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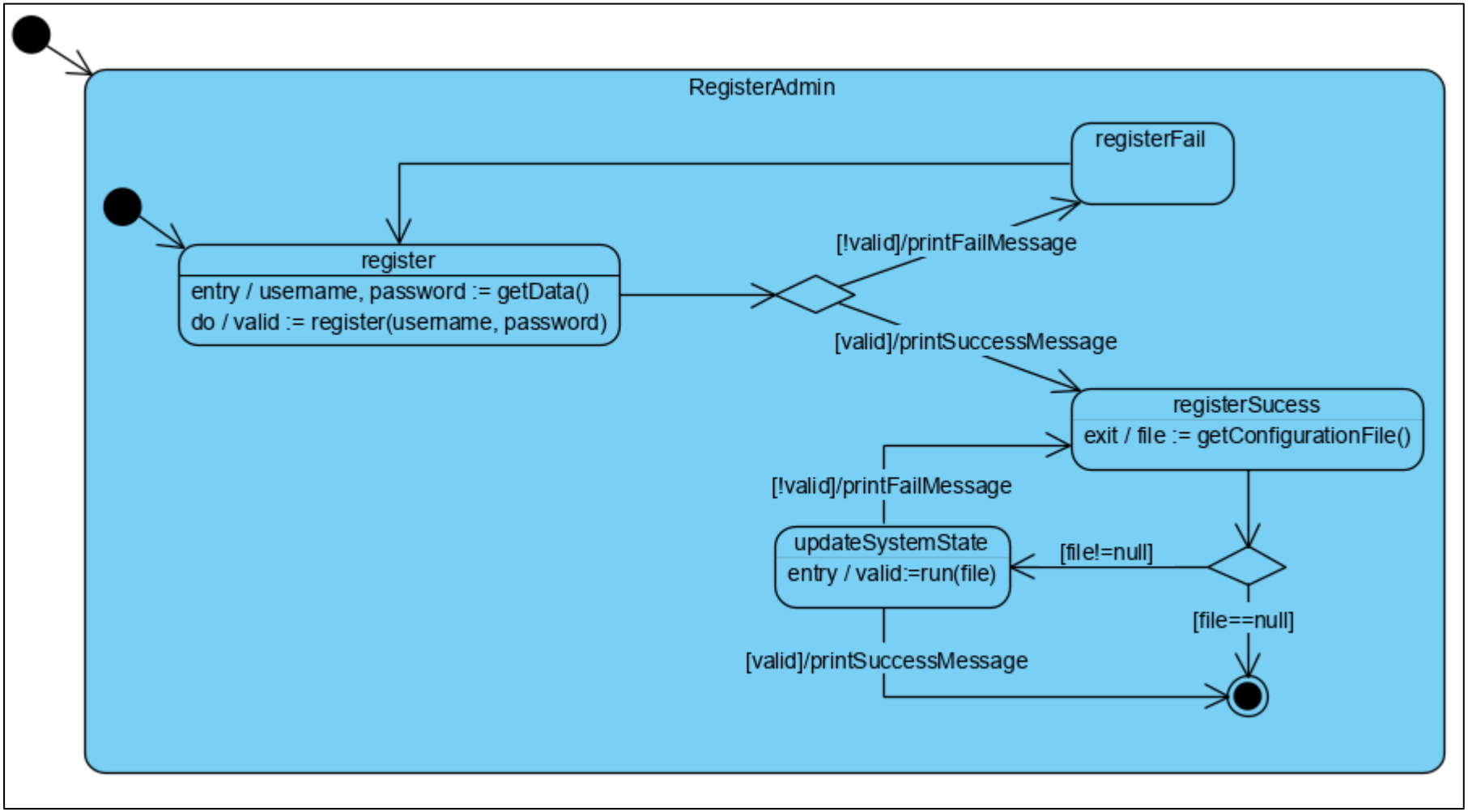
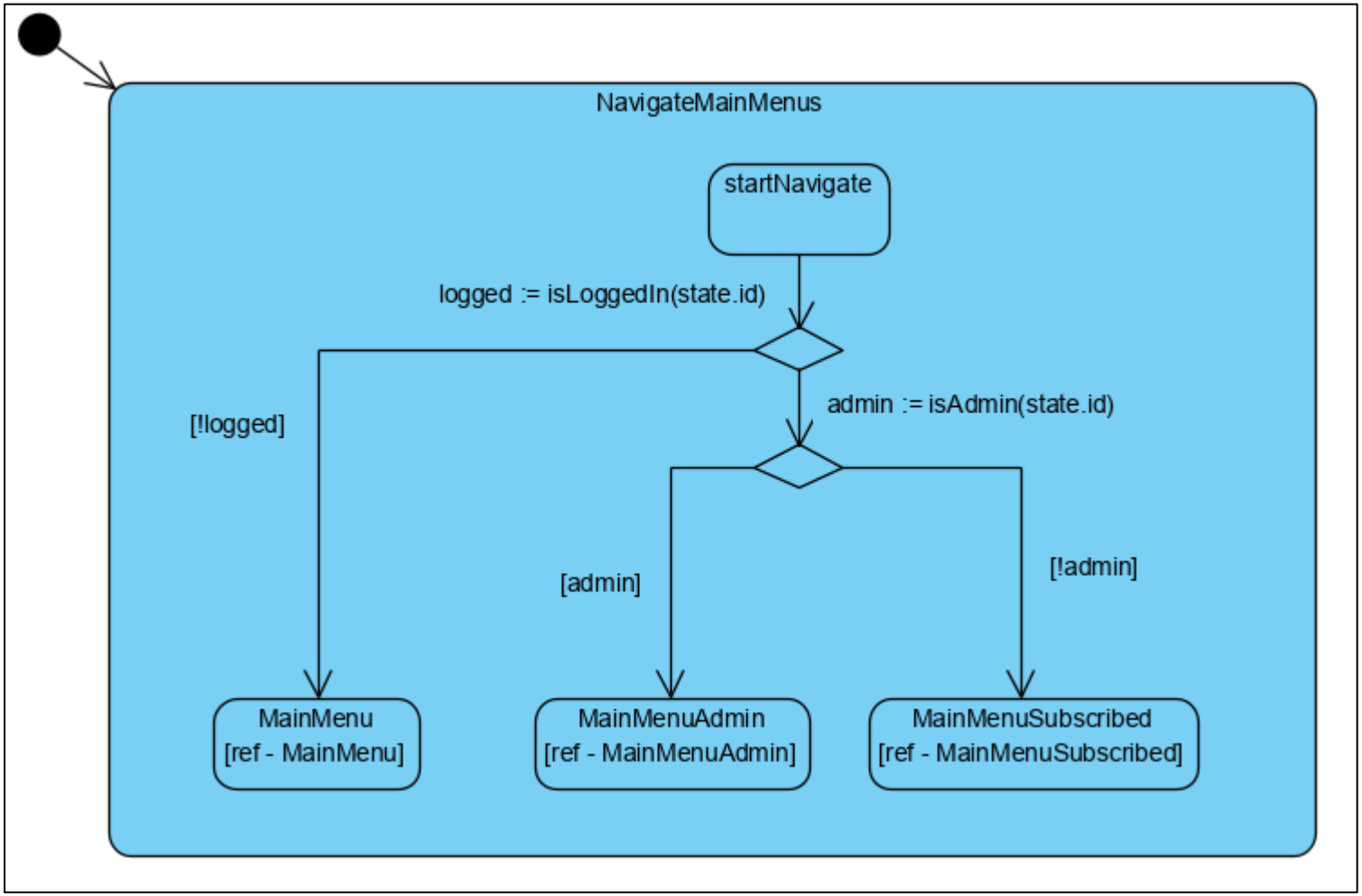
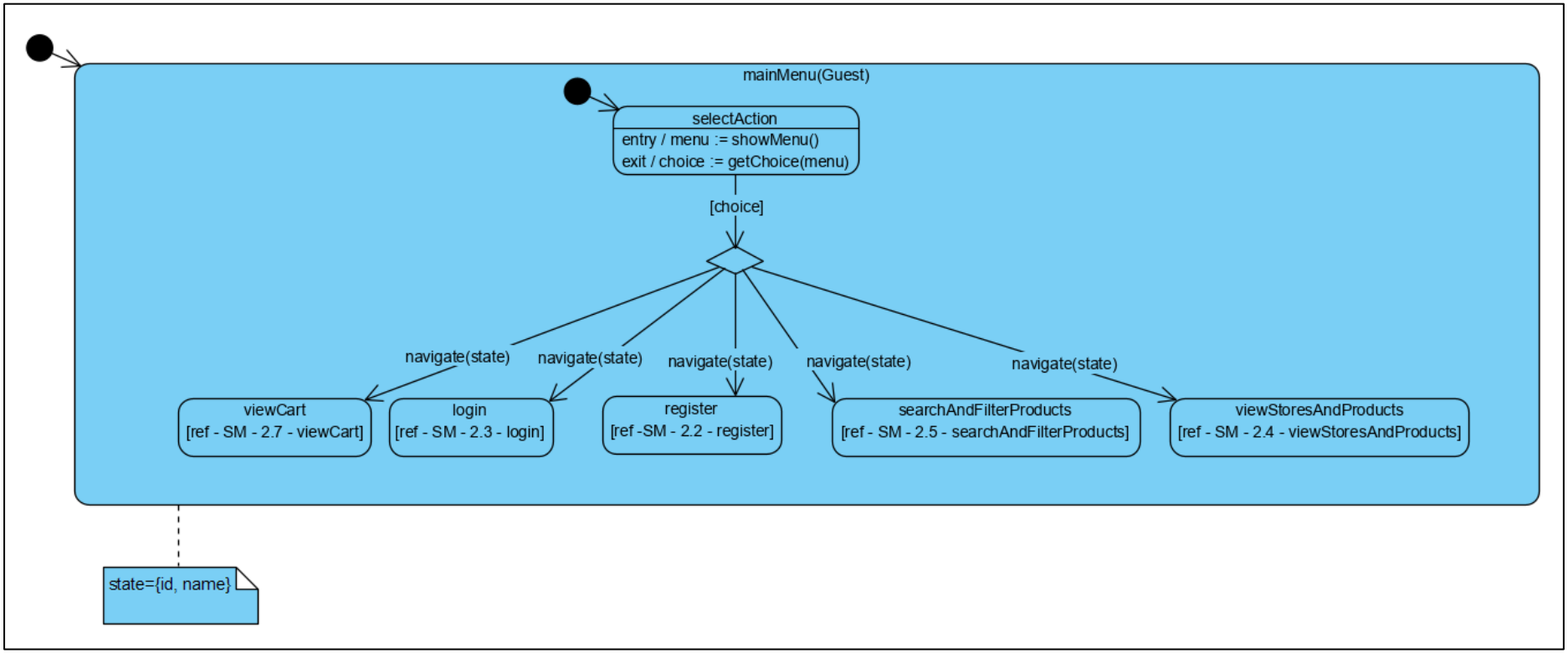
1. Init system – register admin



