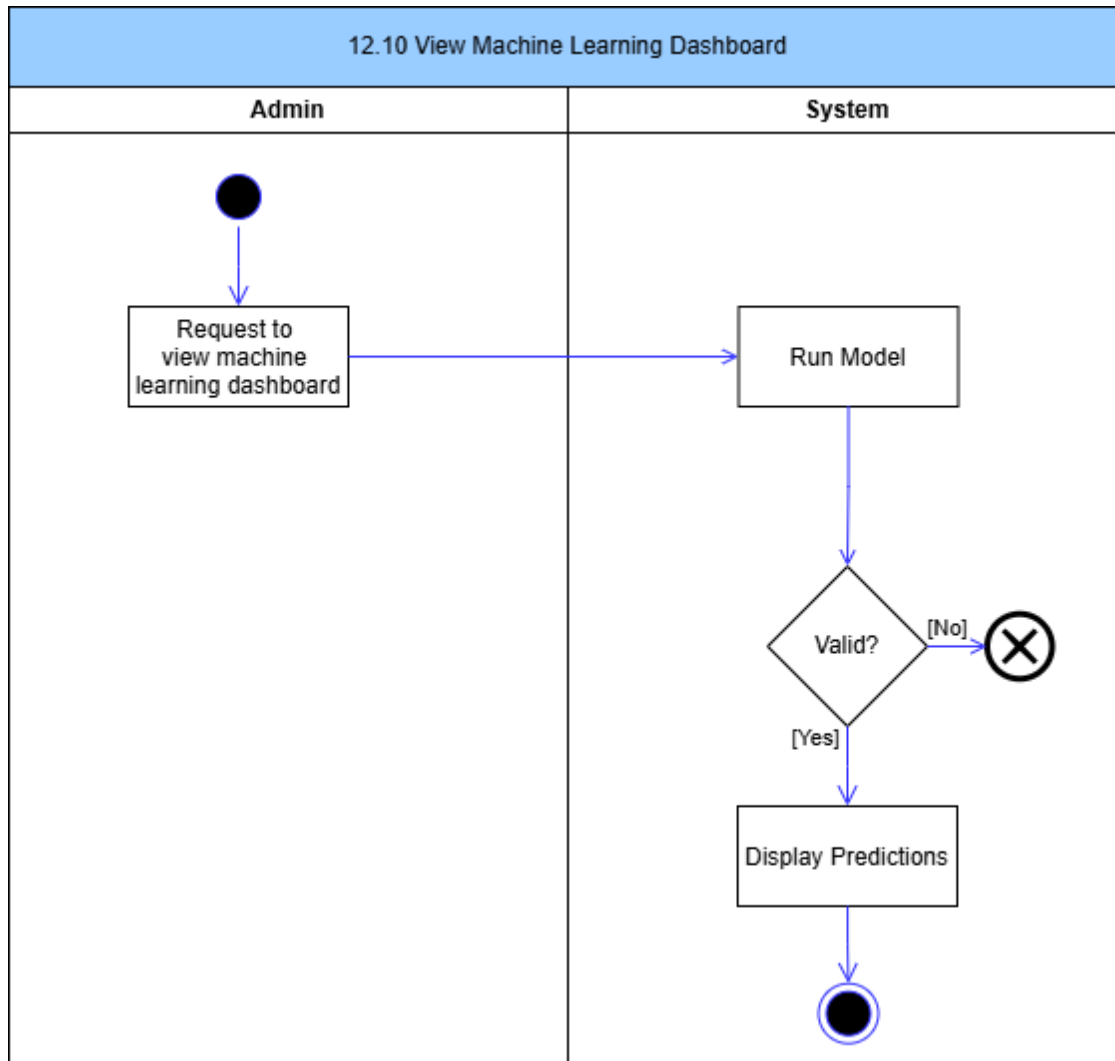


Figure 130: View Machine Learning Dashboard Activity Diagram

2.13 System Subsystem Activity Diagrams

2.13.1 Backup System

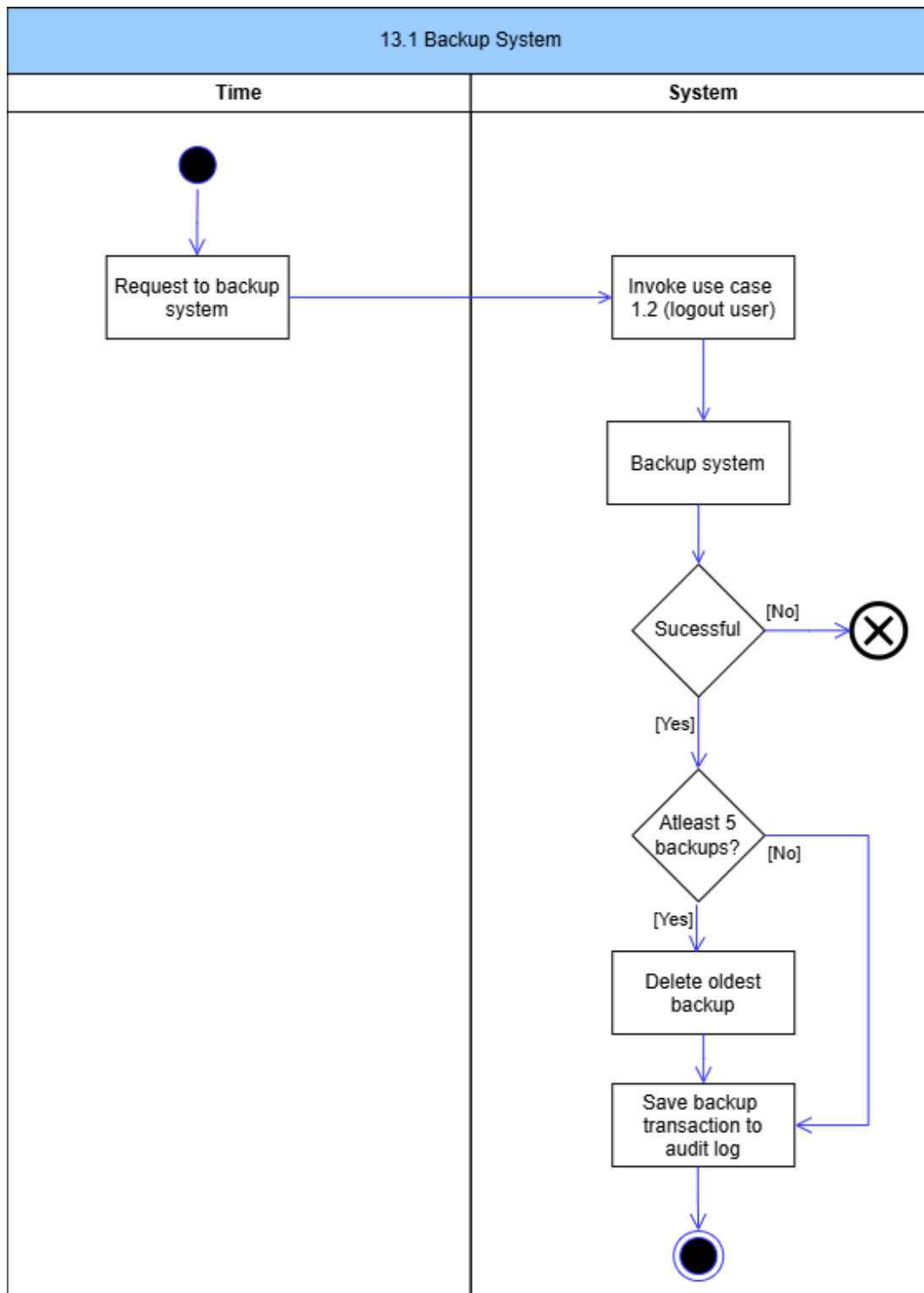


Figure 131: Backup System Activity Diagram