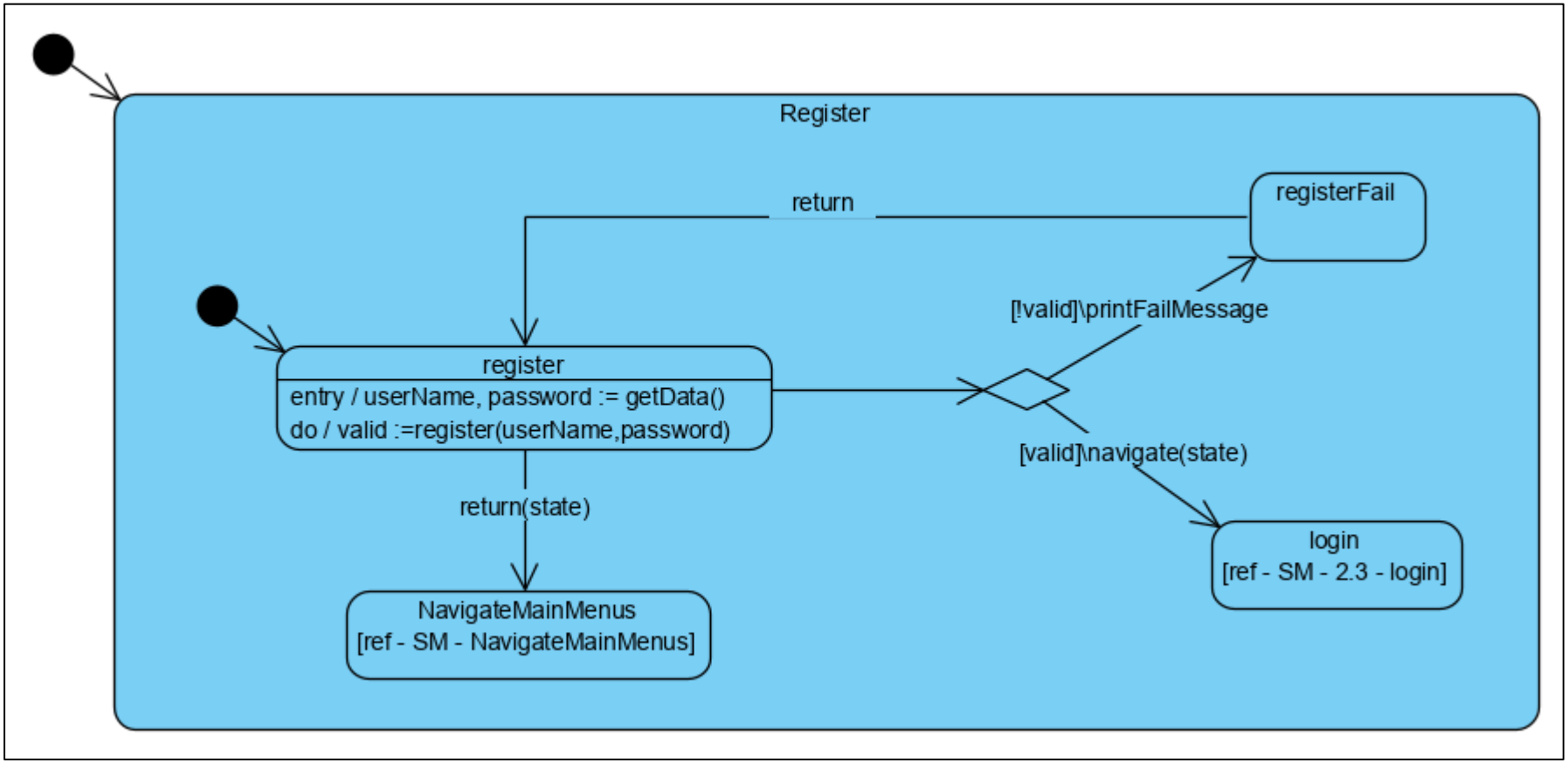
Navigate menu



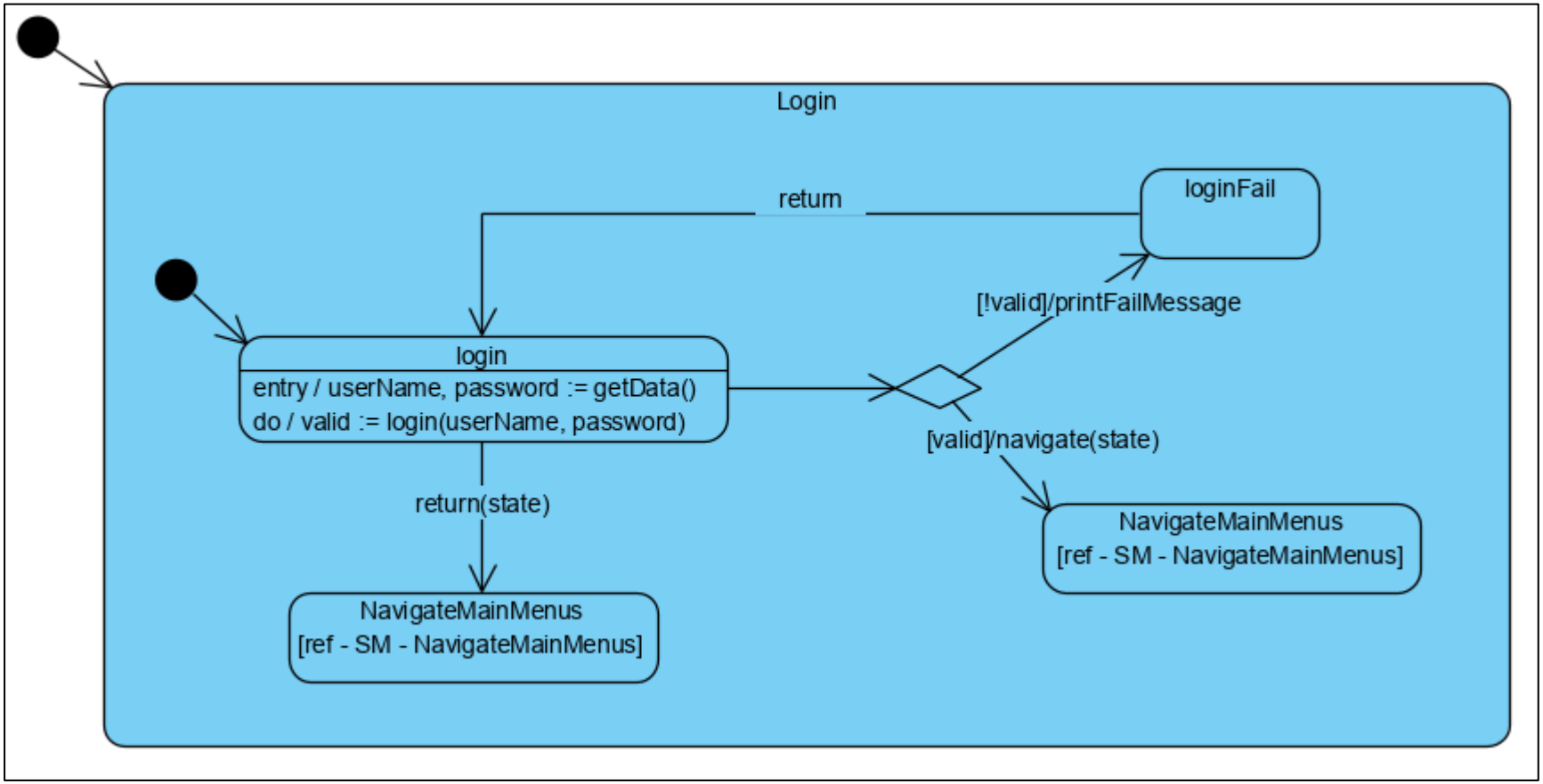
2. Guest Menu


mainMenu(Guest)
selectAction
entry / menu := showMenu()
exit / choice := getChoice(menu)
[choice]
navigate(state)
navigate(state)
navigate(state)
navigate(state)
navigate(state)
viewCart
[ref - SM - 2.7 - viewCart]
login
[ref - SM - 2.3 - login]
register
[ref -SM - 2.2 - register]
searchAndFilterProducts
[ref - SM - 2.5 - searchAndFilterProducts]
viewStoresAndProducts
[ref - SM - 2.4 - viewStoresAndProducts]
state={id, name}

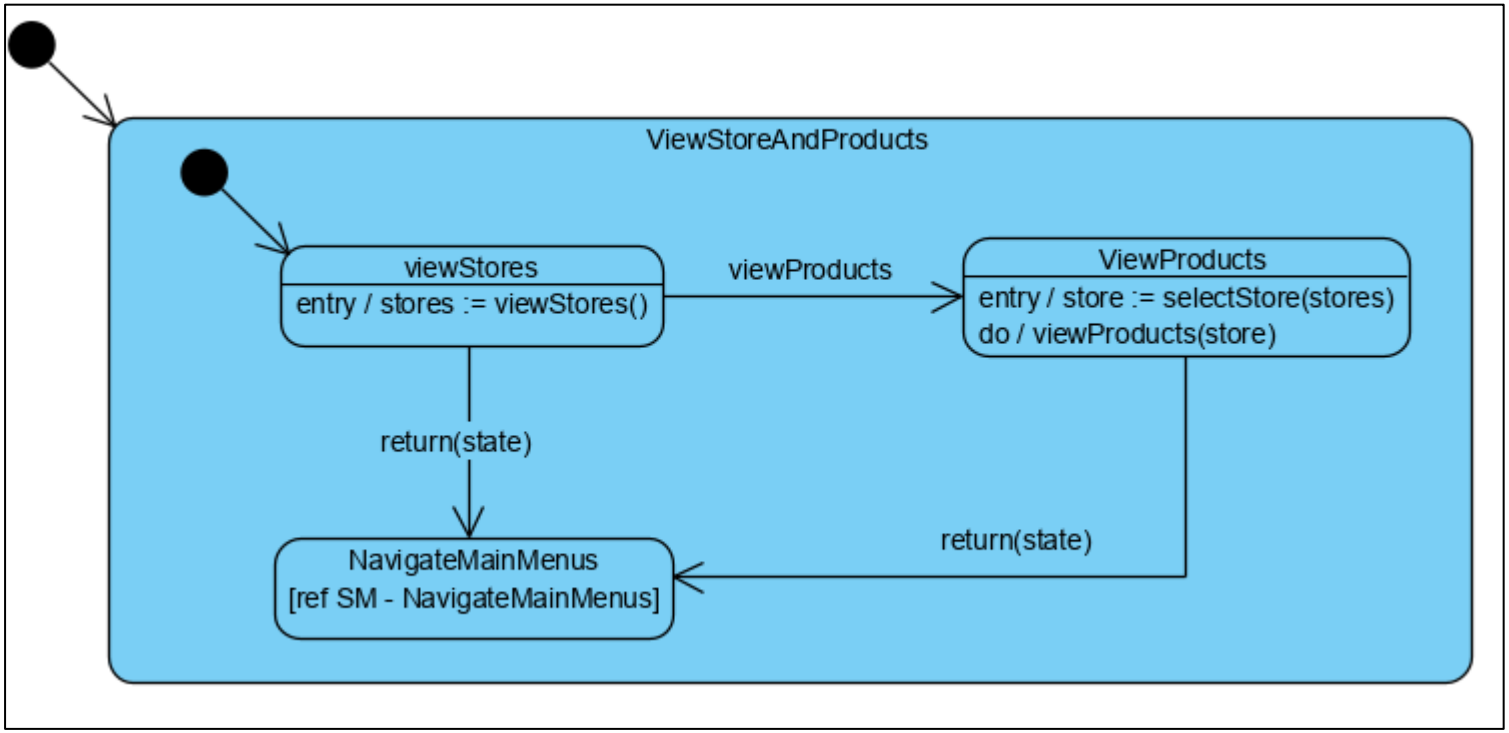
2.2 Register


Register
return
registerFail
[!valid]\printFailMessage
register
entry / userName, password := getData()
do / valid :=register(userName,password)
[valid]\navigate(state)
return(state)
login
[ref - SM - 2.3 - login]
NavigateMainMenus
[ref - SM - NavigateMainMenus]

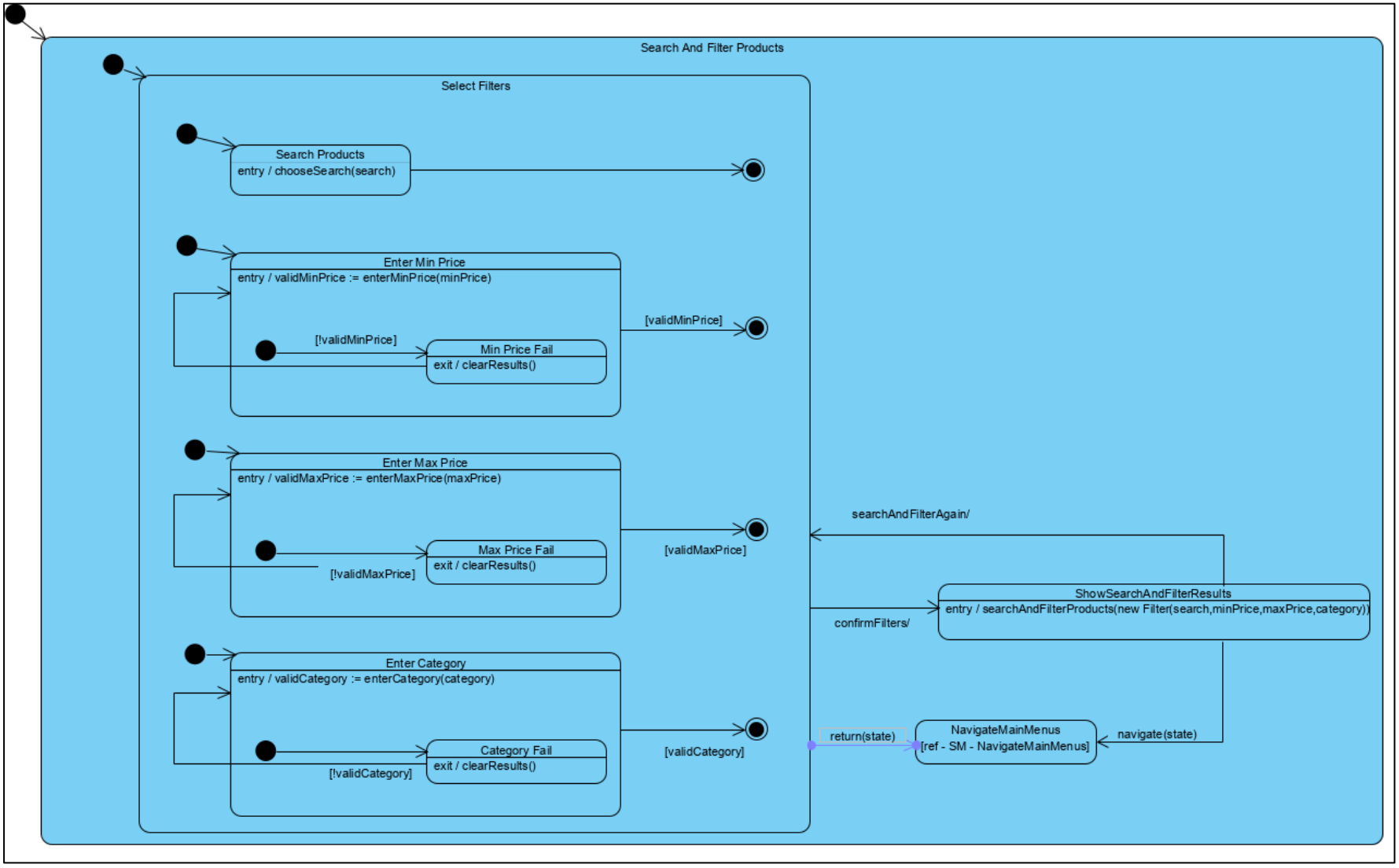
2.3 Login


Login
return
loginFail
[!valid]/printFailMessage
login
entry / userName, password := getData()
do / valid := login(userName, password)
[valid]/navigate(state)
return(state)
NavigateMainMenus
[ref - SM - NavigateMainMenus]
NavigateMainMenus
[ref - SM - NavigateMainMenus]