2.13.2 Restore System

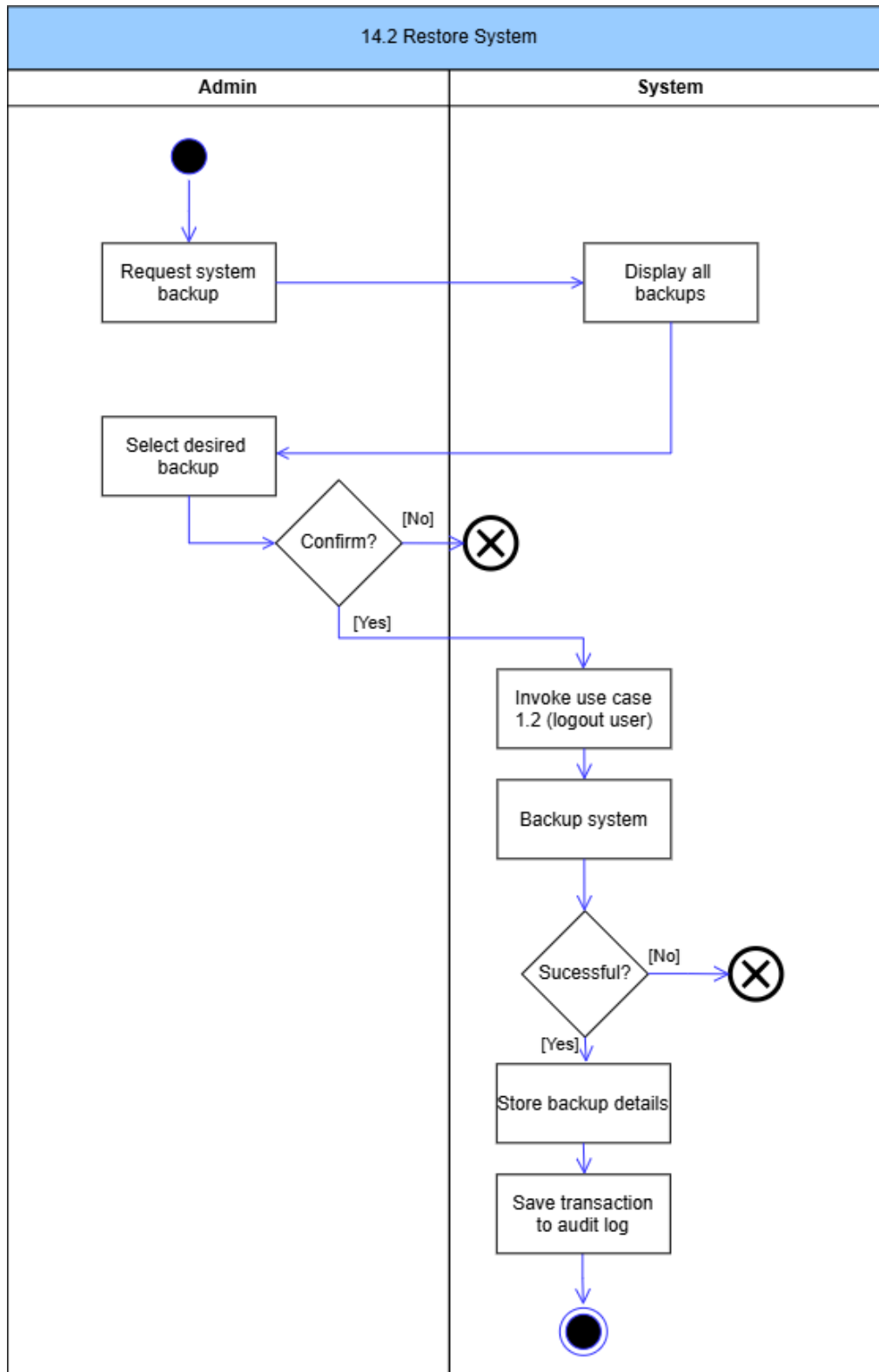


Figure 132: Restore system Activity Diagram

2.13.3 View Audit Log

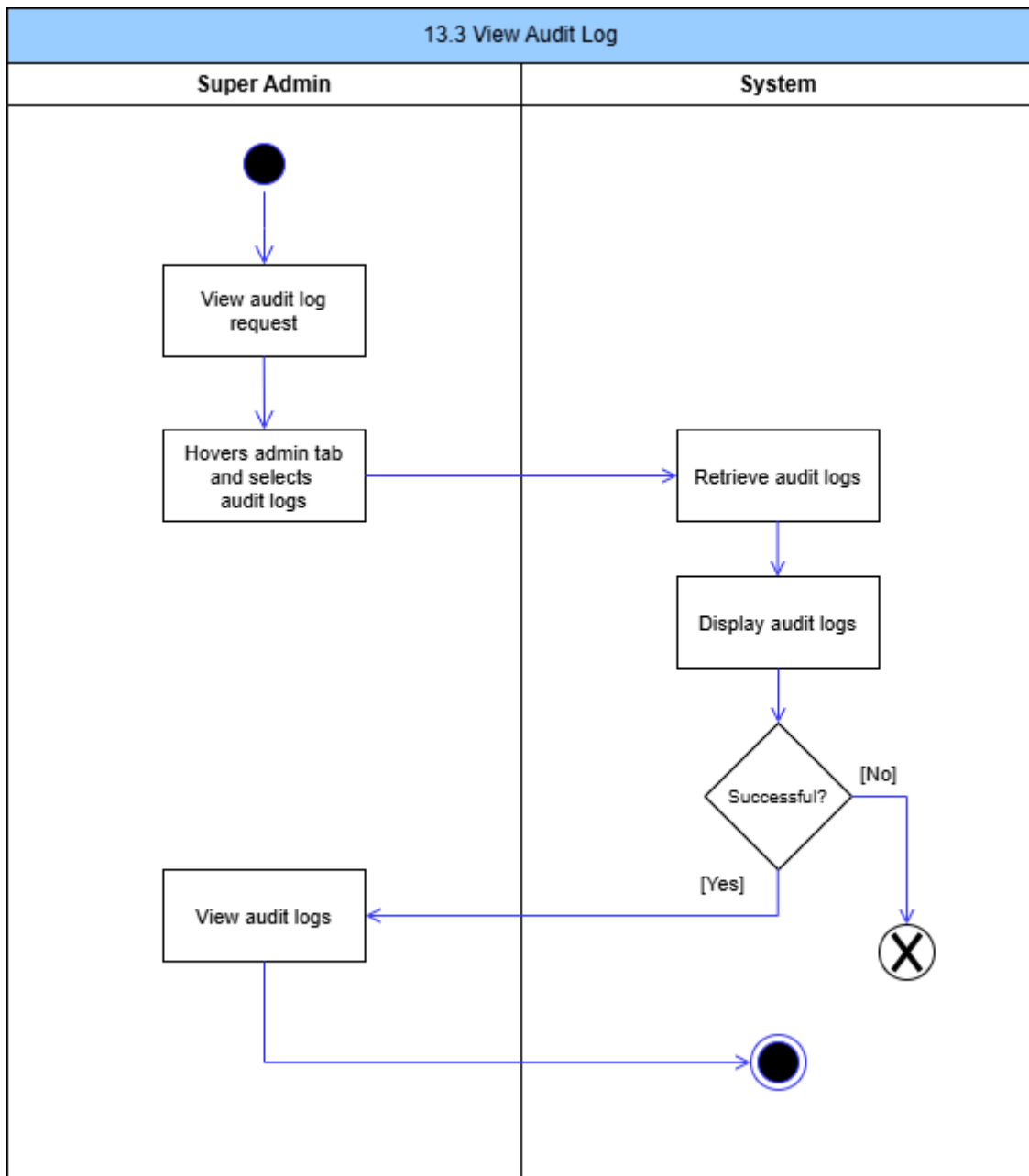


Figure 133: View Audit Log Activity Diagram

2.14 Budget Subsystem Activity Diagrams