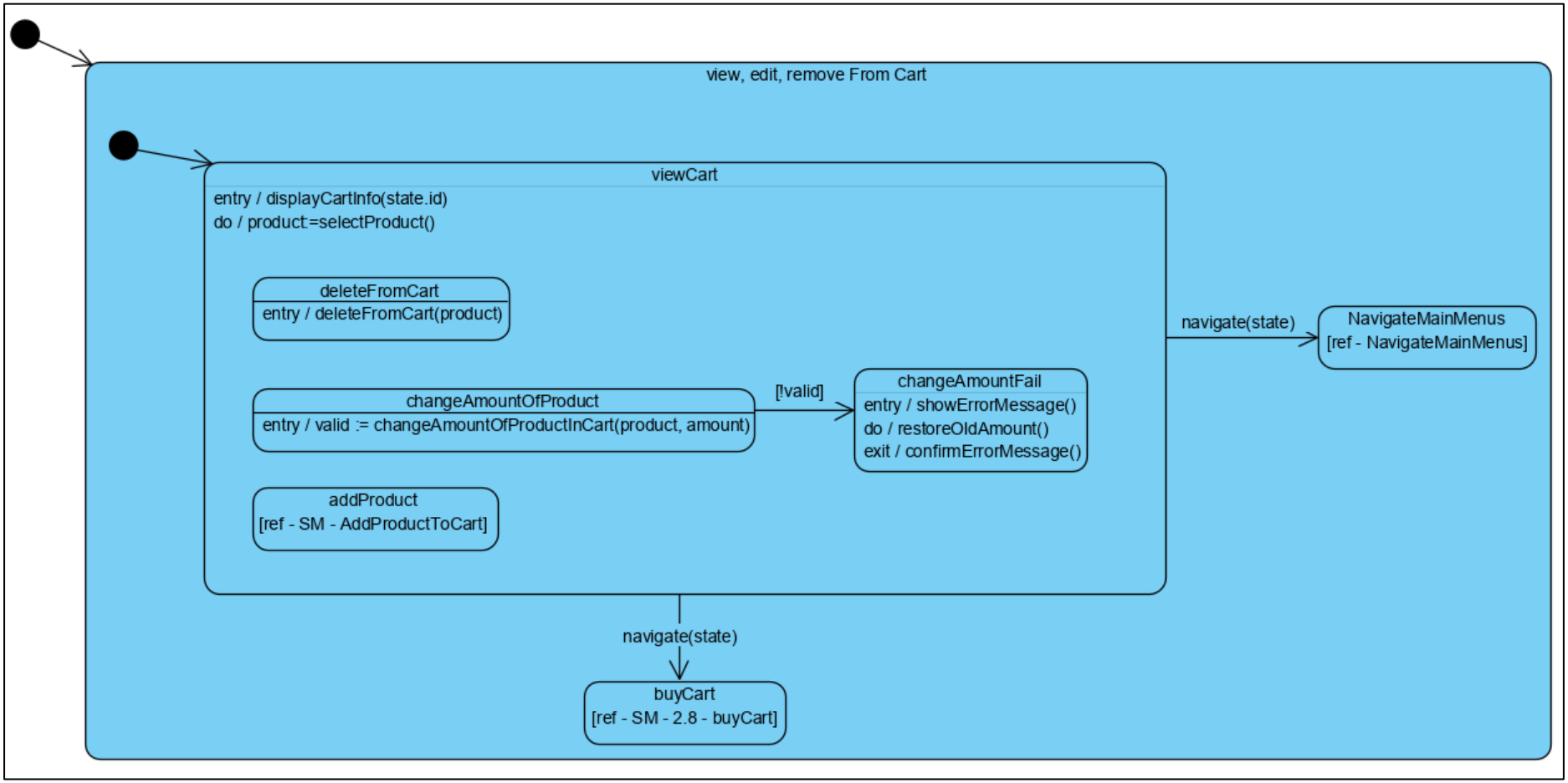
2.4 View stores and products



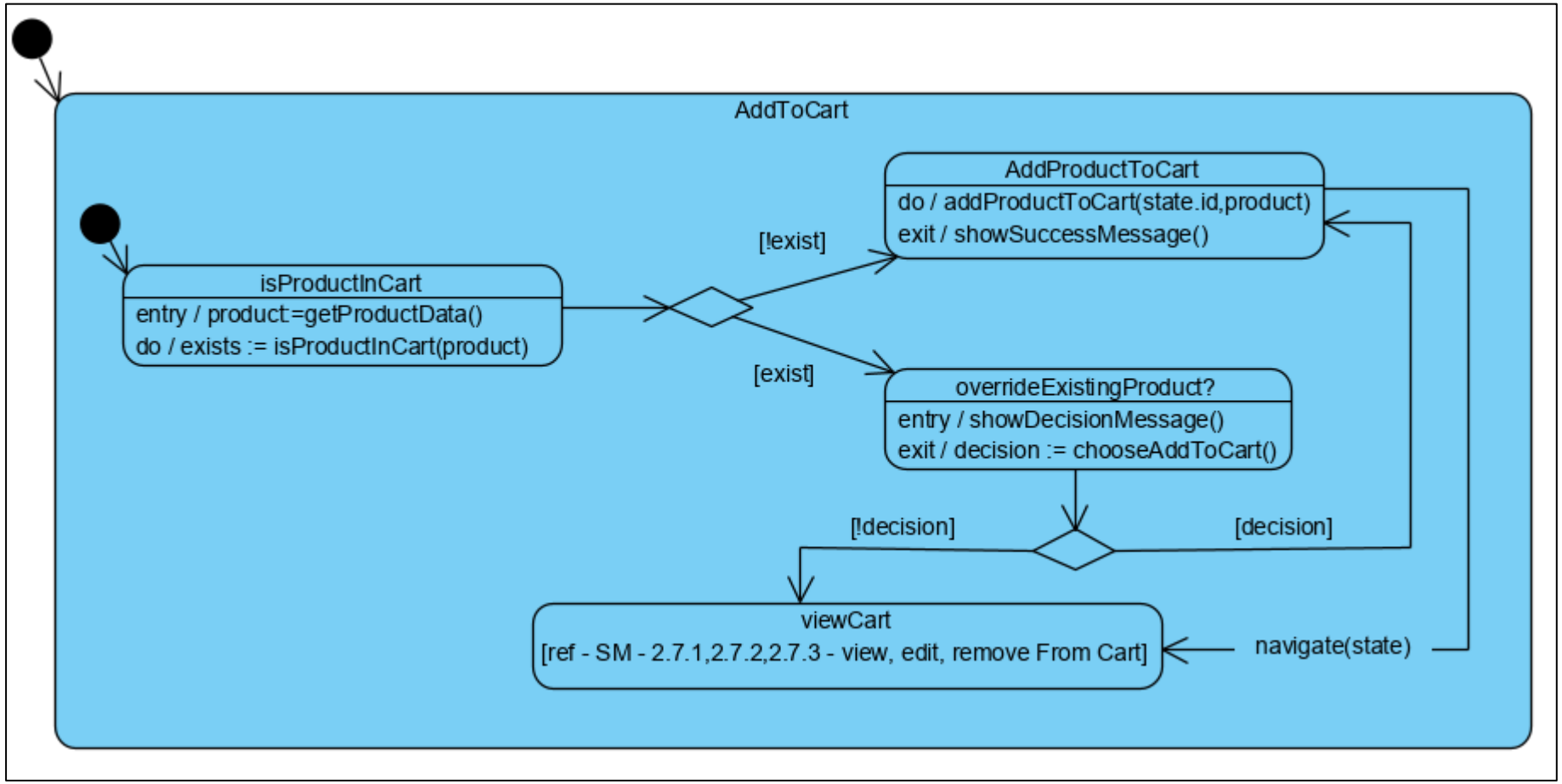
2.5 Search and filter products



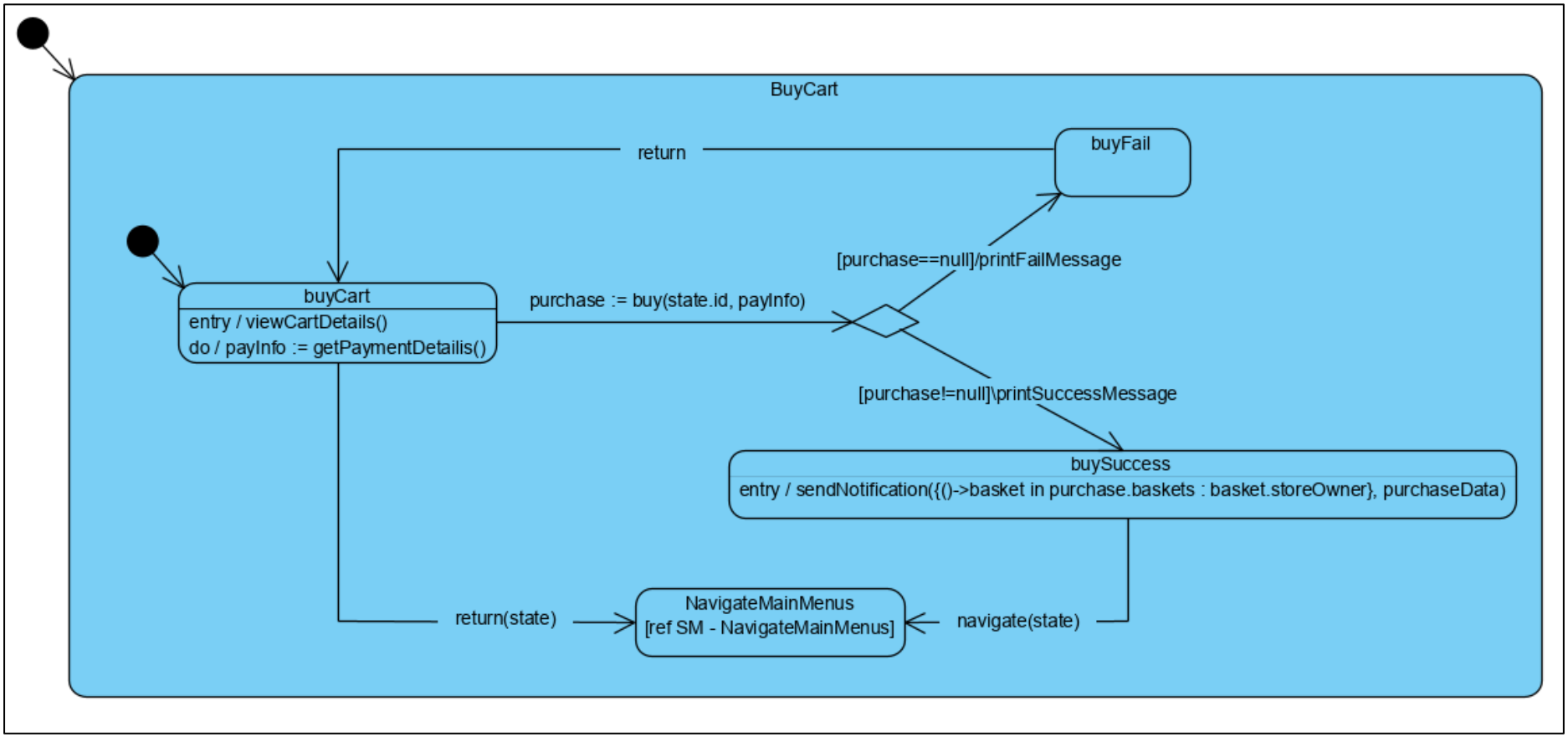
2.7.1 & 2.7.2 & 2.7.3 view, edit remove from cart