2.14.1 View Project Budget

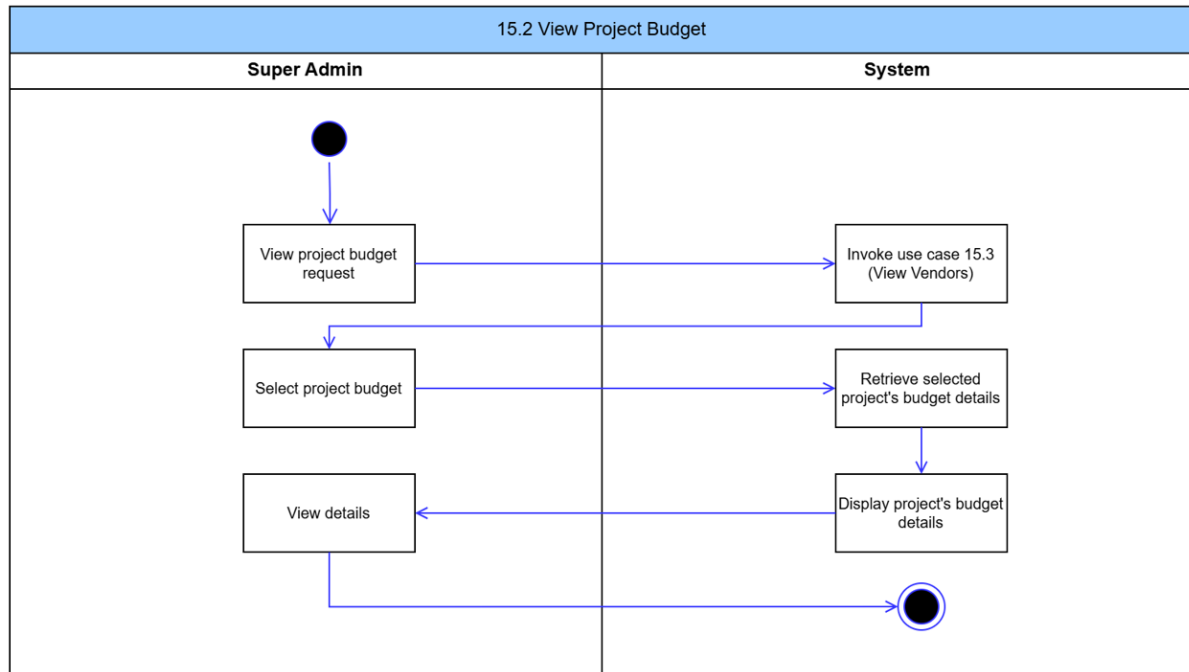


Figure 134: View Project Budget Activity Diagram

2.14.2 View Project Budgets

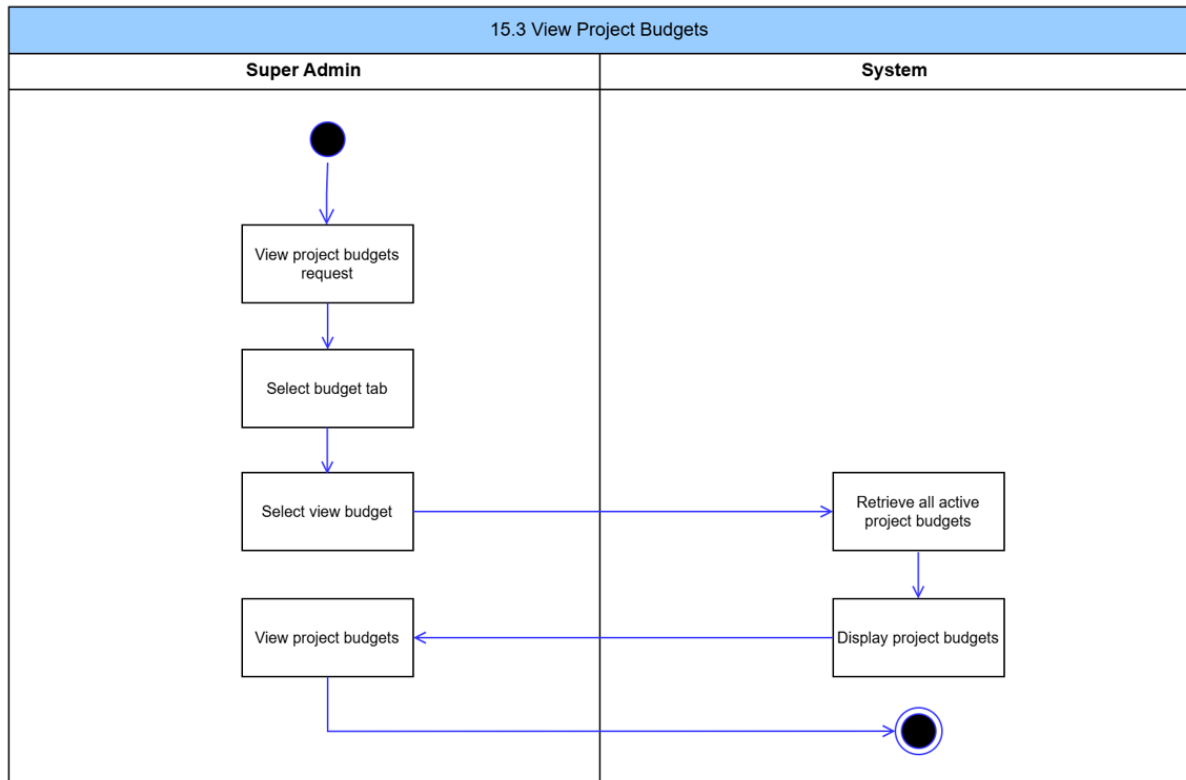


Figure 135: View Project Budgets Activity Diagram

2.14.3 Log An Expense