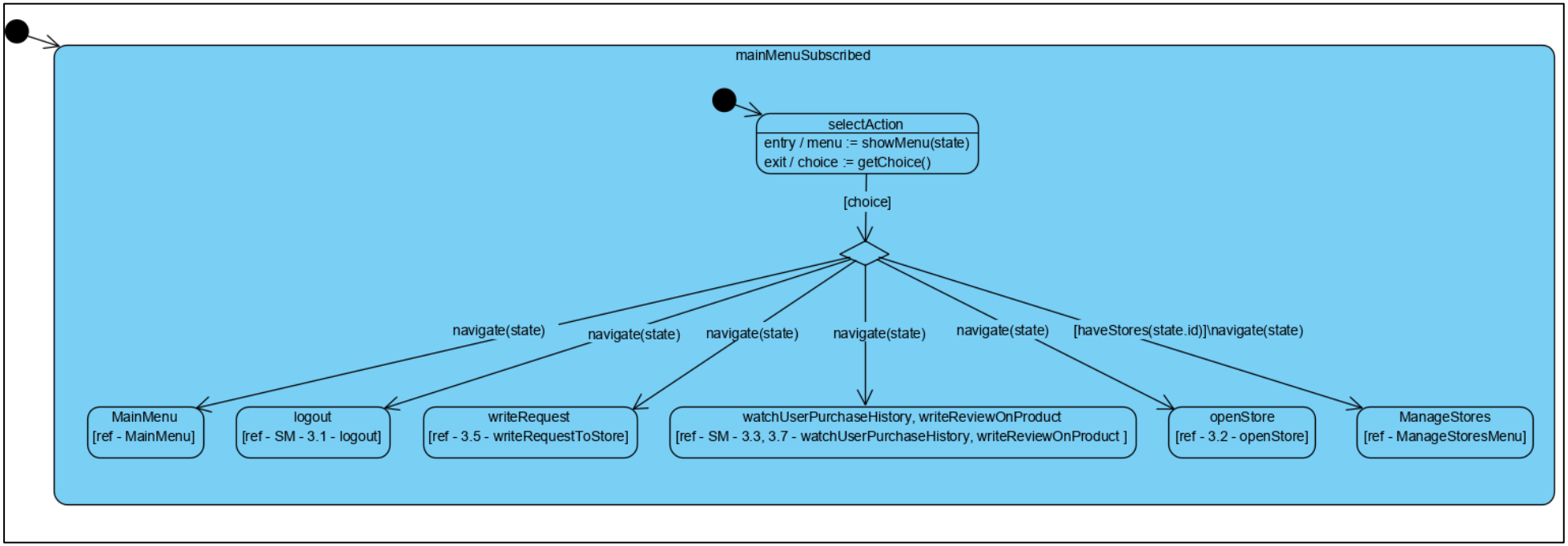
2.7.4 Add product to cart



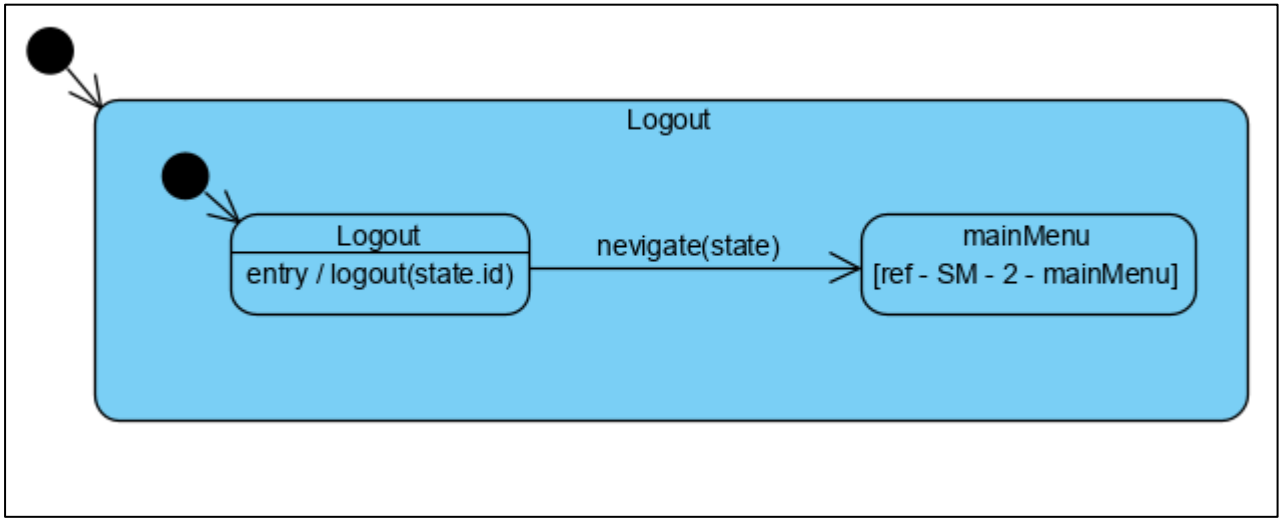
2.8 Buy cart


BuyCart
return
buyFail
[purchase==null]/printFailMessage
buyCart
entry / viewCartDetails()
do / payInfo := getPaymentDetailis()
purchase := buy(state.id, payInfo)
[purchase!=null]\printSuccessMessage
buySuccess
entry / sendNotification({()->basket in purchase.baskets : basket.storeOwner}, purchaseData)
return(state)
NavigateMainMenus
[ref SM - NavigateMainMenus]
navigate(state)

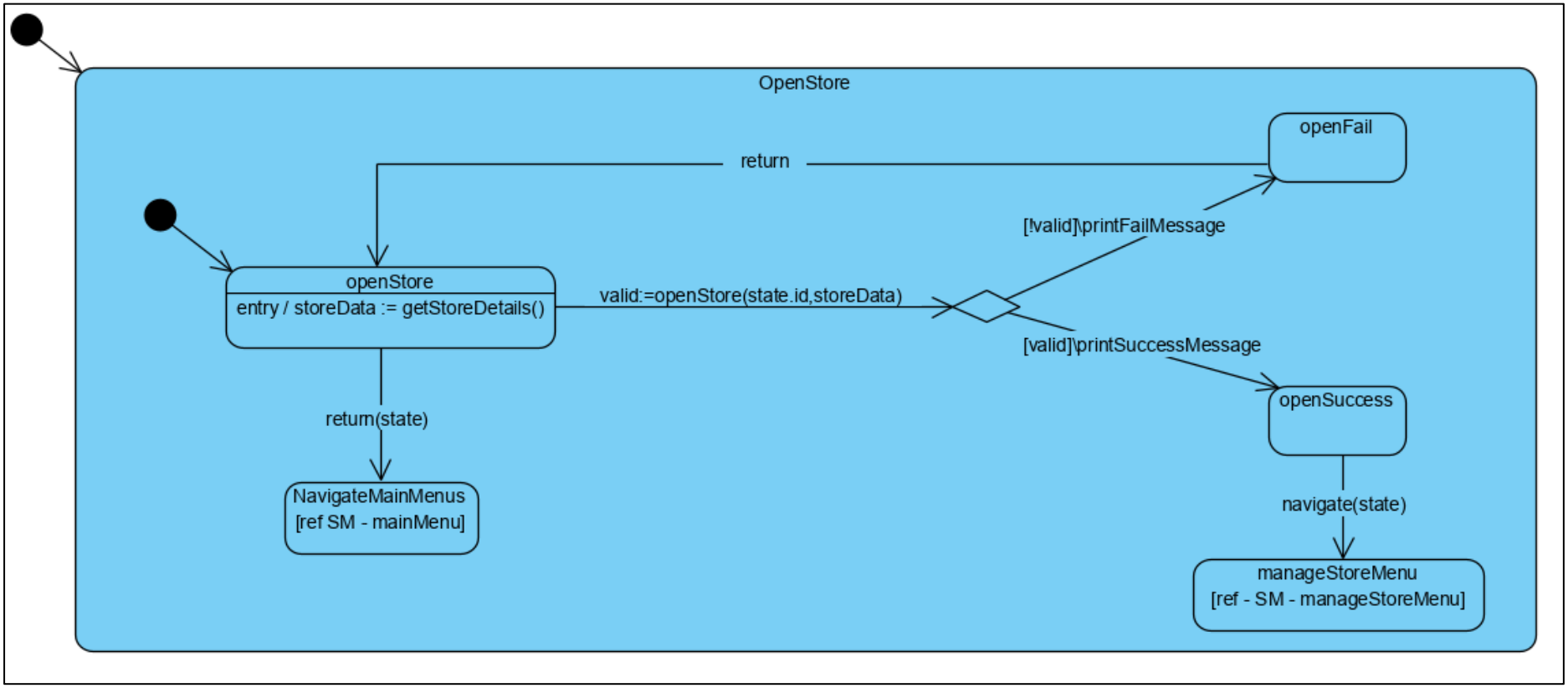
3. Subscribe menu



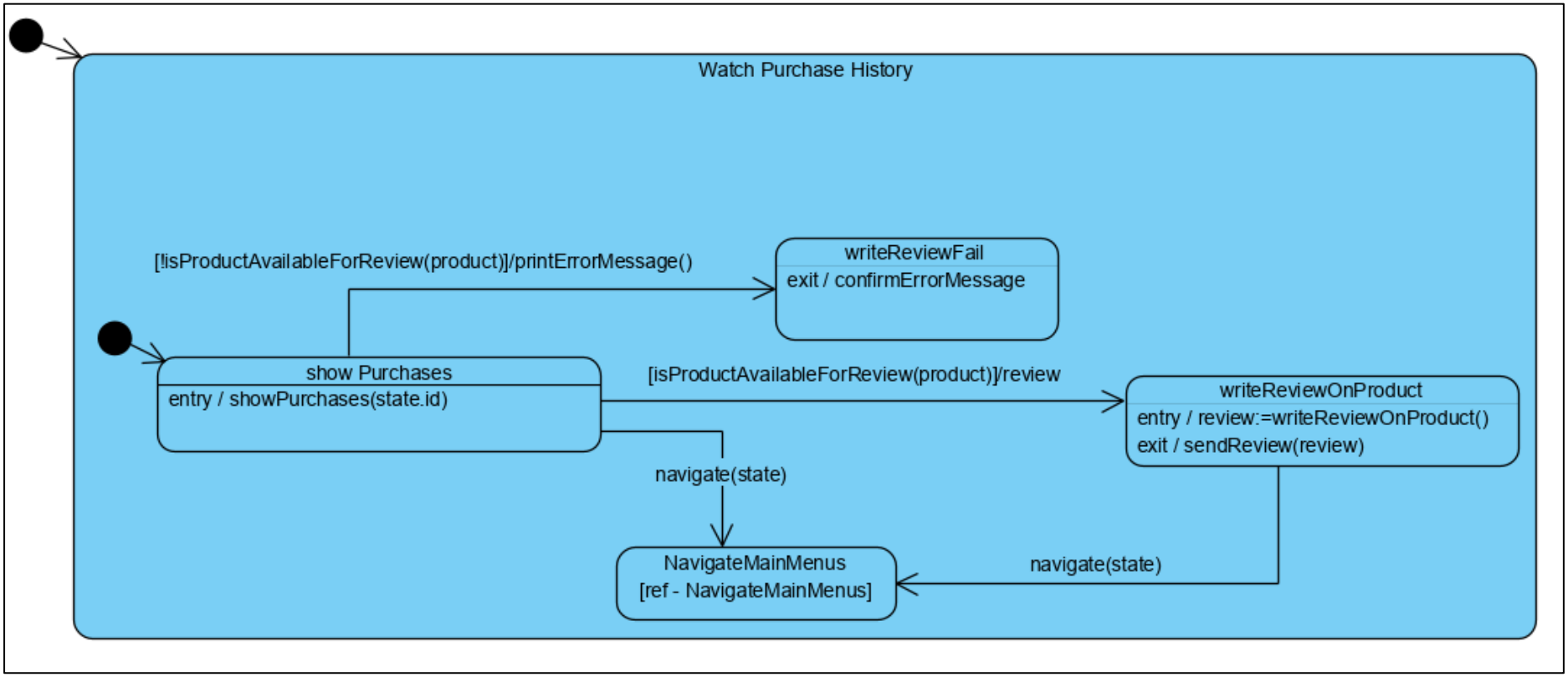
3.1 Logout


Logout
Logout
entry / logout(state.id)
nevigate(state)
mainMenu
[ref - SM - 2 - mainMenu]

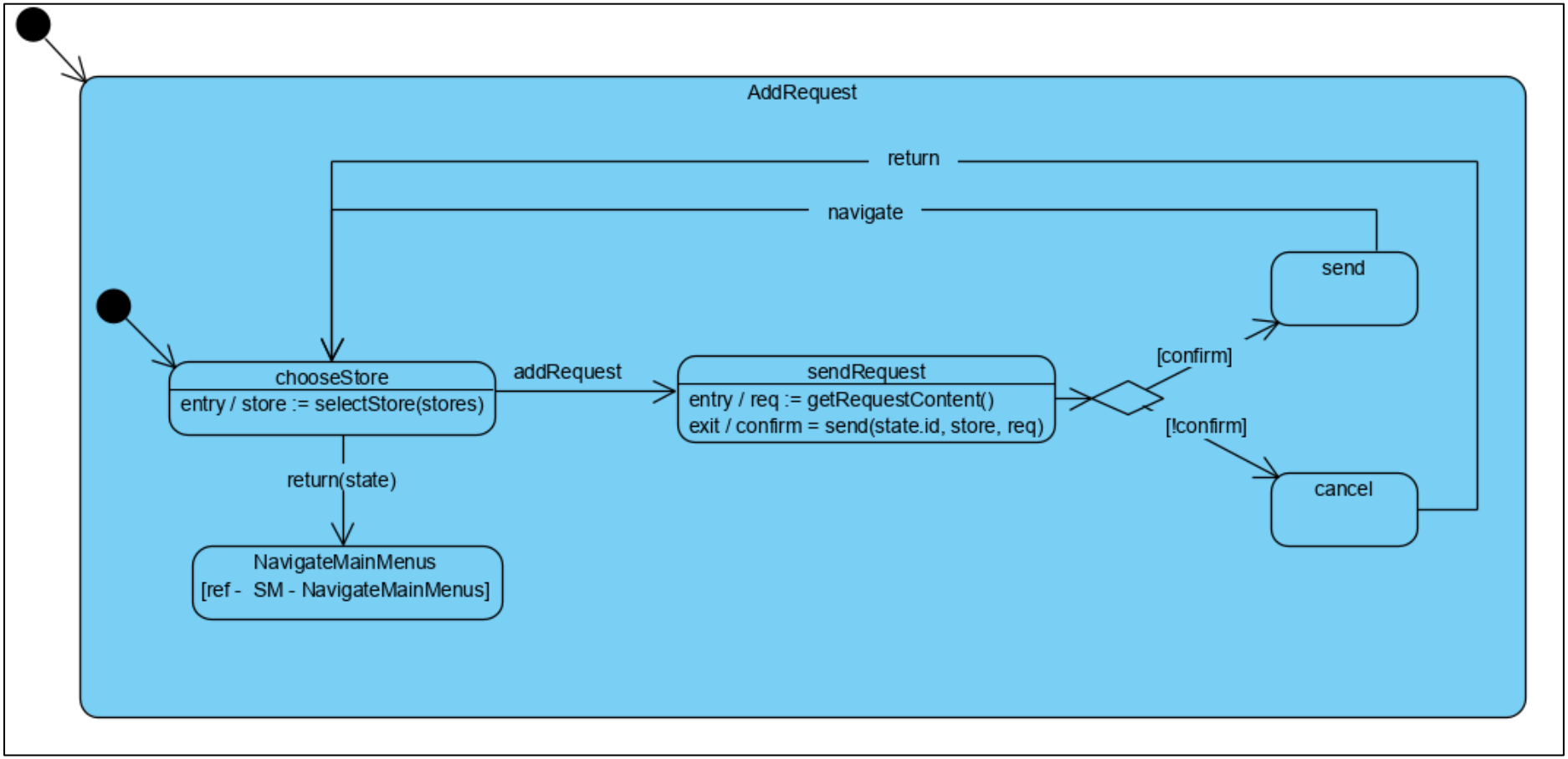
3.2 Open store



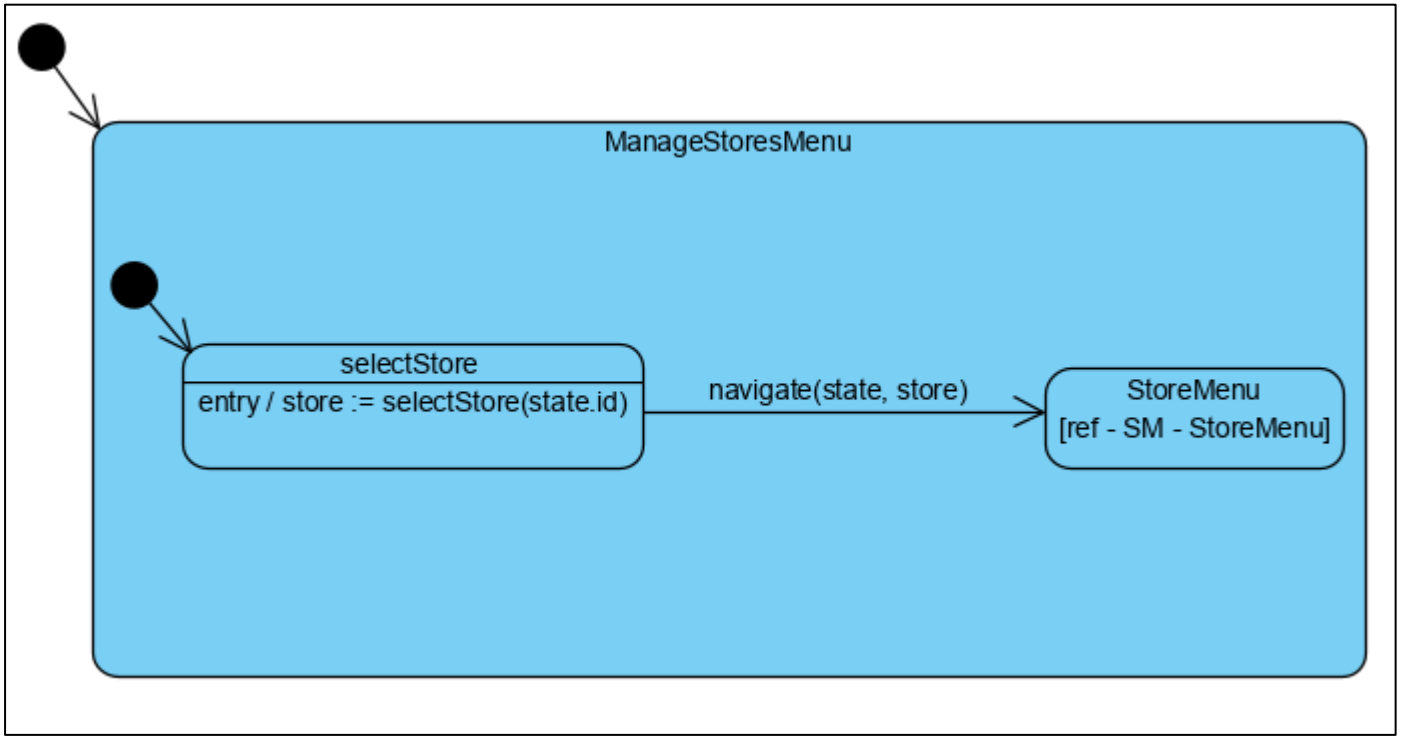
3.3 & 3.7 Watch purchase history & Write review



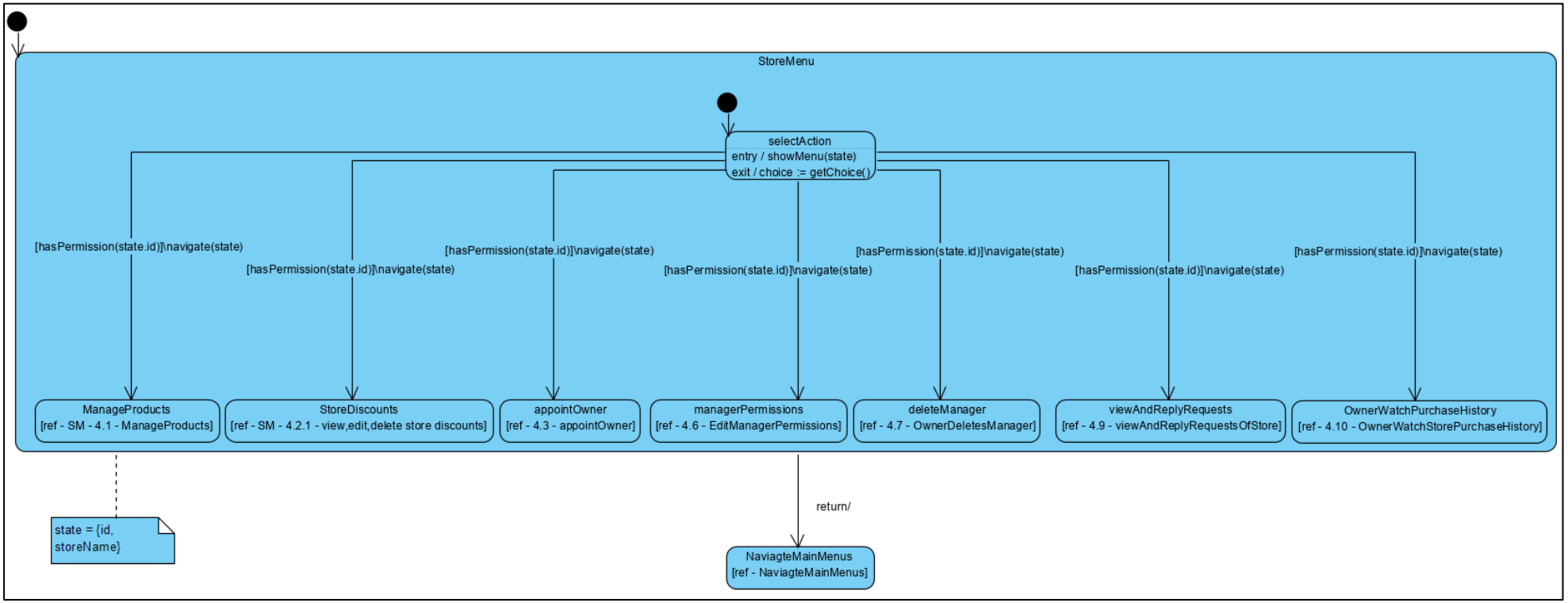
3.5 Add request



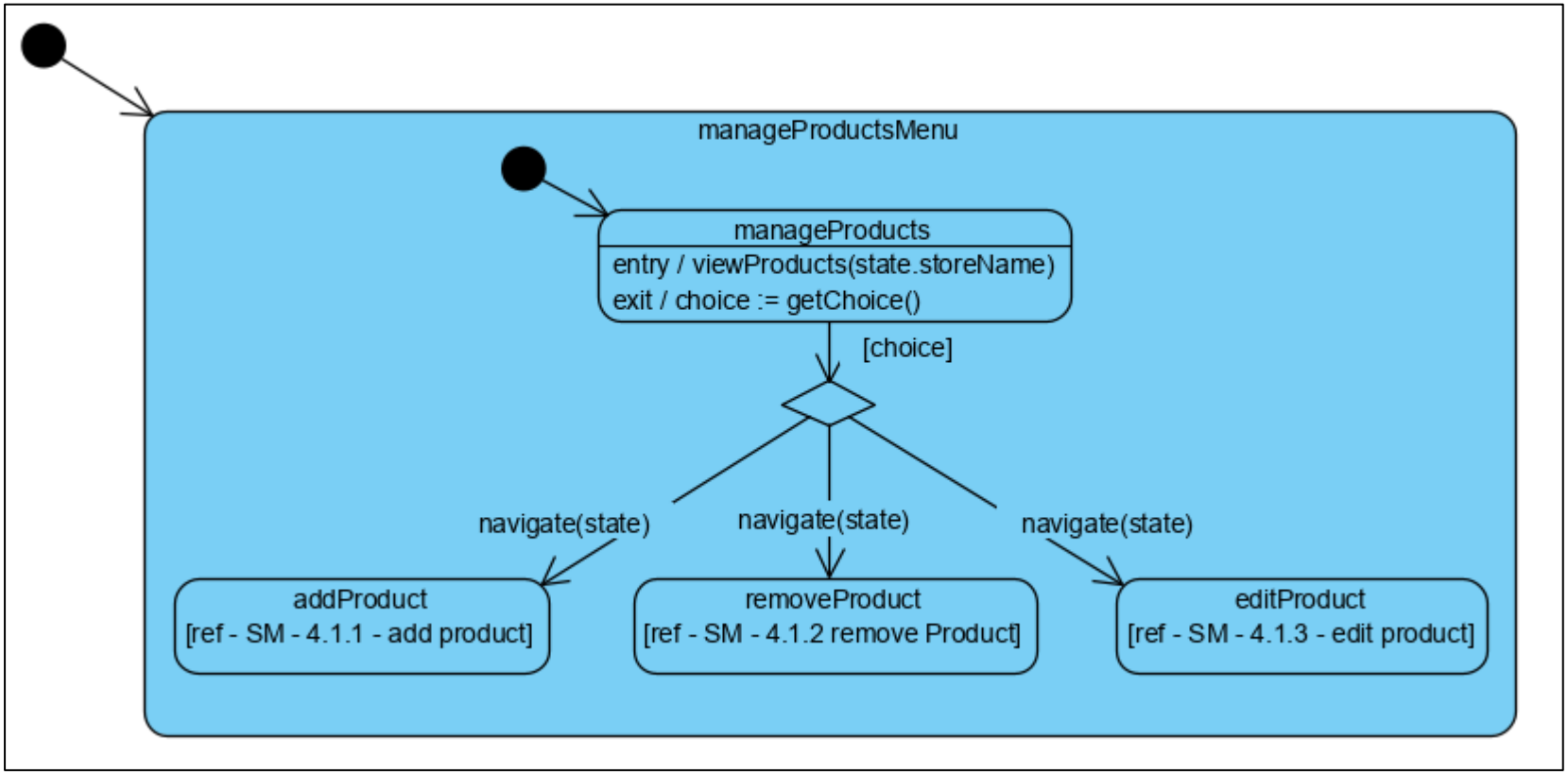
4.0.1 Store management



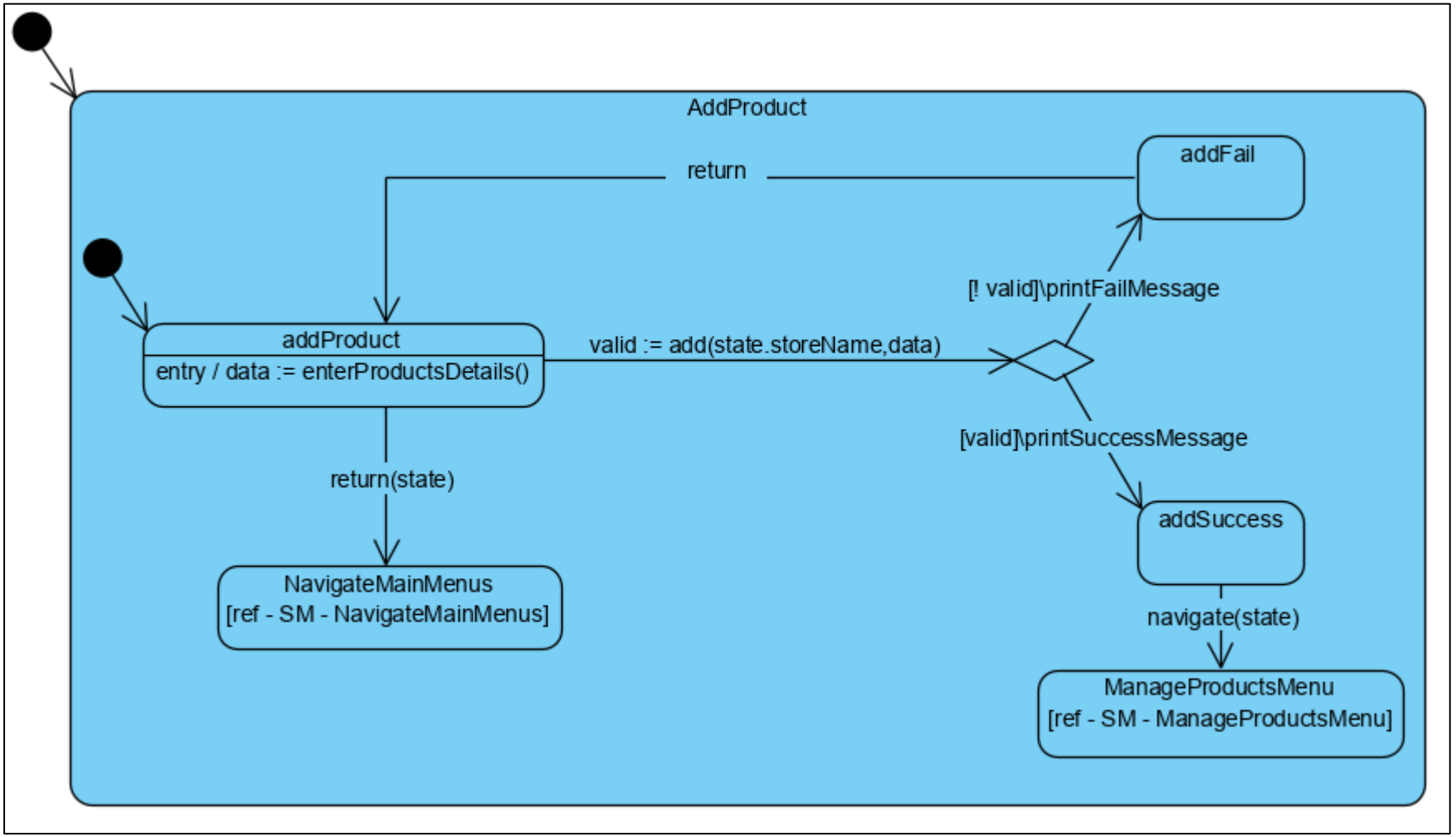
4.0.2 Store menu



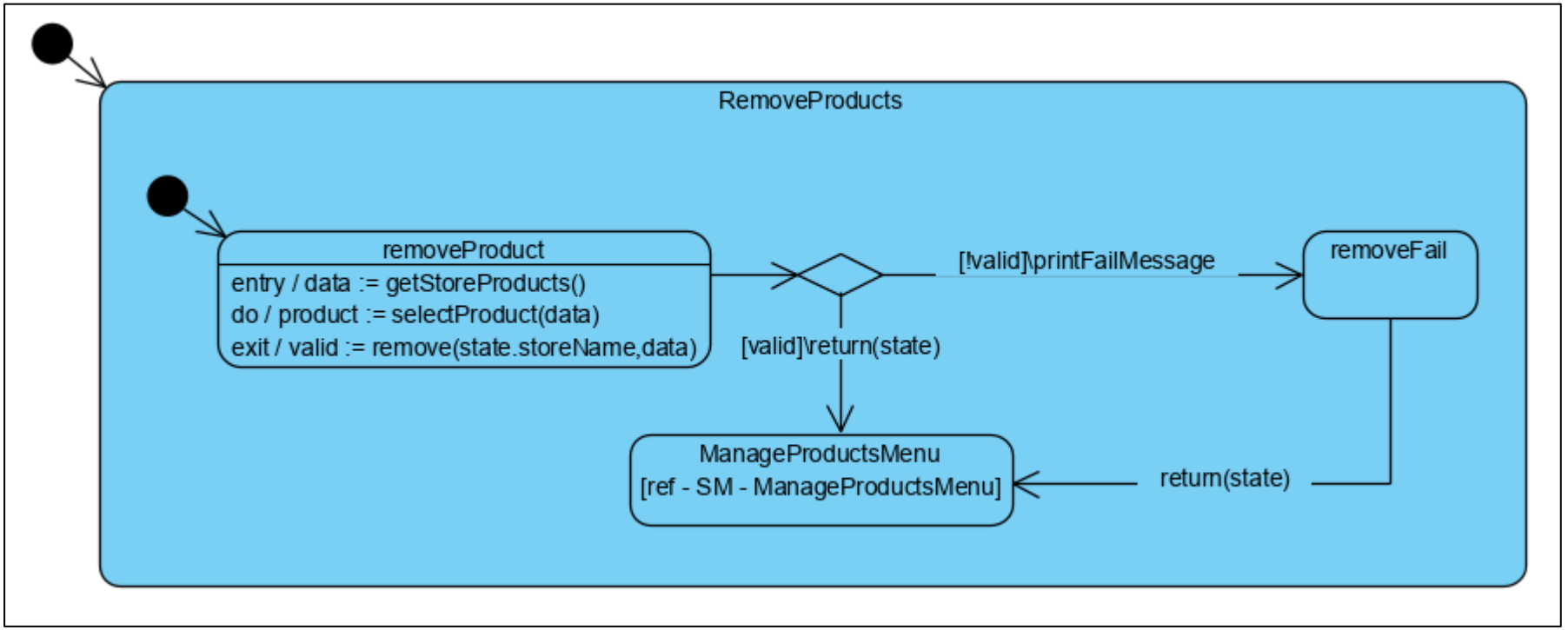
4.1 Manage products menu



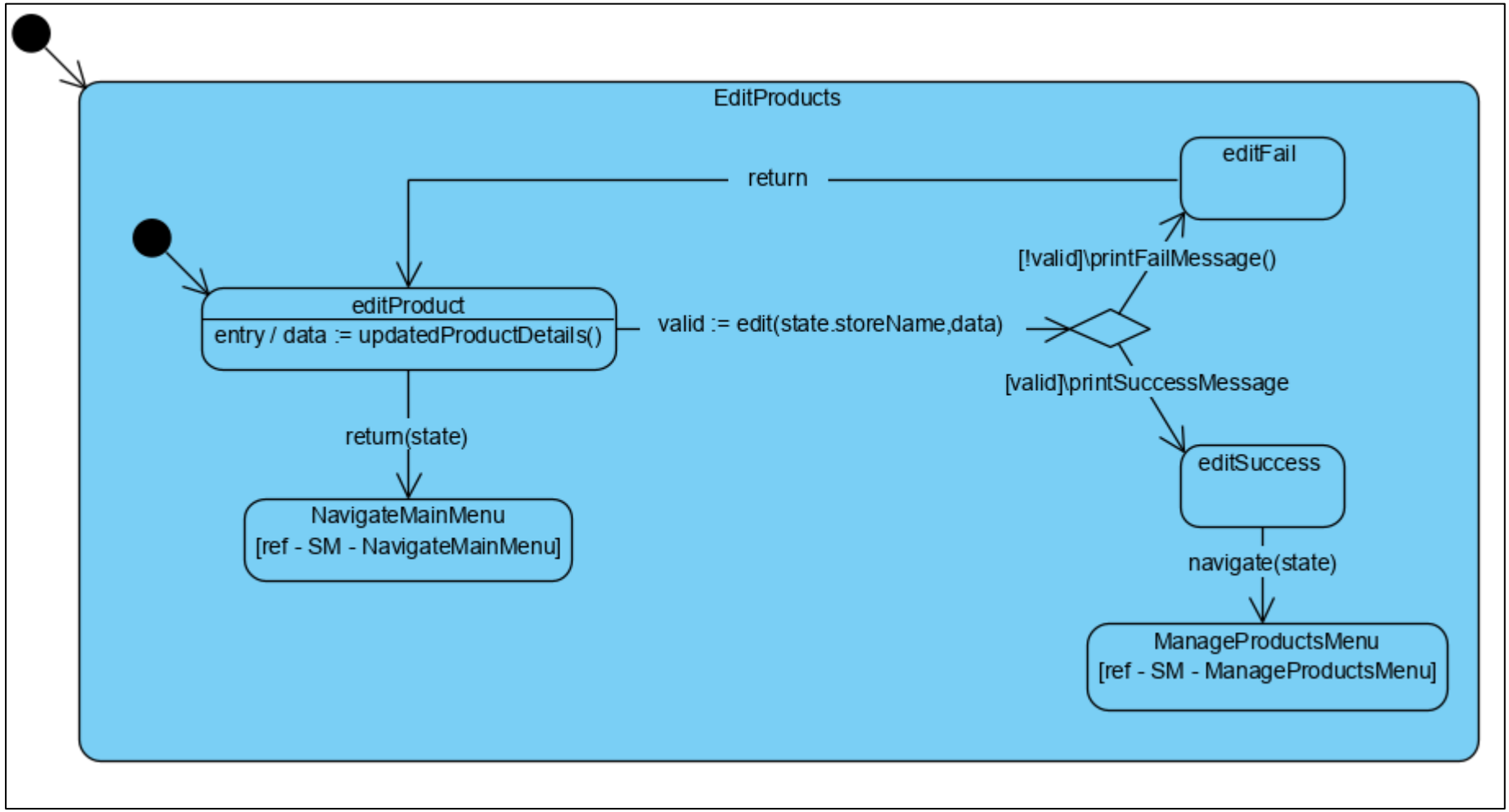
4.1.1 Add products to store



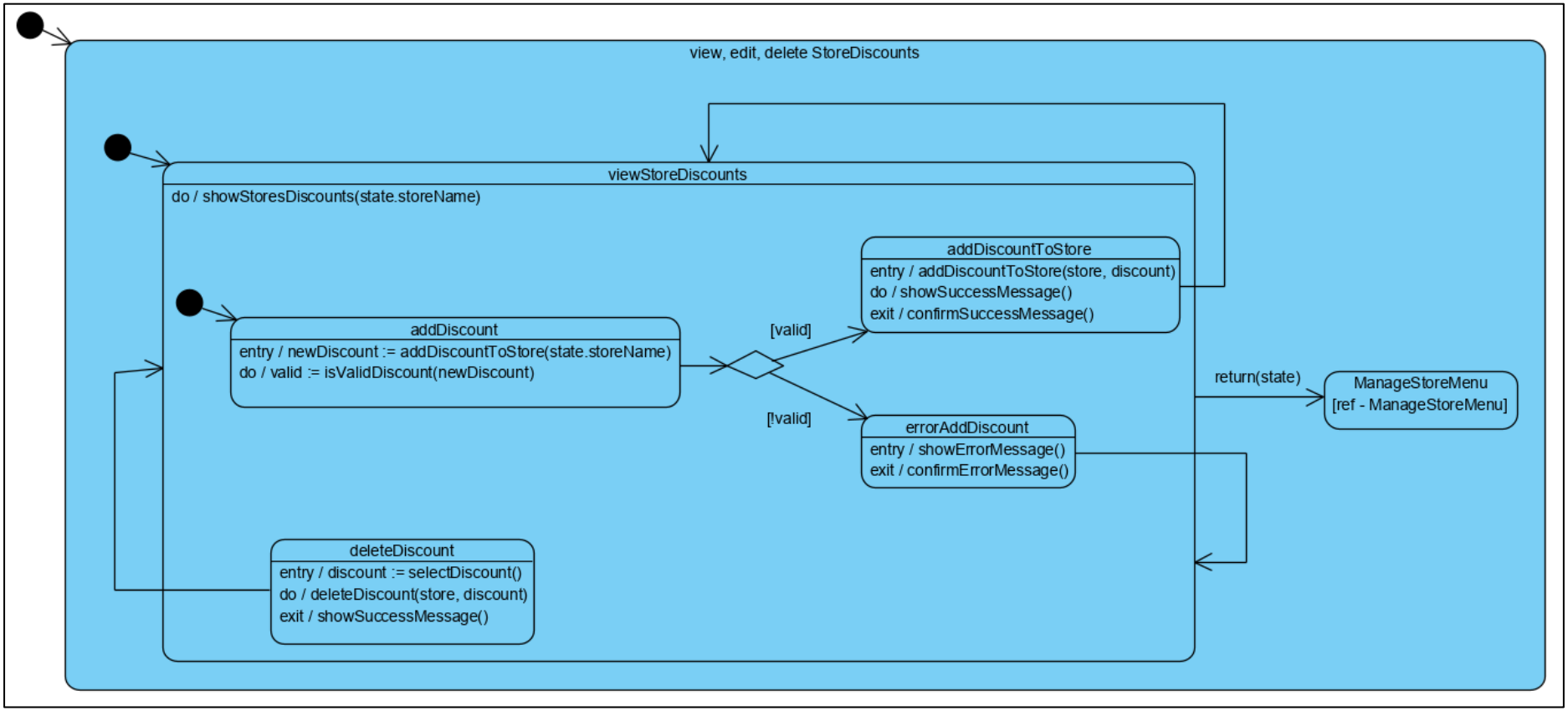
4.1.2 Remove products from store



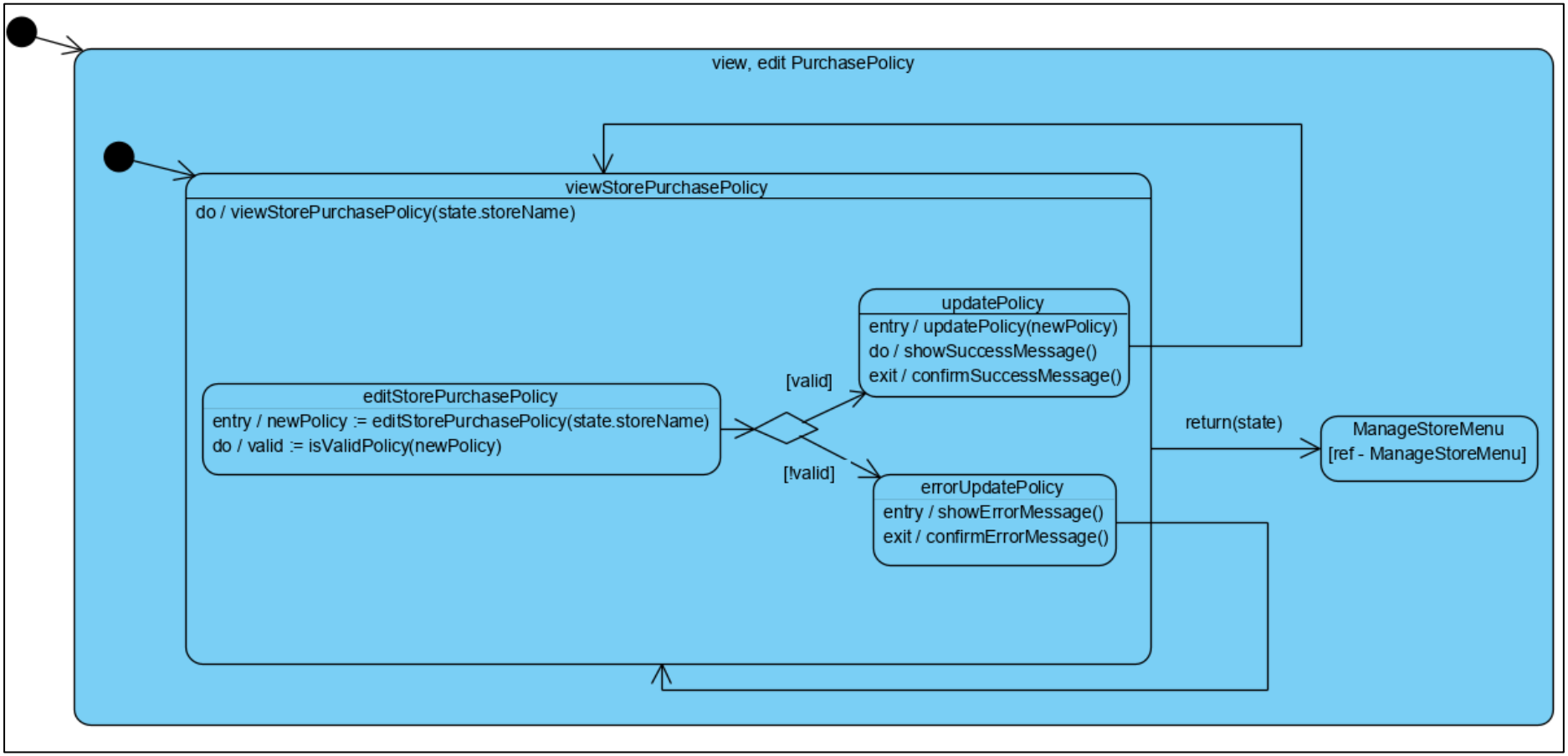
4.1.3 Edit product in store



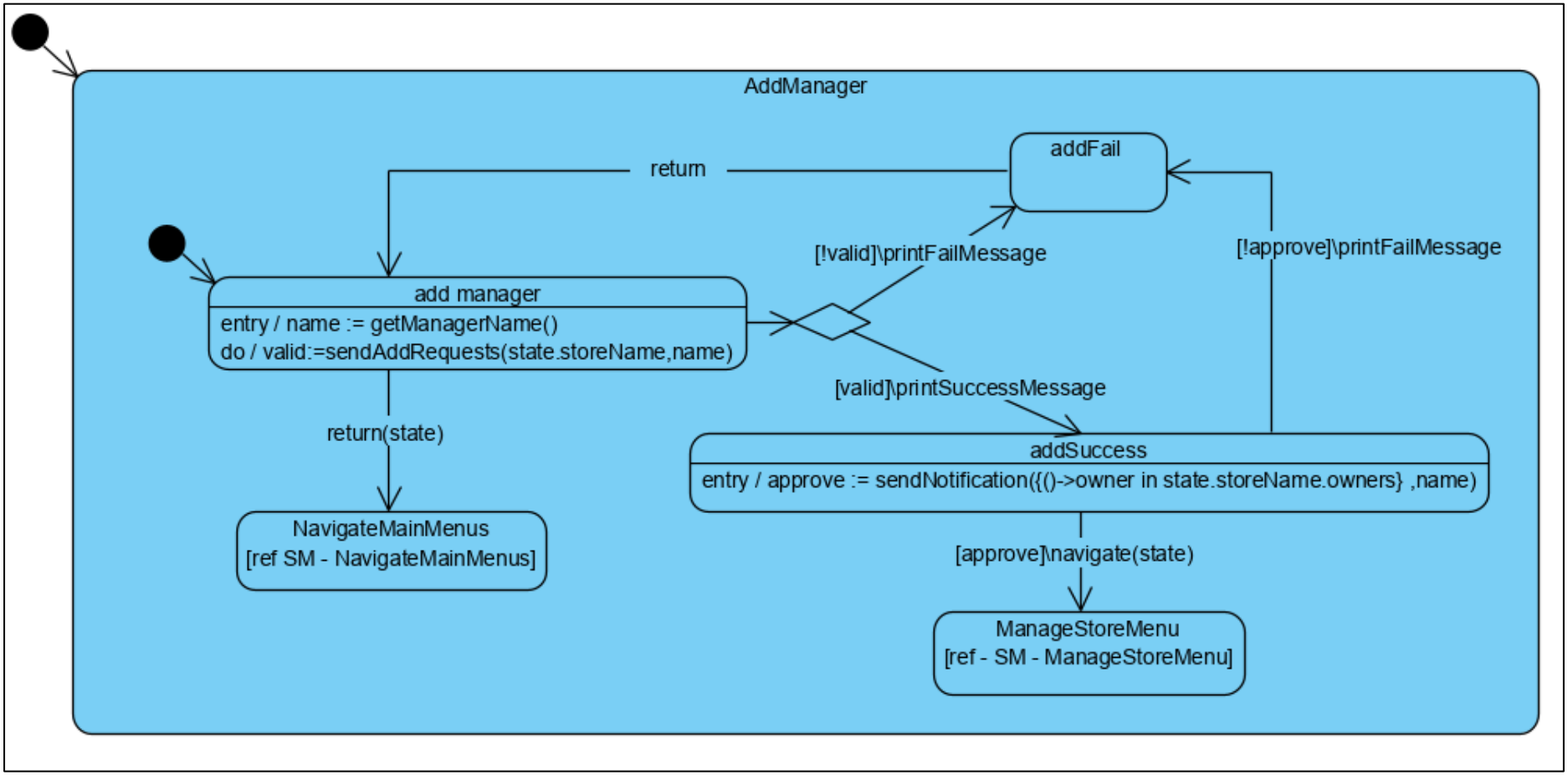
4.2.1 View edit delete store discount



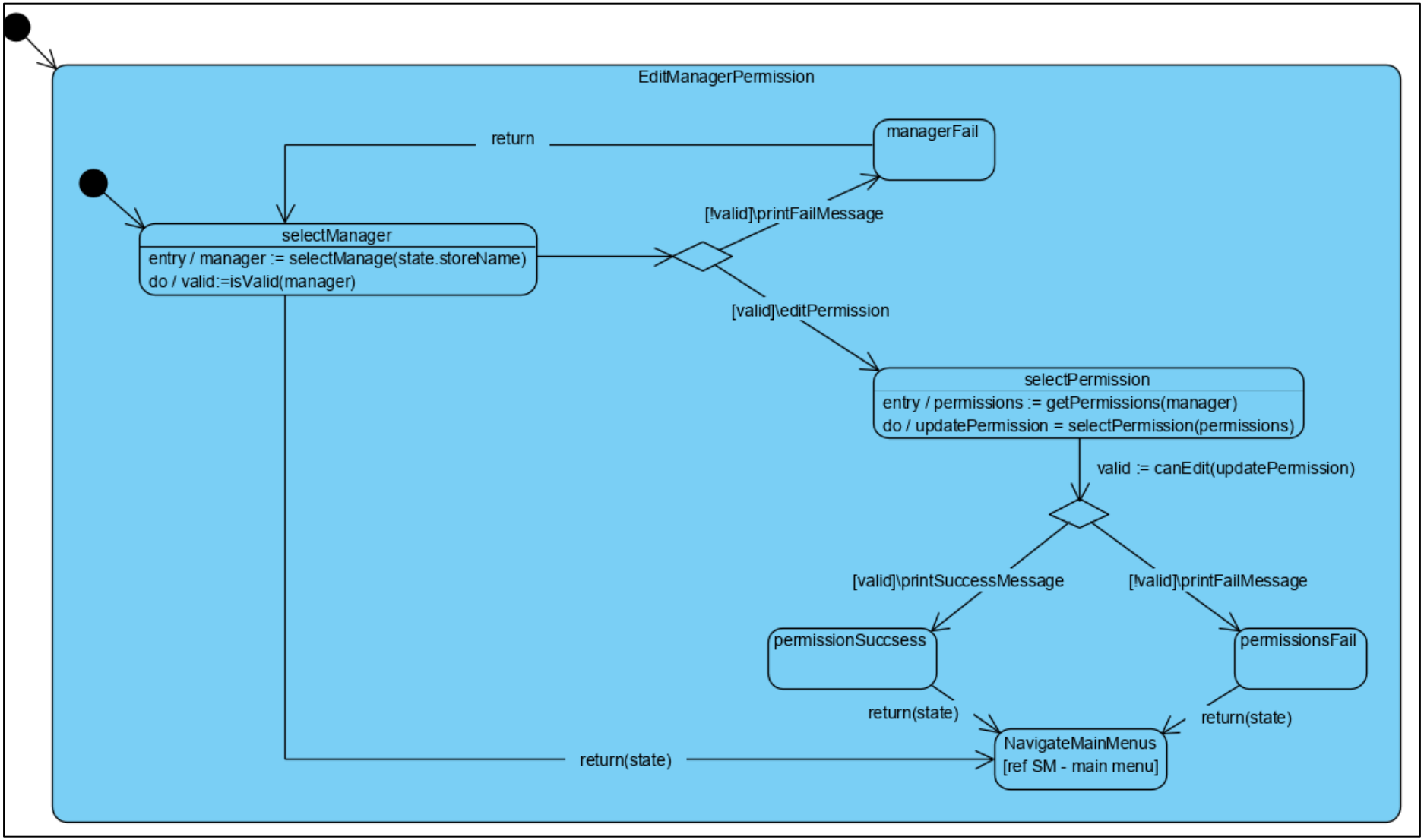
4.2.2 View edit purchase policy



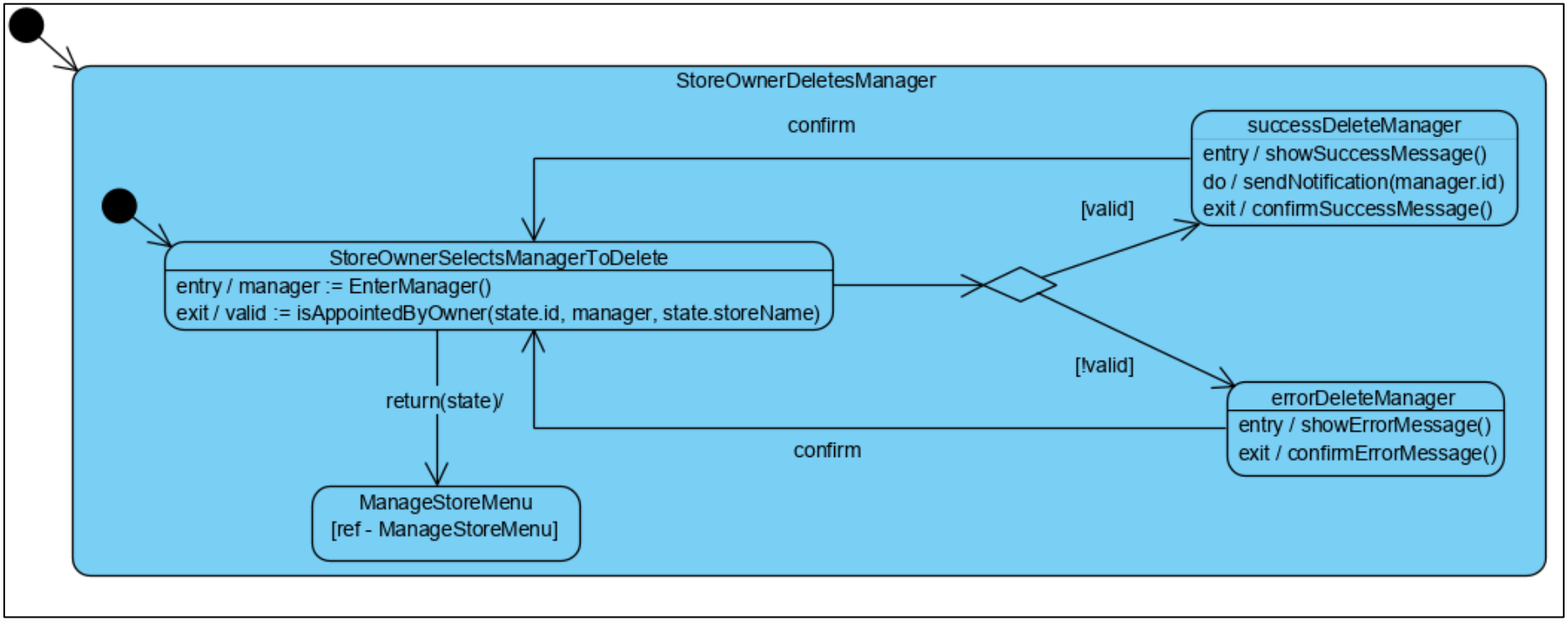
4.3 Add manager



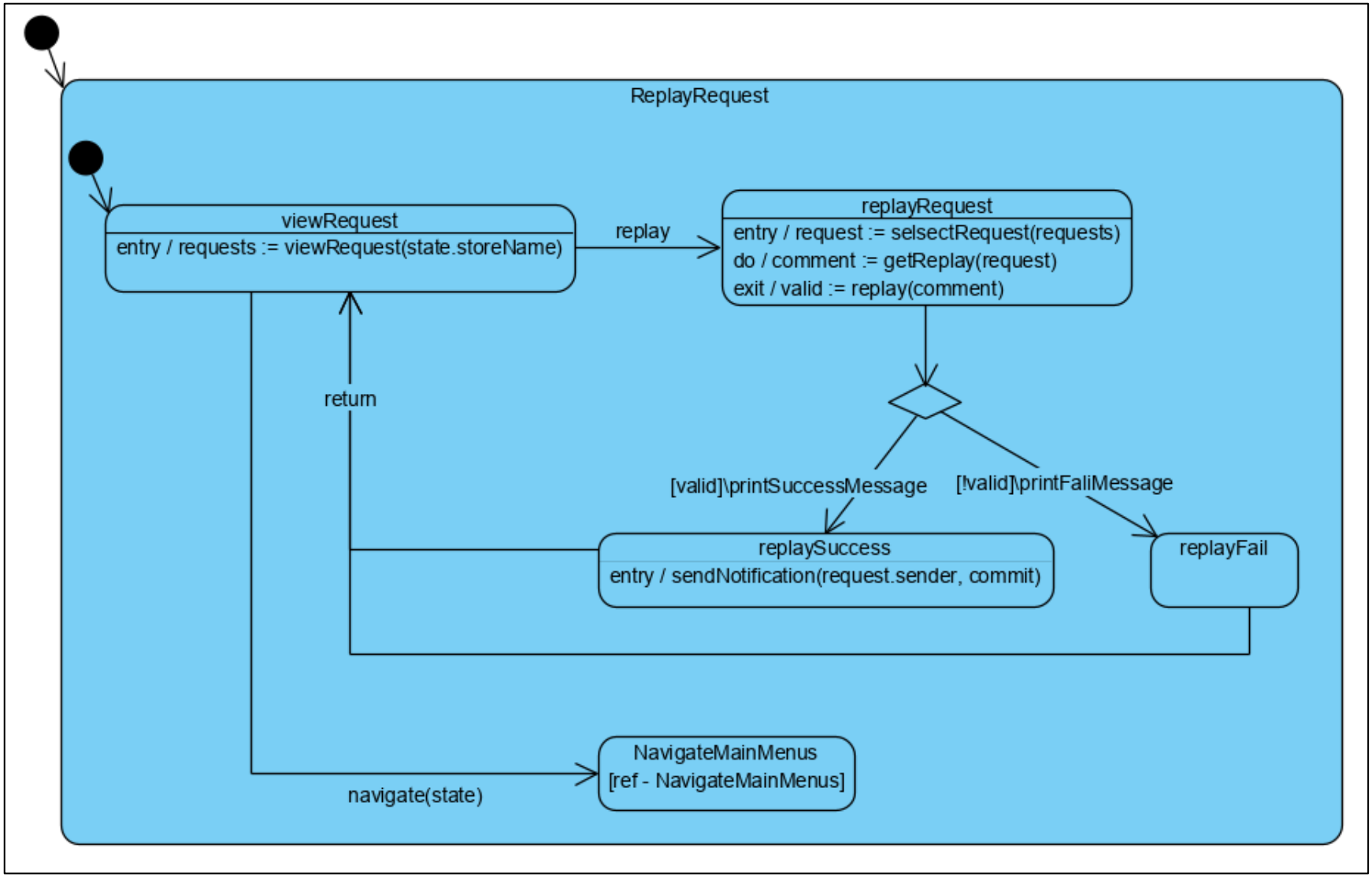
4.6 Edit manager permission



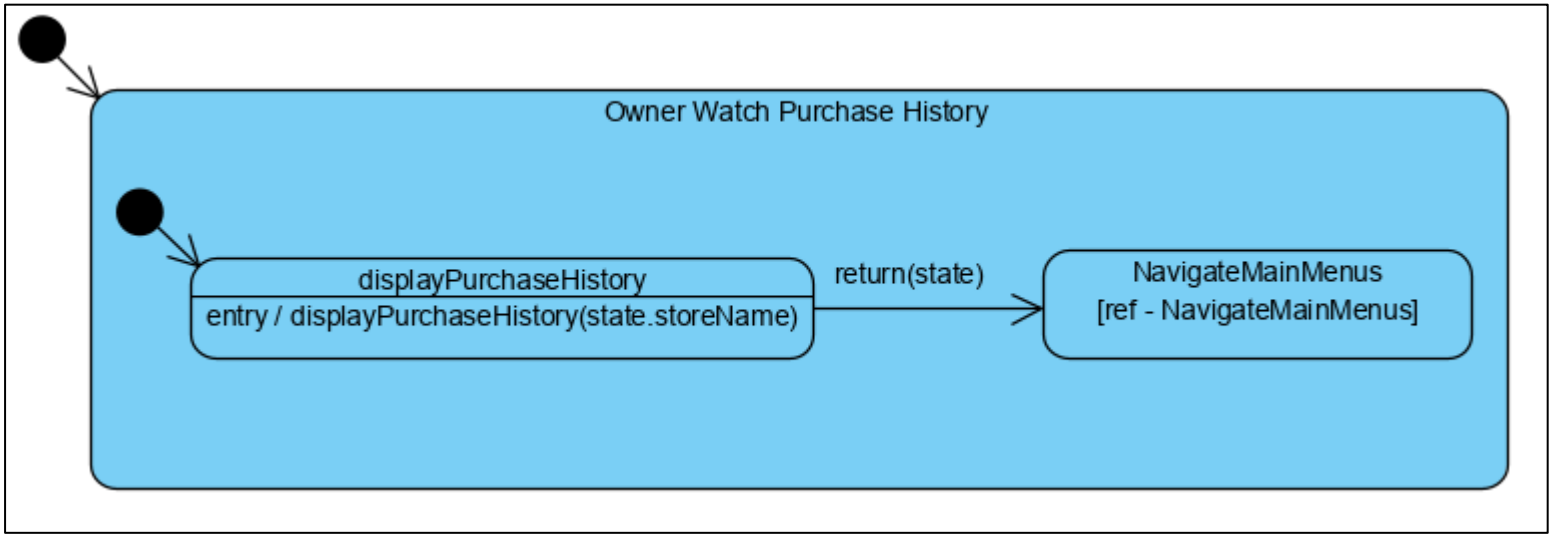
4.7 Delete manager



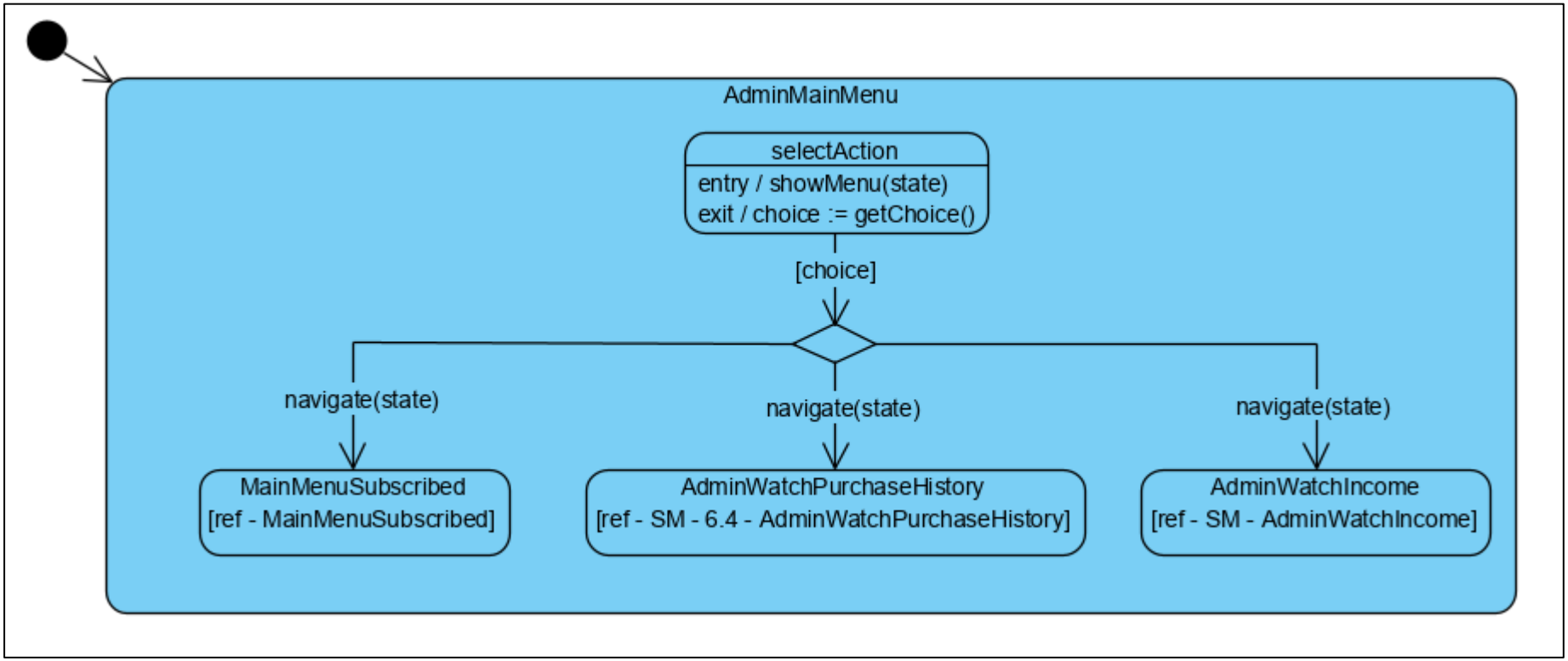
4.9 Replay request



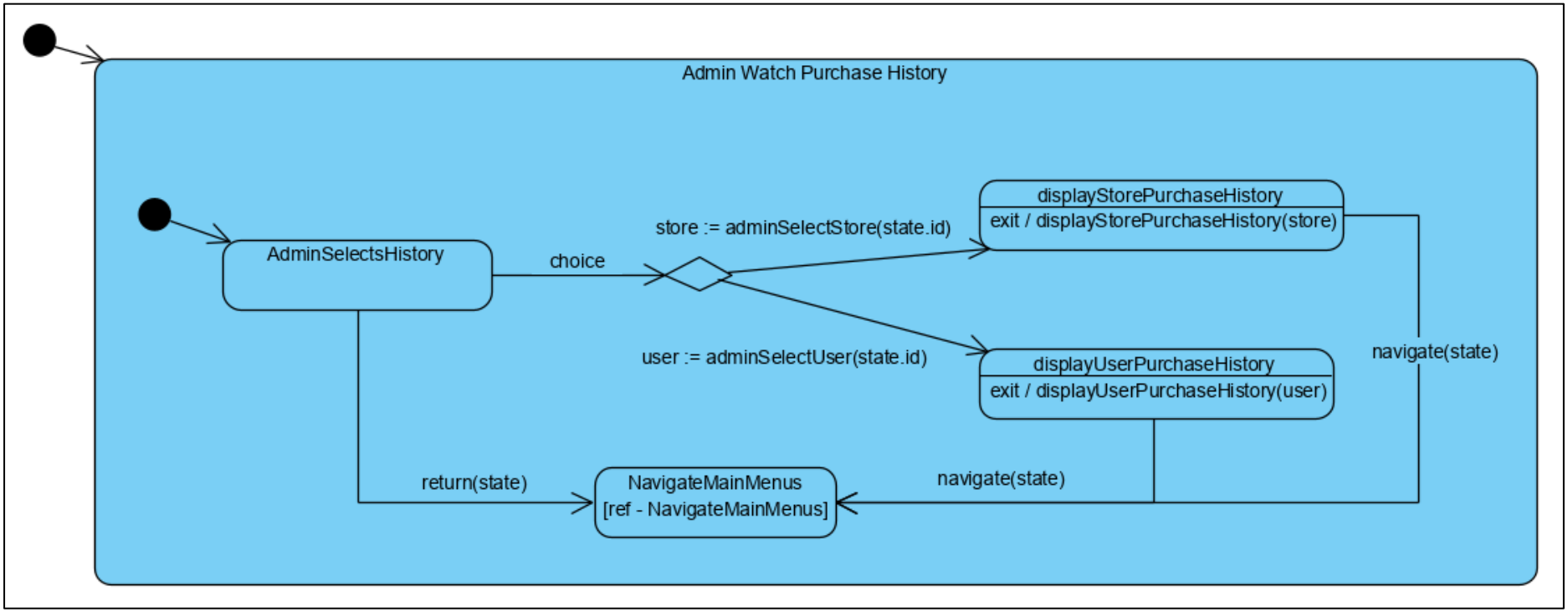
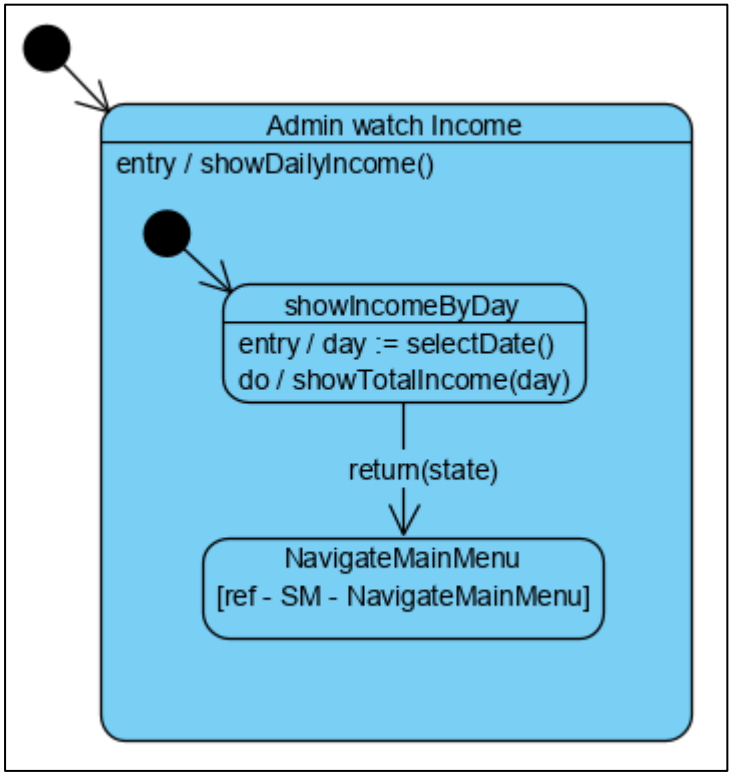
4.10 Owner watch purchase history



6 - Admin Menu


AdminMainMenu
selectAction
entry / showMenu(state)
exit / choice := getChoice()
[choice]
navigate(state)
navigate(state)
navigate(state)
MainMenuSubscribed
[ref - MainMenuSubscribed]
AdminWatchPurchaseHistory
[ref - SM - 6.4 - AdminWatchPurchaseHistory]
AdminWatchIncome
[ref - SM - AdminWatchIncome]

6.4 Admin watch purchase history



6.6 Admin watch daily income & income by days