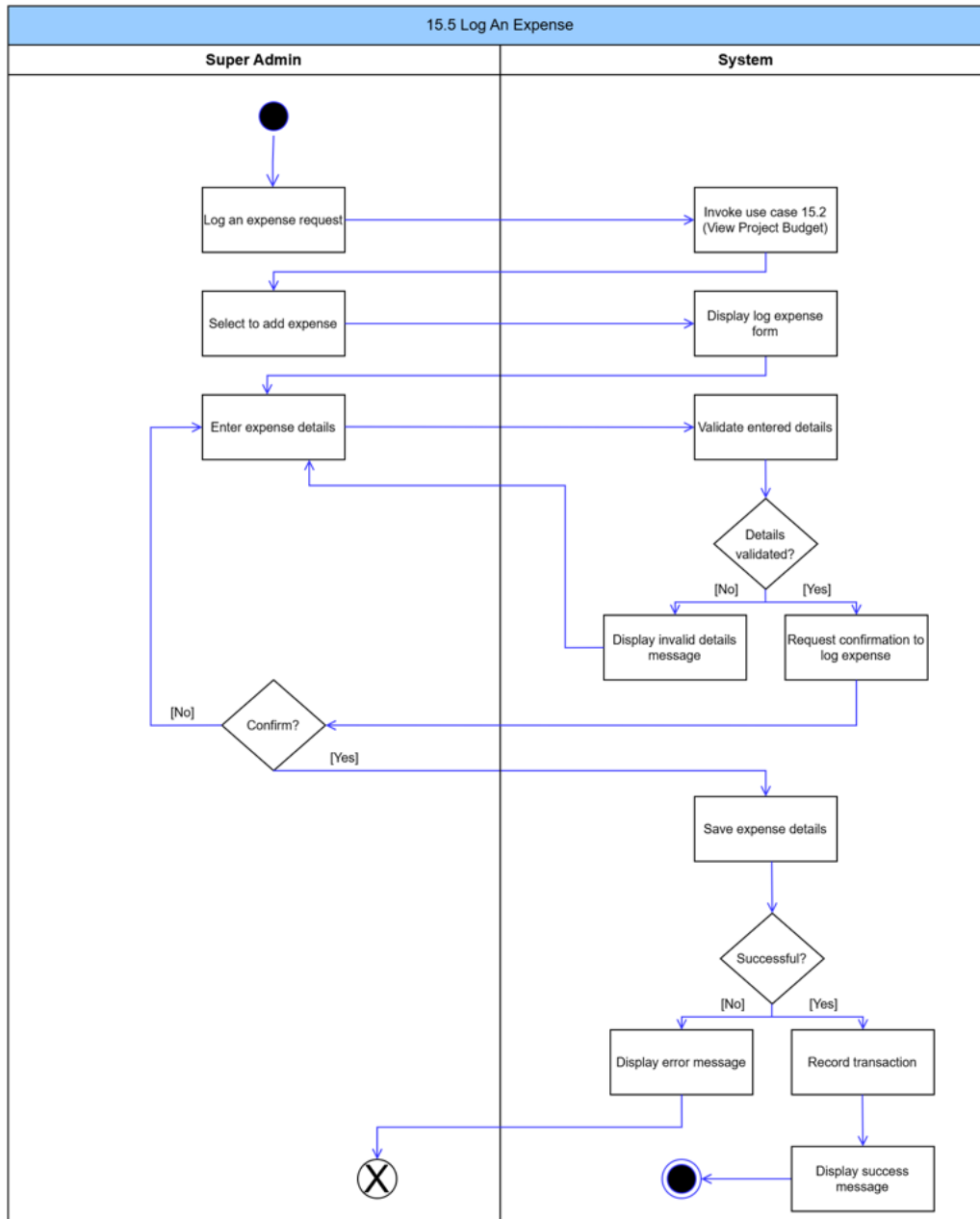


Figure 136: Log An Expense Activity Diagram

2.14.4 Update Expense

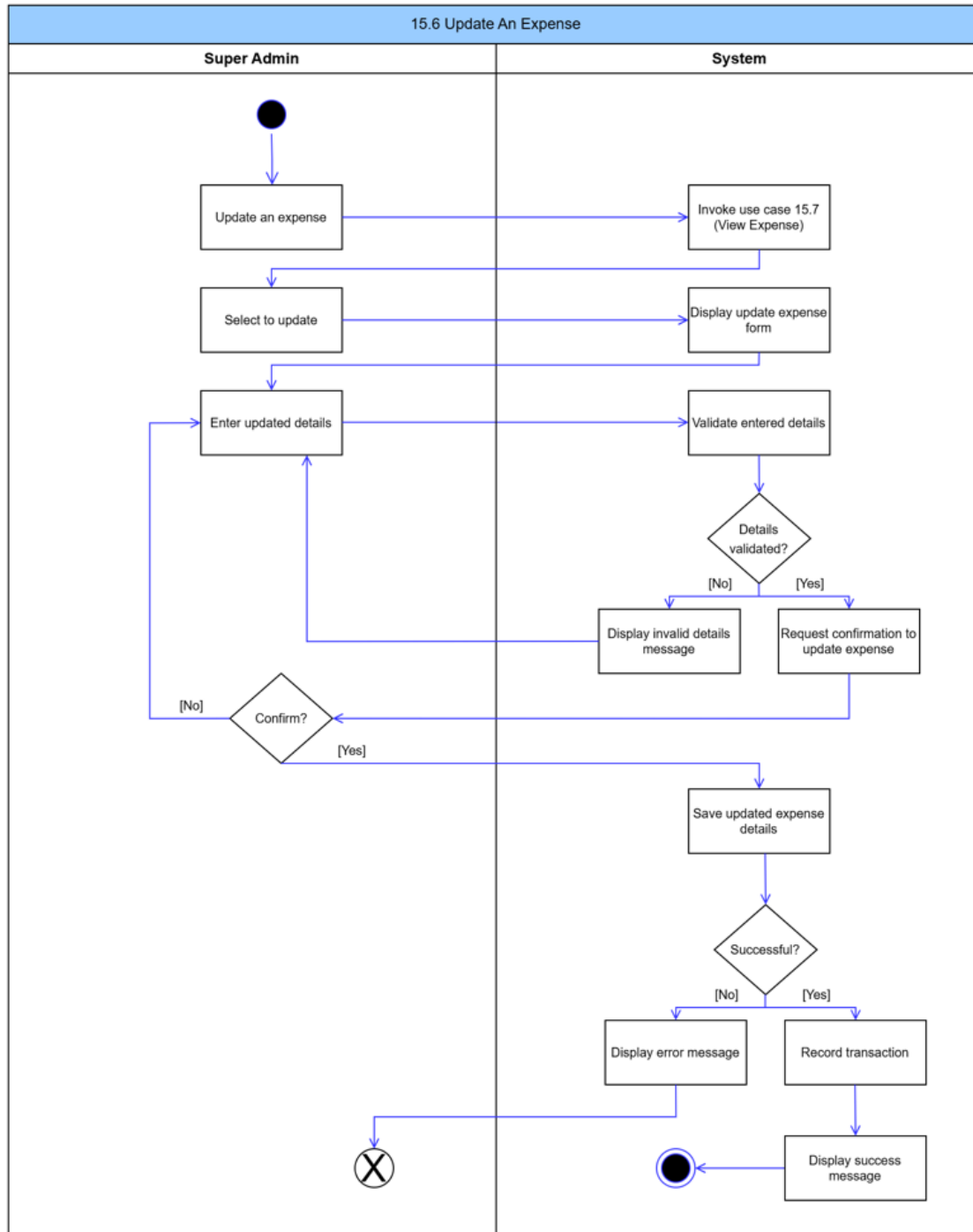


Figure 137: Update Expense Activity Diagram

2.14.5 View Expense

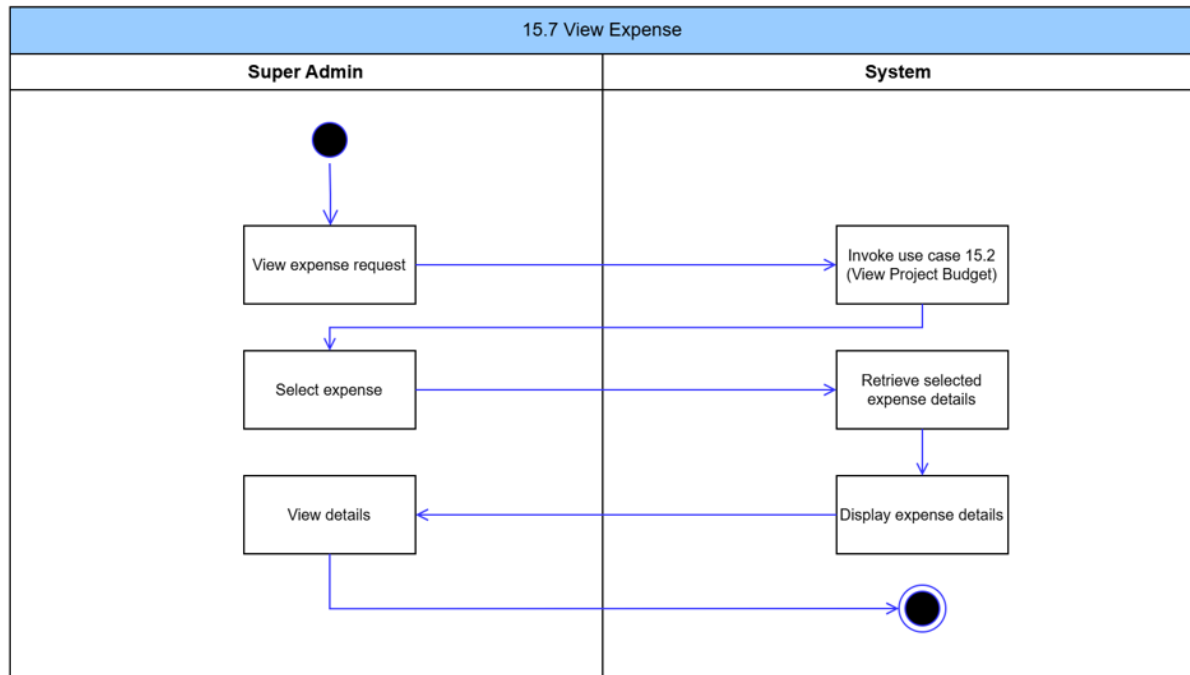


Figure 138: View Expense Activity Diagram

2.14.6 Remove Expense

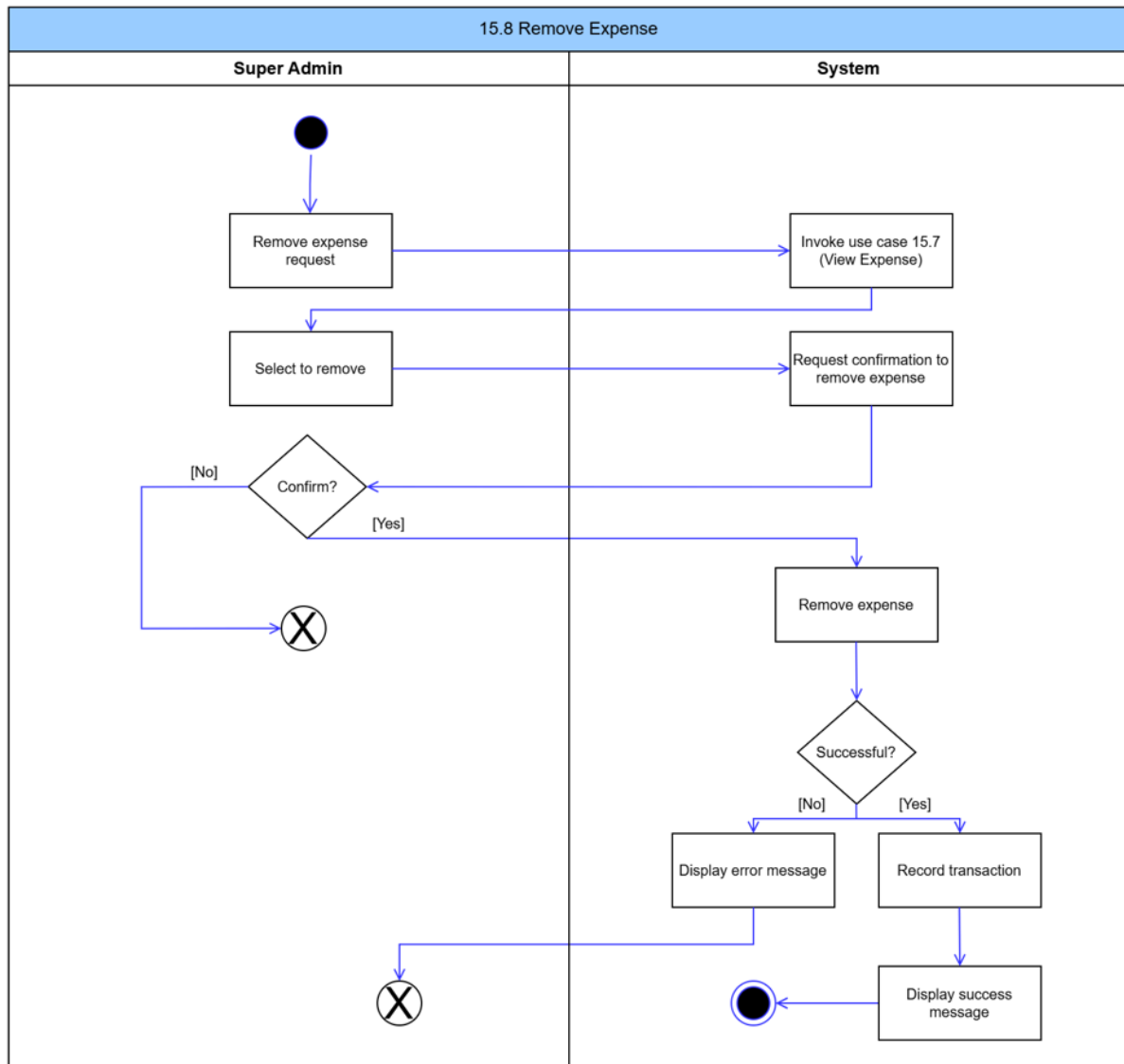


Figure 139: Remove Expense Activity Diagram

3. Conclusion

This document outlined the activity diagrams for the use cases defined for the proposed system for EPI-USE and groupelephant.com.

4. Sign-off by Client

Sign-Off Confirmation:

I, the undersigned, have reviewed the contents of this document and approved it as complete and accurate. I acknowledge that the information provided meets the requirements agreed upon with team 35, Canvas.

Client Name: Dané Coetzee

Signature: *Dané Coetzee*

Date: 11/08/2026

5. Sign-off by Team

Team member:

Name: Alexander Steven

Date: 16 August 2026

Signature:



Team member:

Name: Amahle Khoza

Date: 16 August 2026

Signature:



Team member:

Name: Christopher Bailey

Date: 16 August 2026

Signature:



Team member:

Name: Nicholas Bailey

Date: 16 August 2026

Signature:



Team member:

Name: Stephan Bredenhann

Date: 16 August 2026

Signature:

