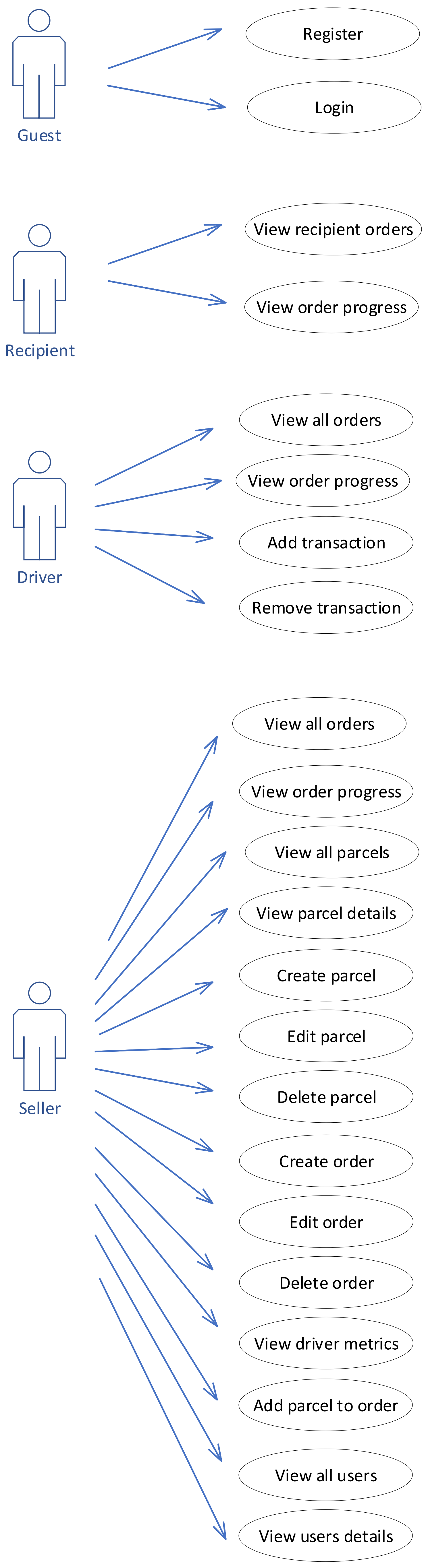
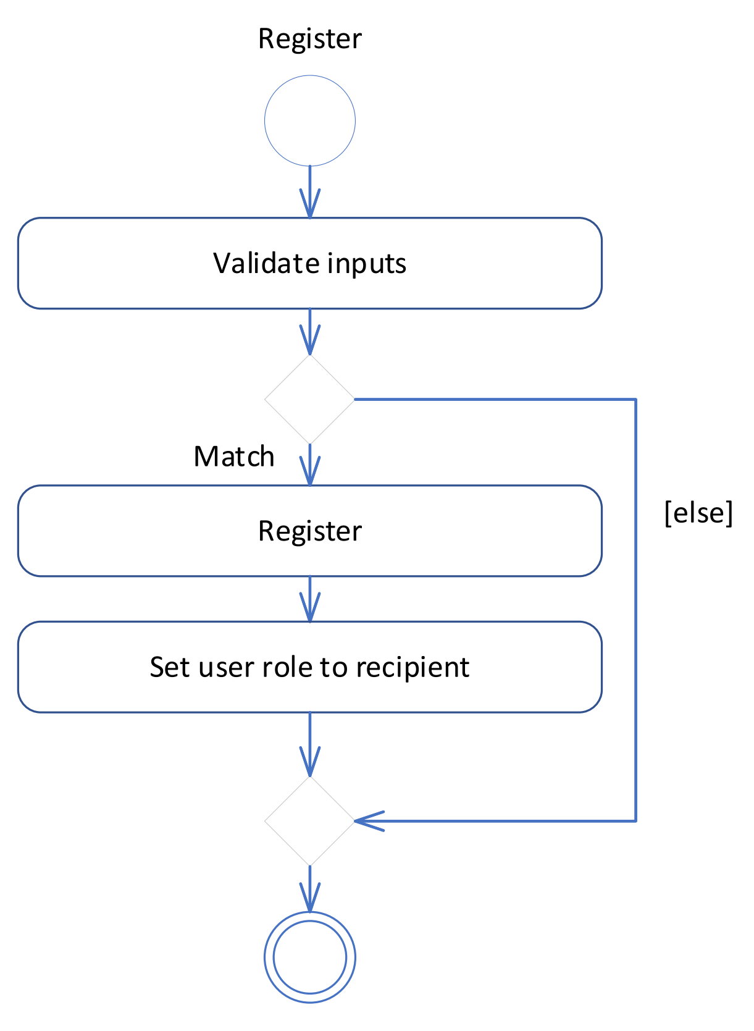
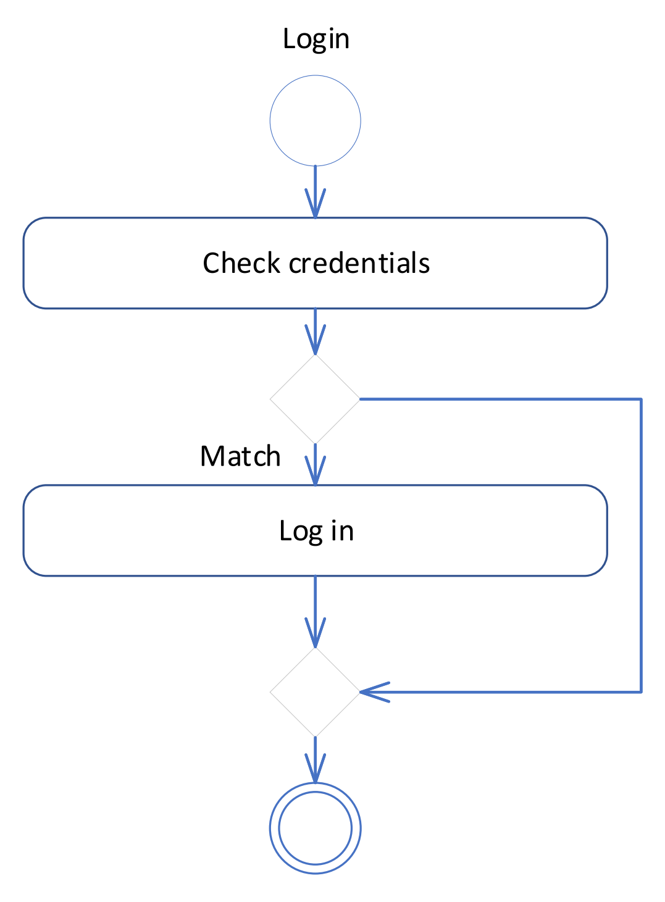
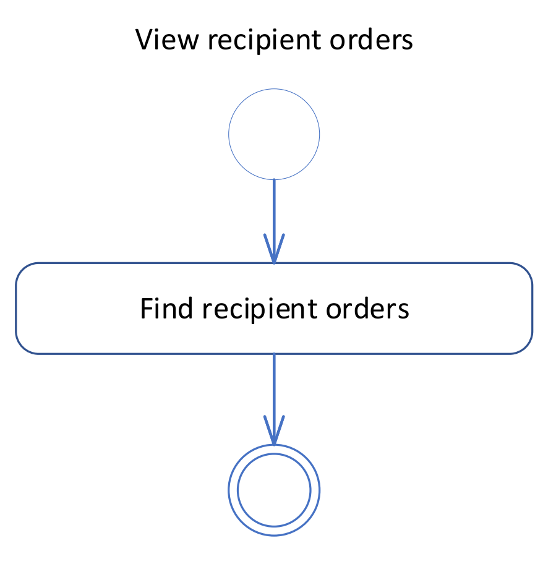
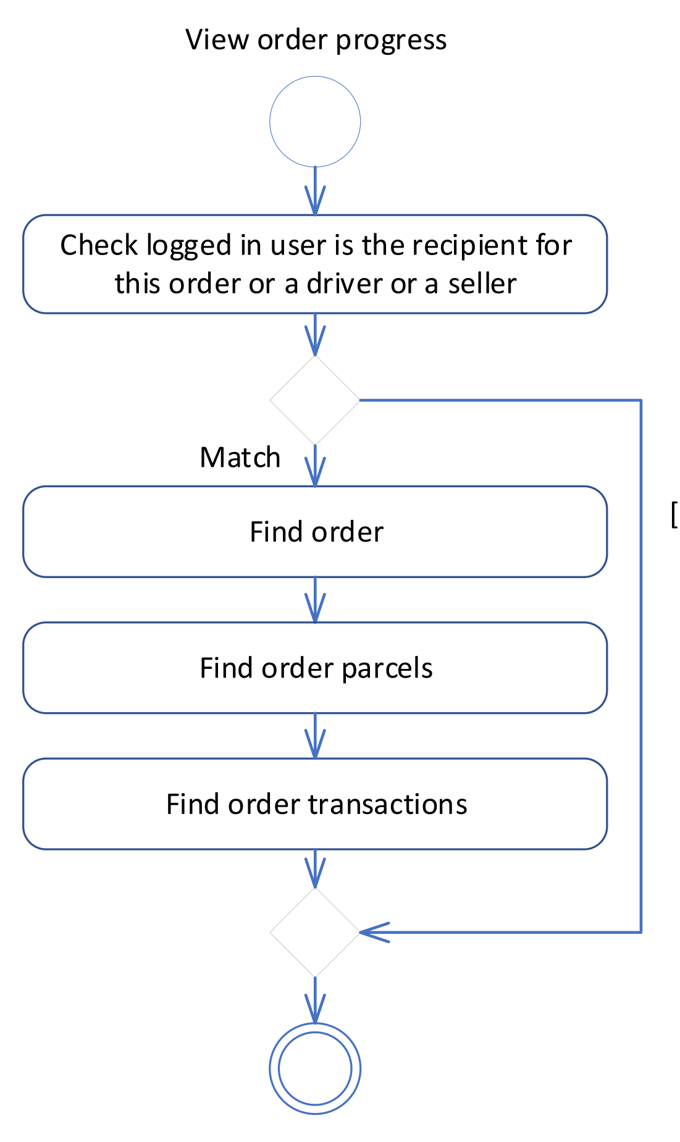
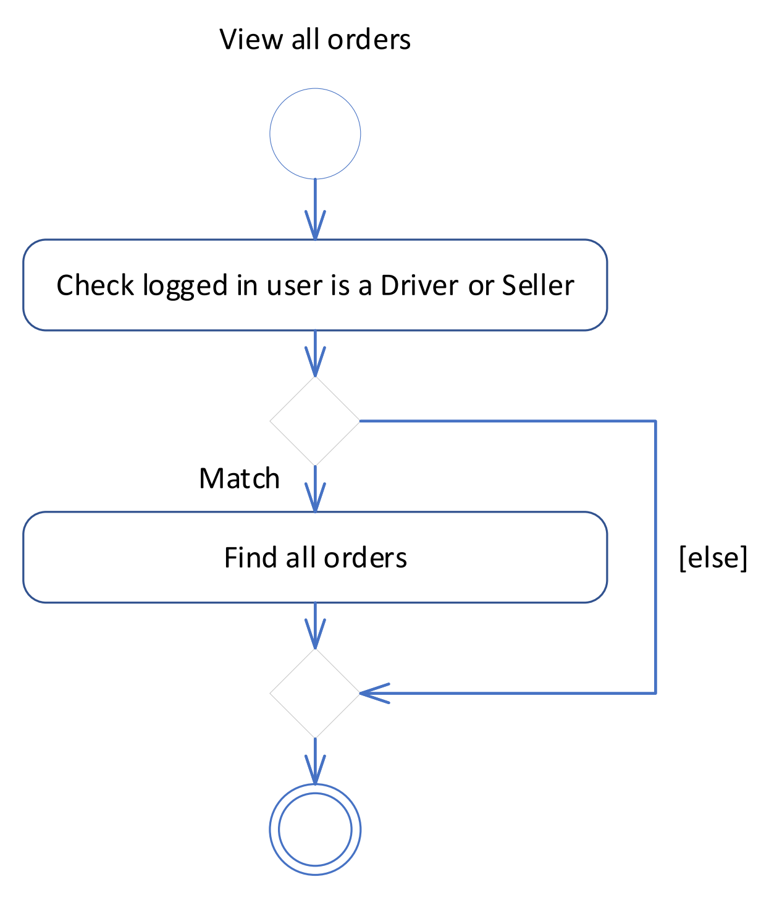

Guest
Register
Login
Recipient
View recipient orders
View order progress
Driver
View all orders
View order progress
Add transaction
Remove transaction
Seller
View all orders
View order progress
View all parcels
View parcel details
Create parcel
Edit parcel
Delete parcel
Create order
Edit order
Delete order
View driver metrics
Add parcel to order
View all users
View users details

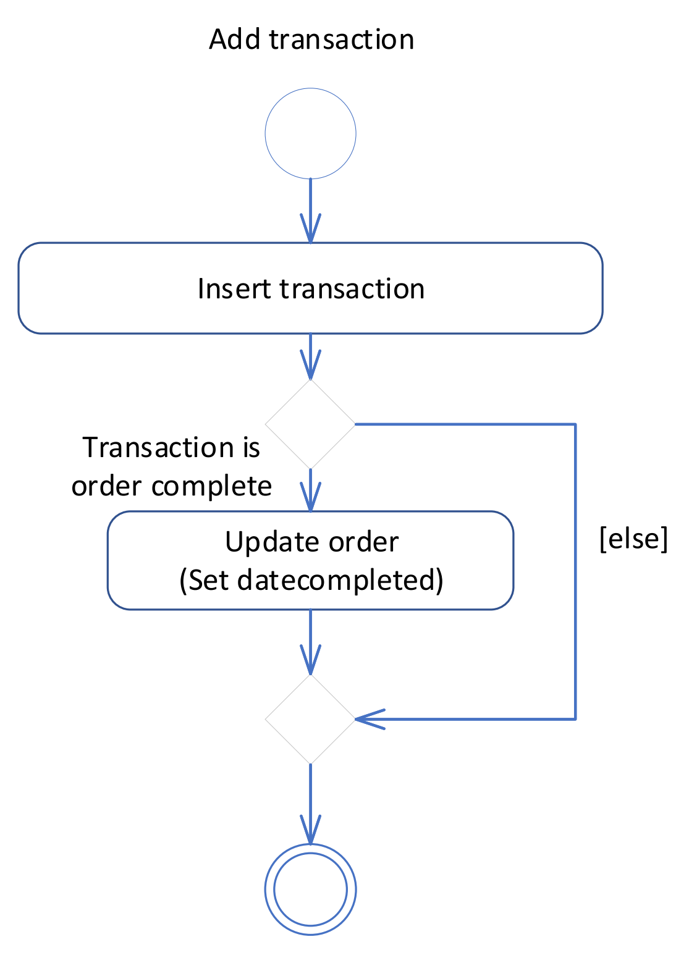

Register
Validate inputs
Match
Register
Set user role to recipient
[else]

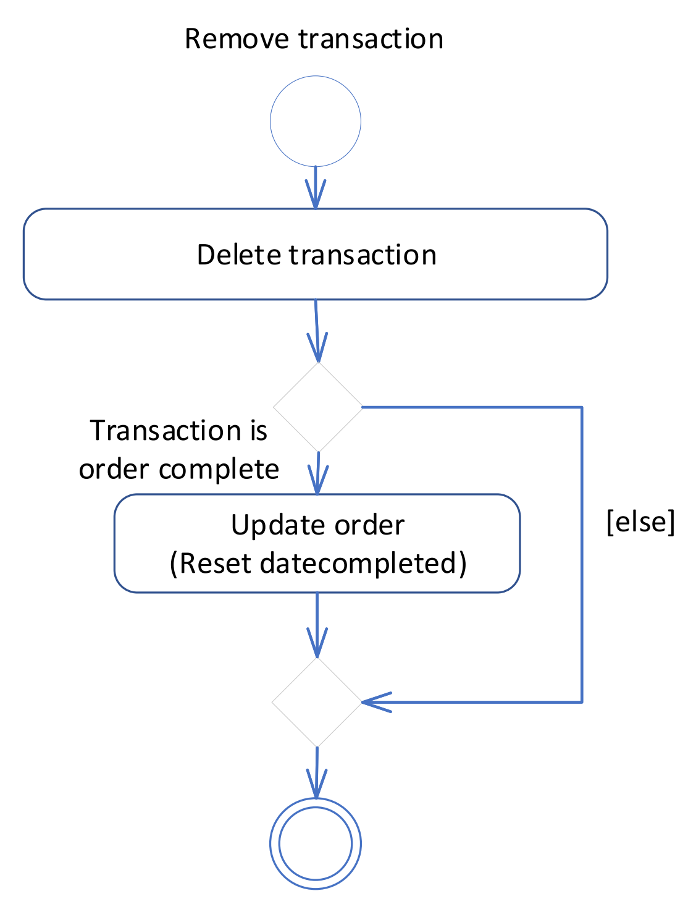

Login
Check credentials
Match
Log in
[else]

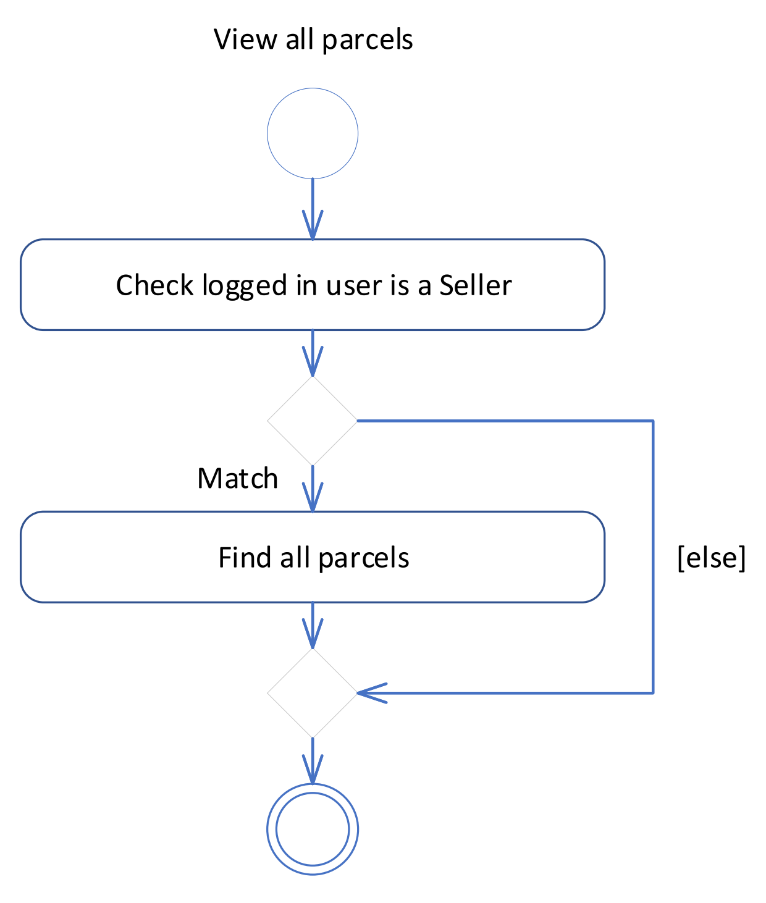

View recipient orders
Find recipient orders

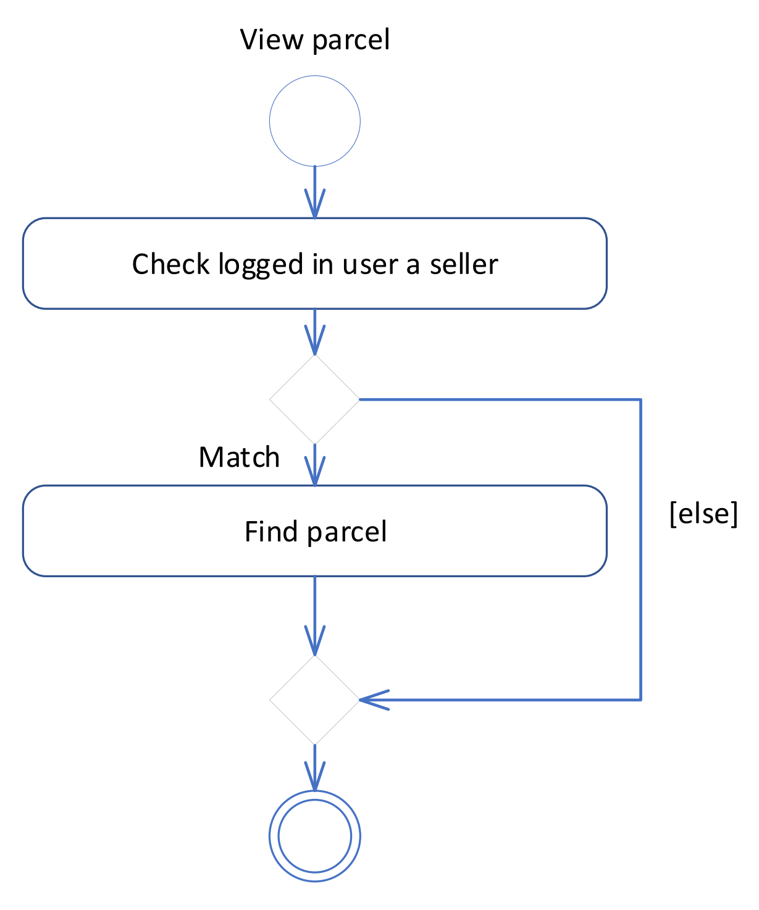

View order progress
Check logged in user is the recipient for this order or a driver or a seller
Match
Find order
Find order parcels
Find order transactions
[else]

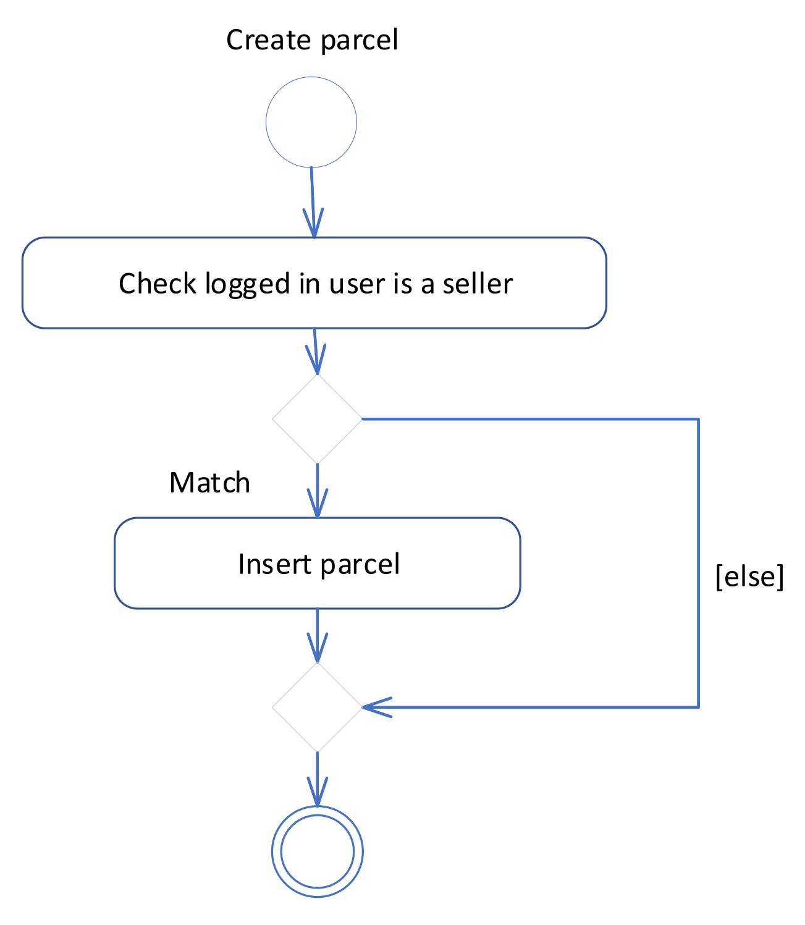

View all orders
Check logged in user is a Driver or Seller
Match
Find all orders
[else]

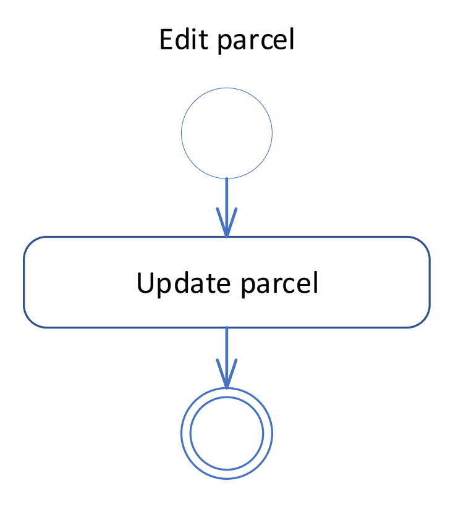

Add transaction
Insert transaction
Transaction is order complete
Update order (Set datecompleted)
[else]

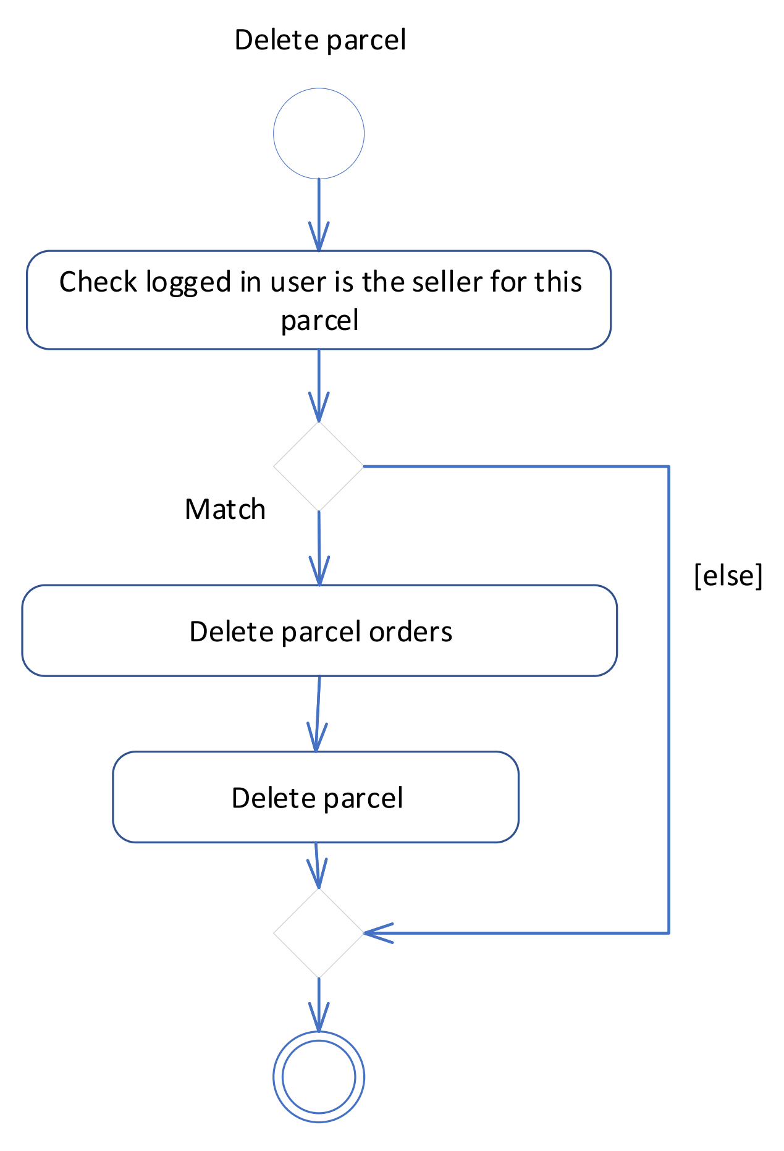

Remove transaction
Delete transaction
Transaction is order complete
Update order (Reset datecompleted)
[else]

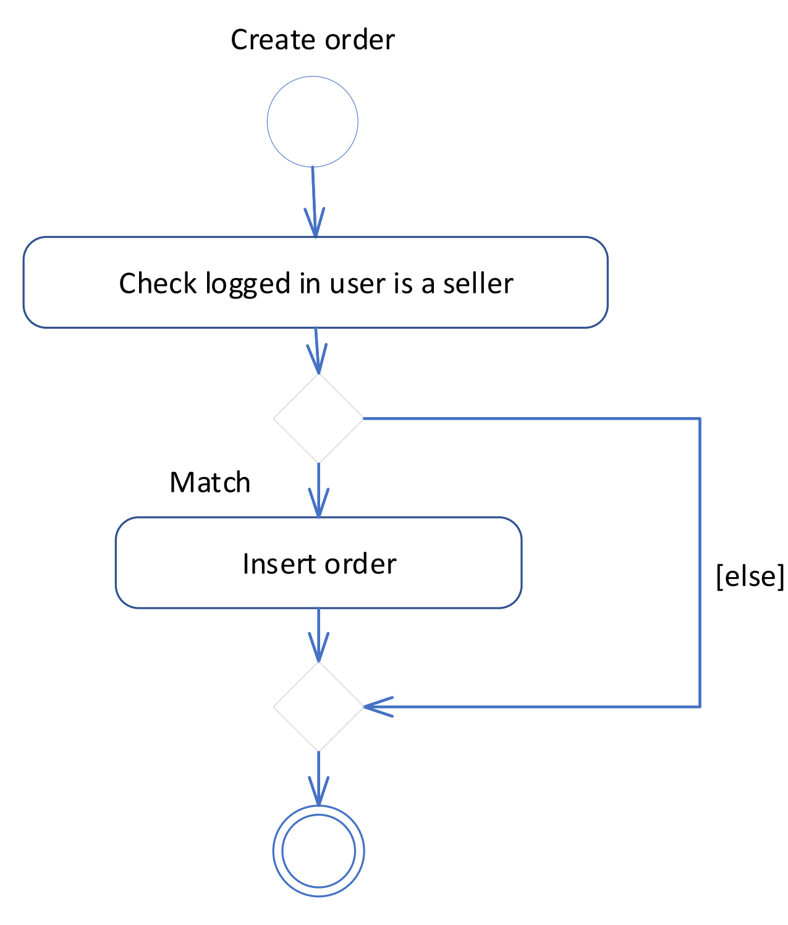

View all parcels
Check logged in user is a Seller
Match
Find all parcels
[else]

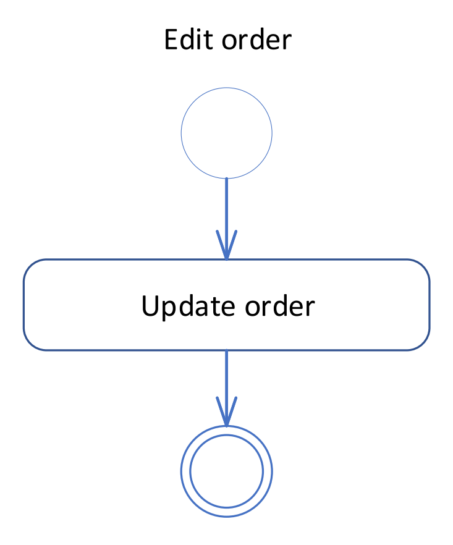

View parcel
Check logged in user a seller
Match
Find parcel
[else]

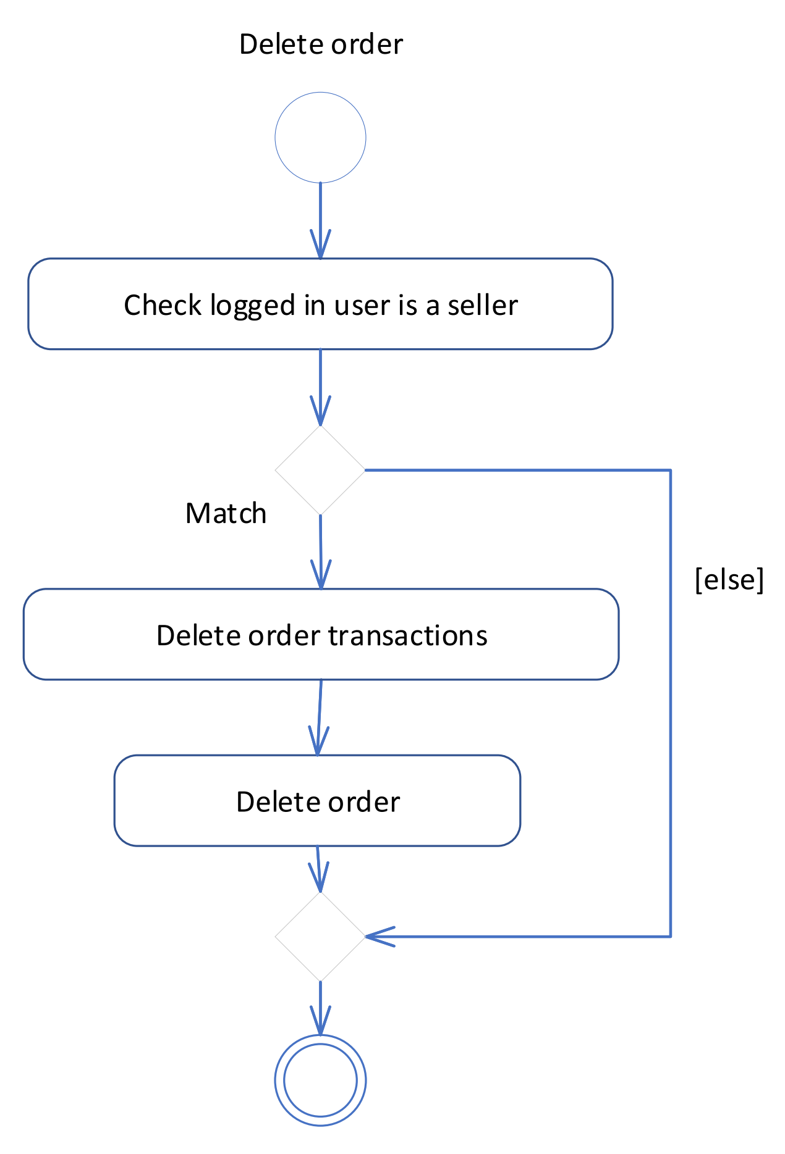

Create parcel
Check logged in user is a seller
Match
Insert parcel
[else]

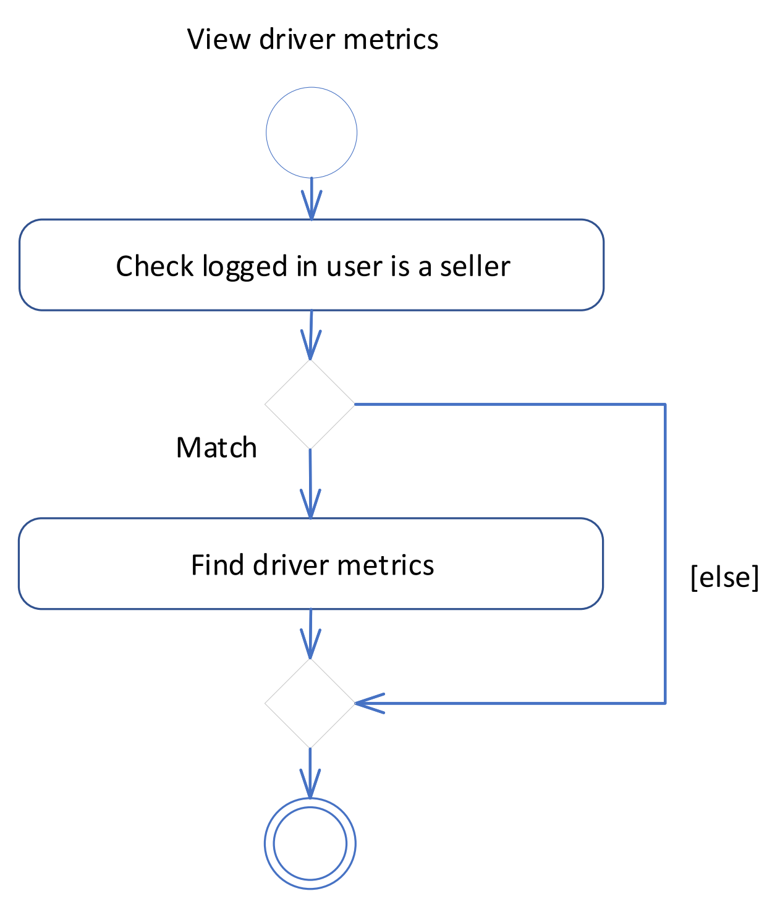

Edit parcel
Update parcel

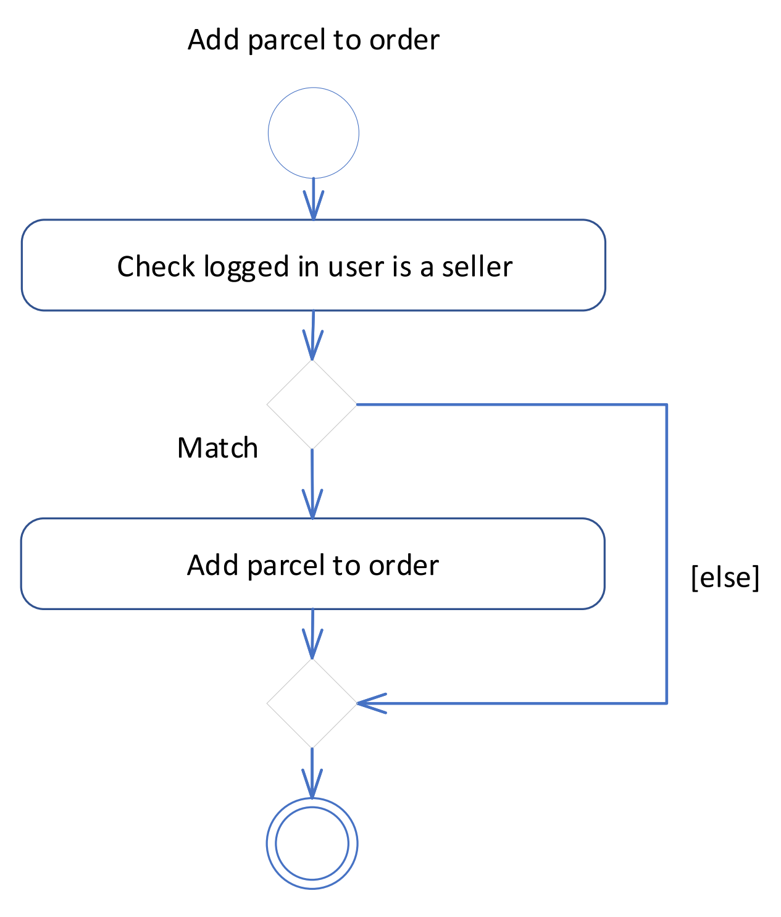

Delete parcel
Check logged in user is the seller for this parcel
Match
Delete parcel orders
Delete parcel
[else]

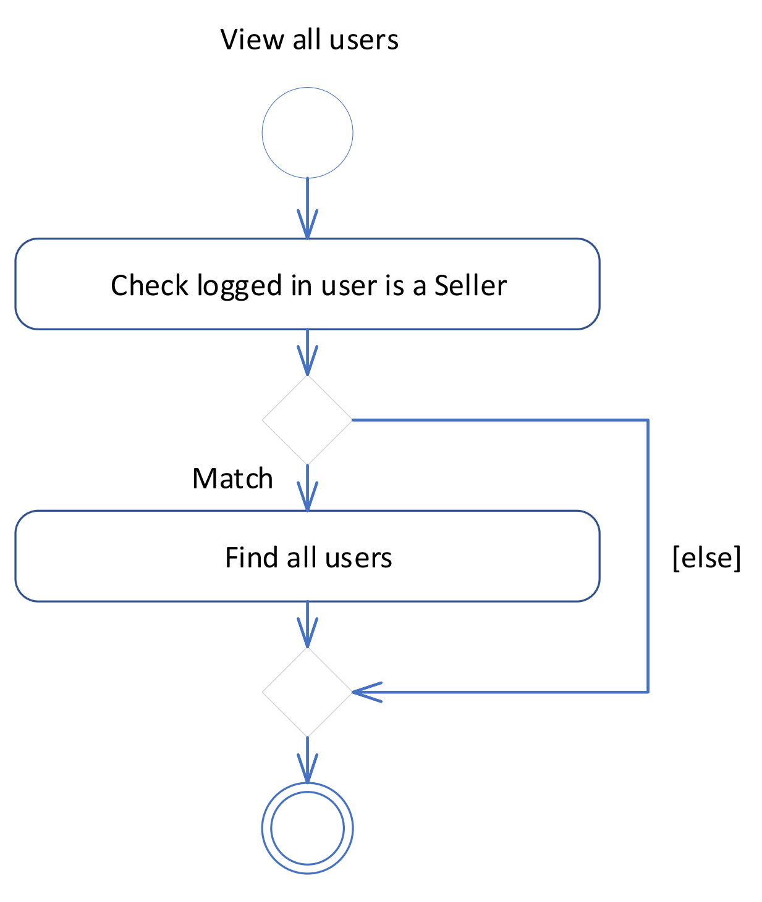

Create order
Check logged in user is a seller
Match
Insert order
[else]

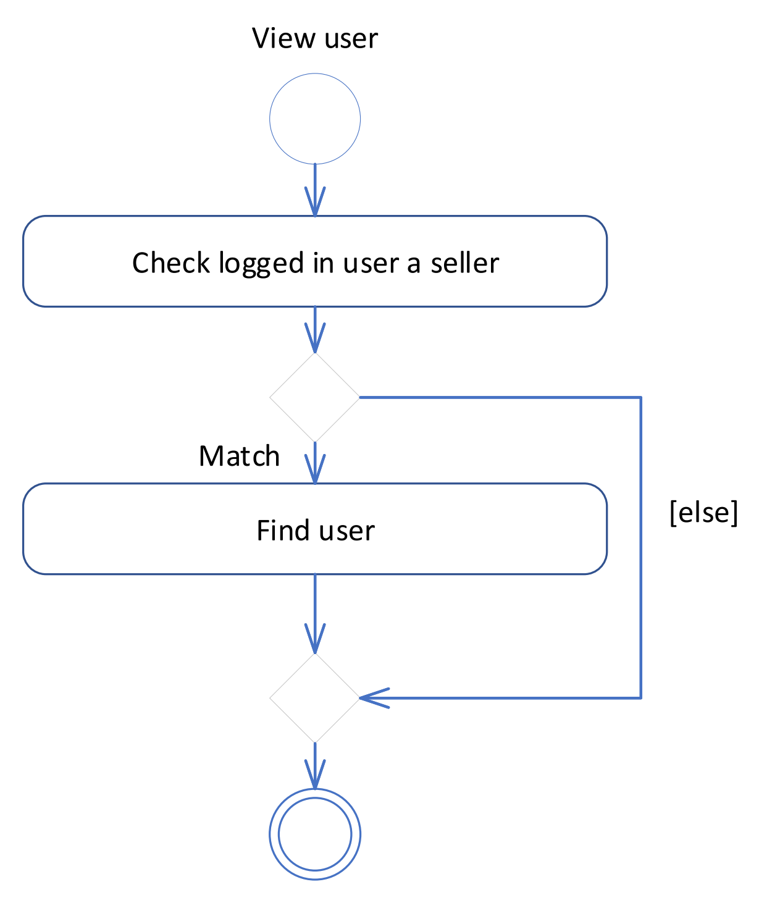

Edit order
Update order

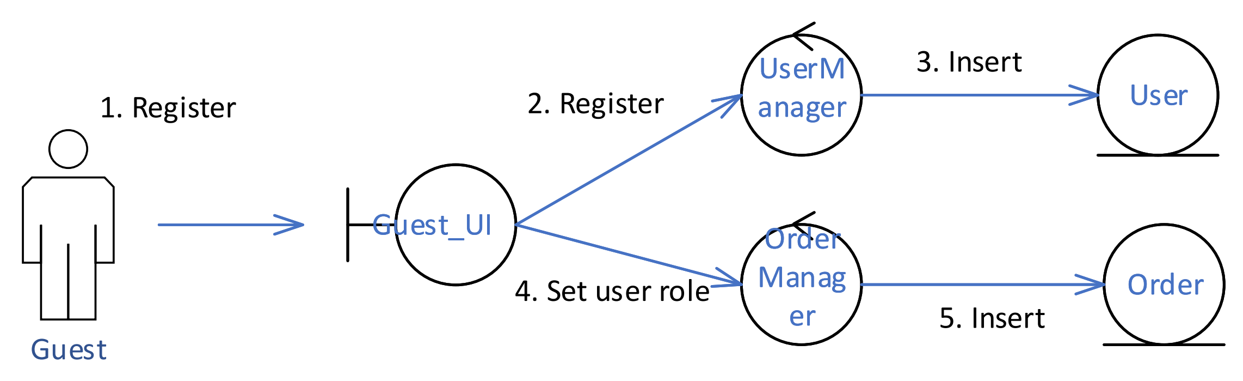

Delete order
Check logged in user is a seller
Match
Delete order transactions
Delete order
[else]

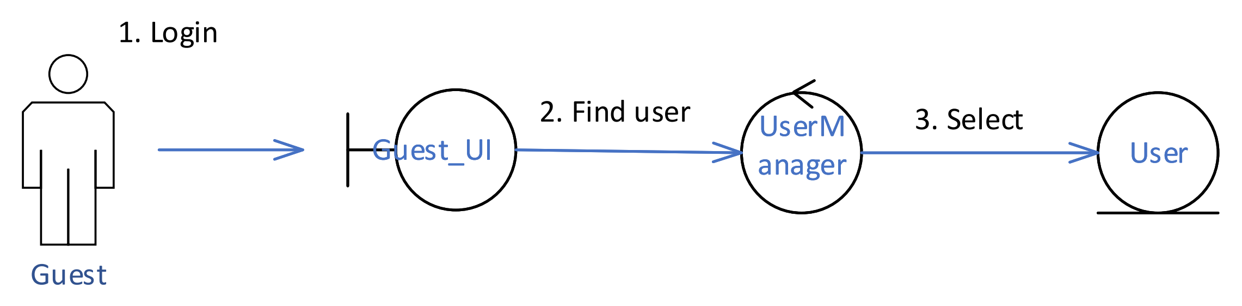

View driver metrics
Check logged in user is a seller
Match
Find driver metrics
[else]

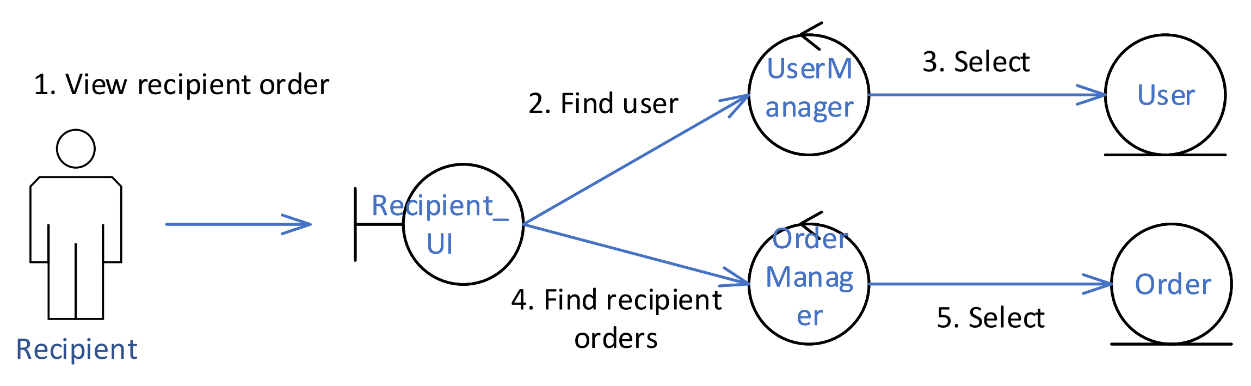

Add parcel to order
Check logged in user is a seller
Match
Add parcel to order
[else]

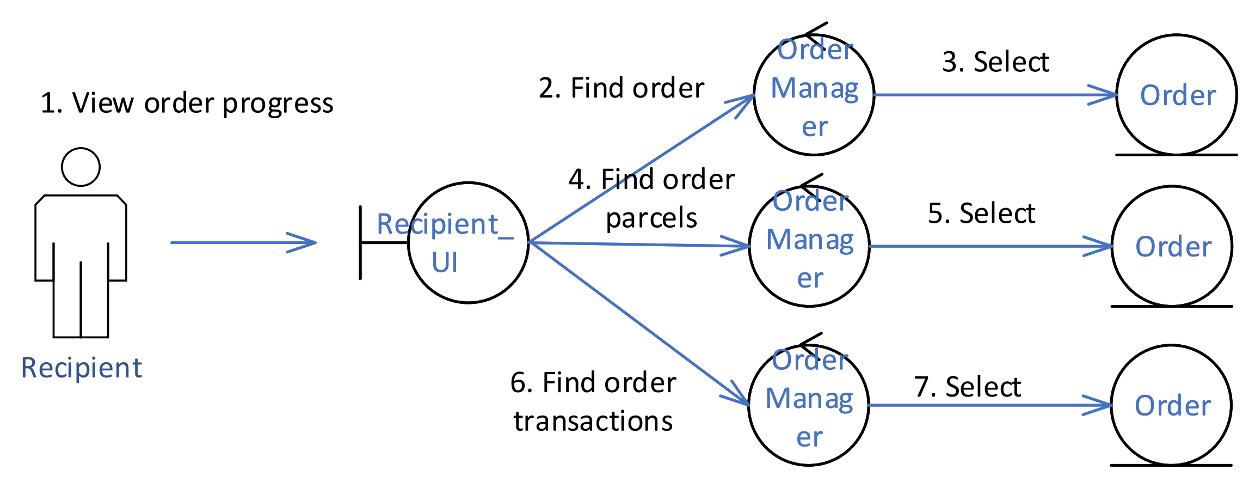

View all users
Check logged in user is a Seller
Match
Find all users
[else]

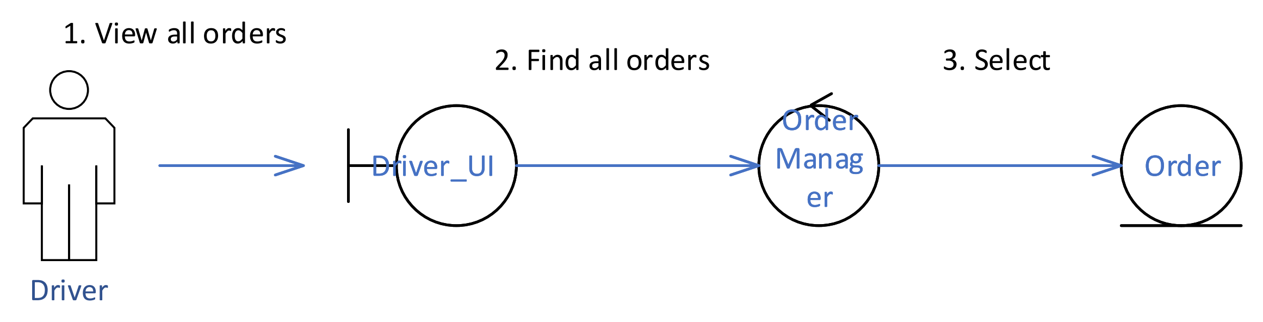

View user
Check logged in user a seller
Match
Find user
[else]

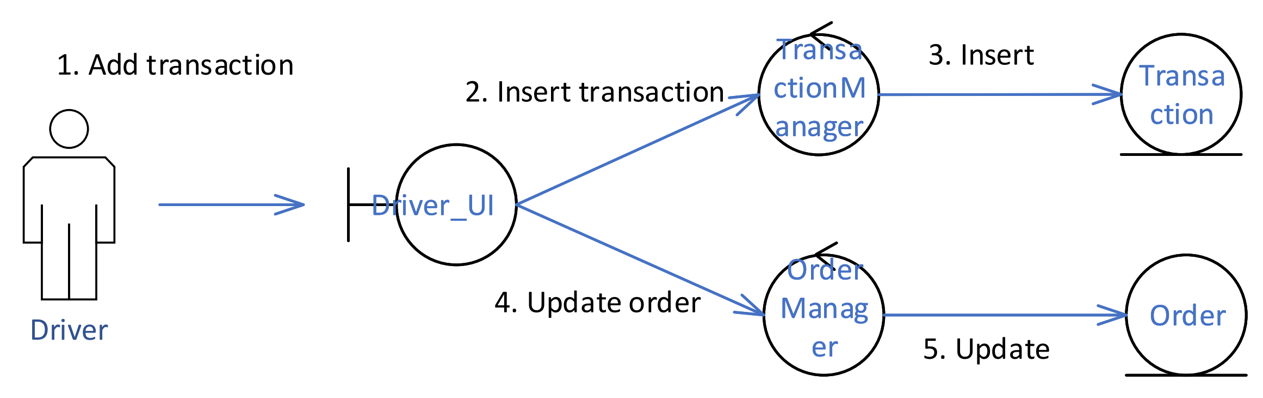

1. Register
Guest
Guest_UI
2. Register
UserManager
3. Insert
User
4. Set user role
OrderManager
5. Insert
Order

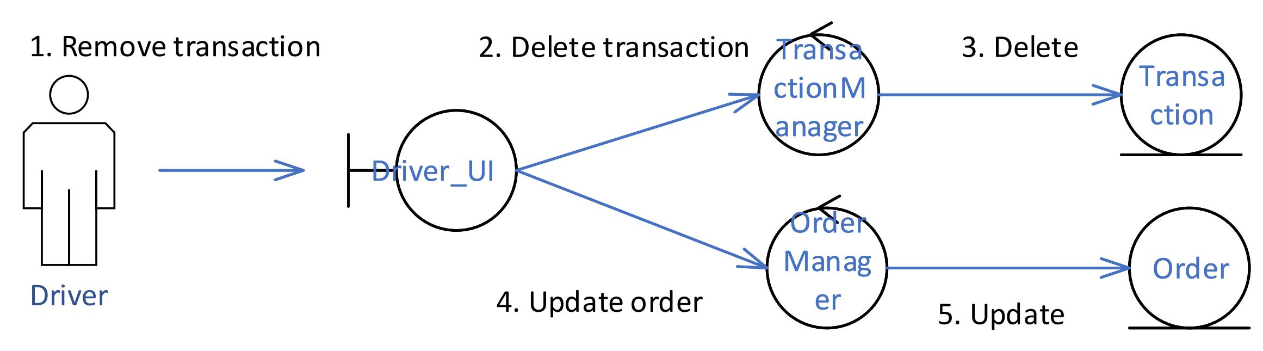

1. Login
Guest
Guest_UI
2. Find user
UserManager
3. Select
User

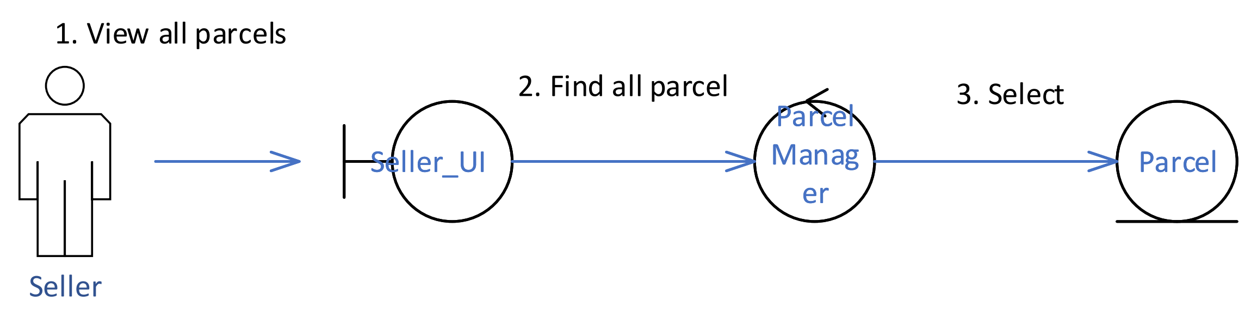

1. View recipient order
Recipient
Recipient_UI
2. Find user
UserManager
3. Select
User
4. Find recipient orders
OrderManager
5. Select
Order

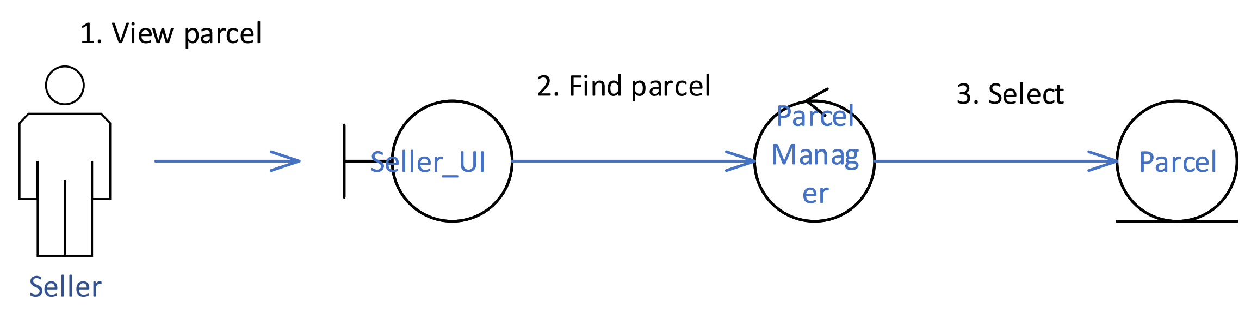

1. View order progress
Recipient
Recipient_UI
2. Find order
OrderManager
3. Select
Order
4. Find order parcels
OrderManager
5. Select
Order
6. Find order transactions
OrderManager
7. Select
Order

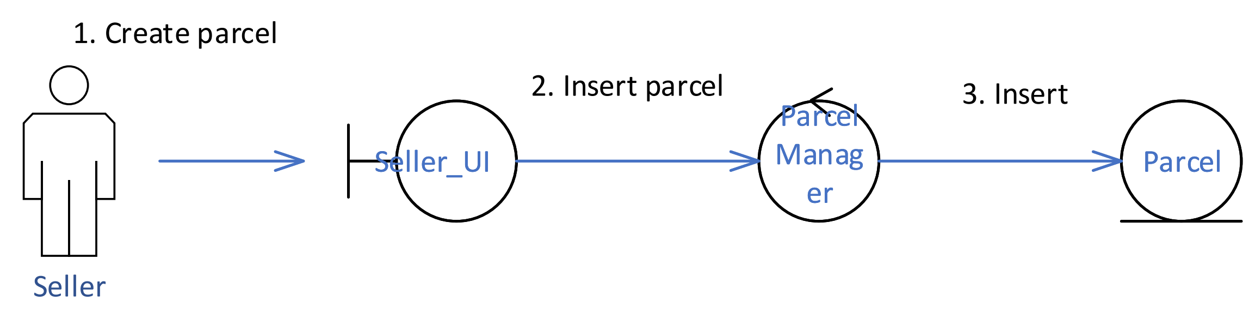

1. View all orders
Driver
Driver_UI
2. Find all orders
OrderManager
3. Select
Order

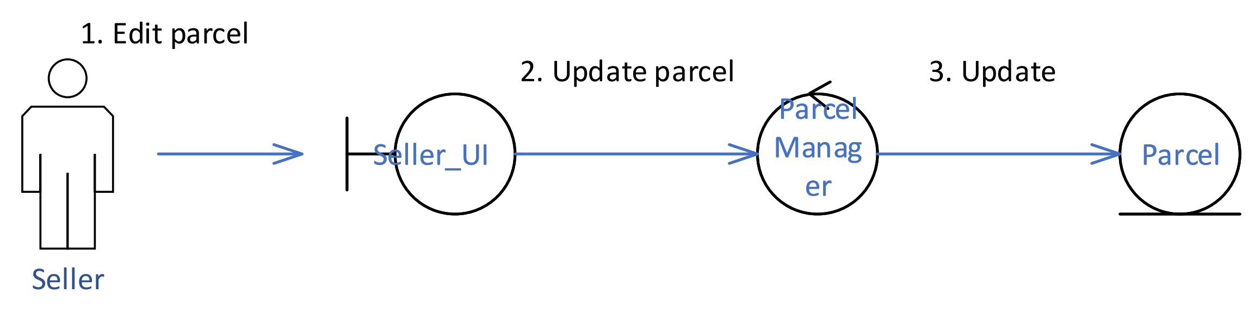

1. Add transaction
Driver
Driver_UI
2. Insert transaction
TransactionManager
3. Insert
Transaction
4. Update order
OrderManager
5. Update
Order

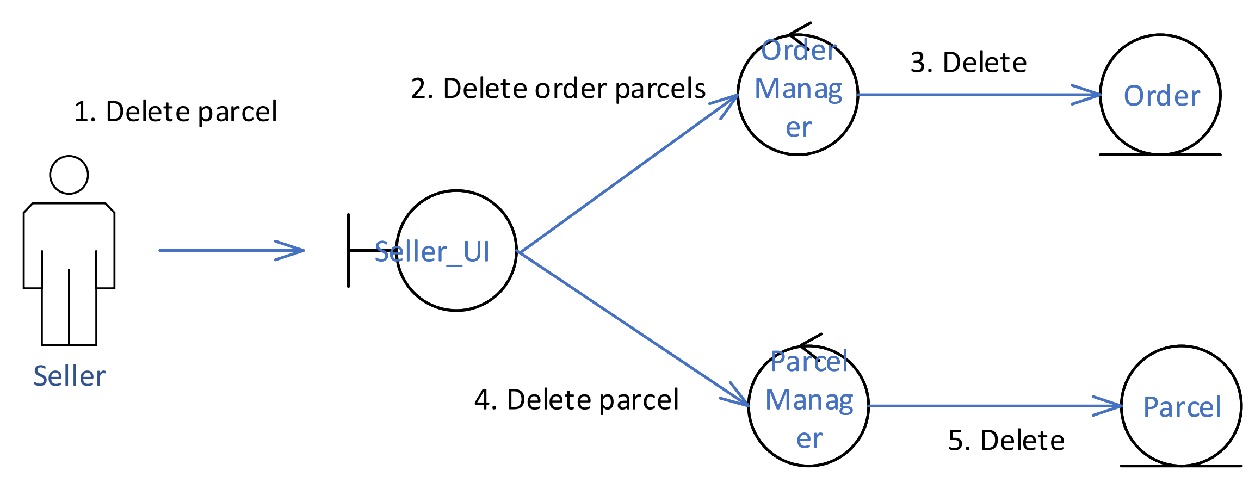

1. Remove transaction
Driver
Driver_UI
2. Delete transaction
TransactionManager
3. Delete
Transaction
4. Update order
OrderManager
5. Update
Order

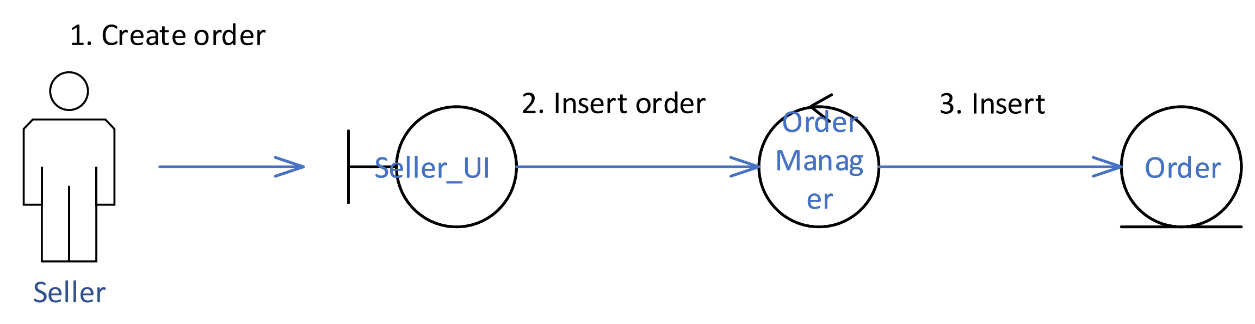

1. View all parcels
Seller
Seller_UI
2. Find all parcel
ParcelManager
3. Select
Parcel

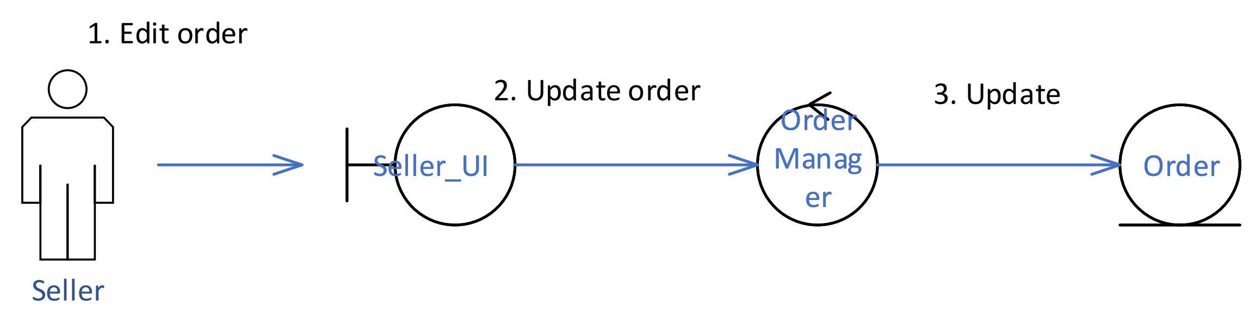

1. View parcel
Seller
Seller_UI
2. Find parcel
ParcelManager
3. Select
Parcel

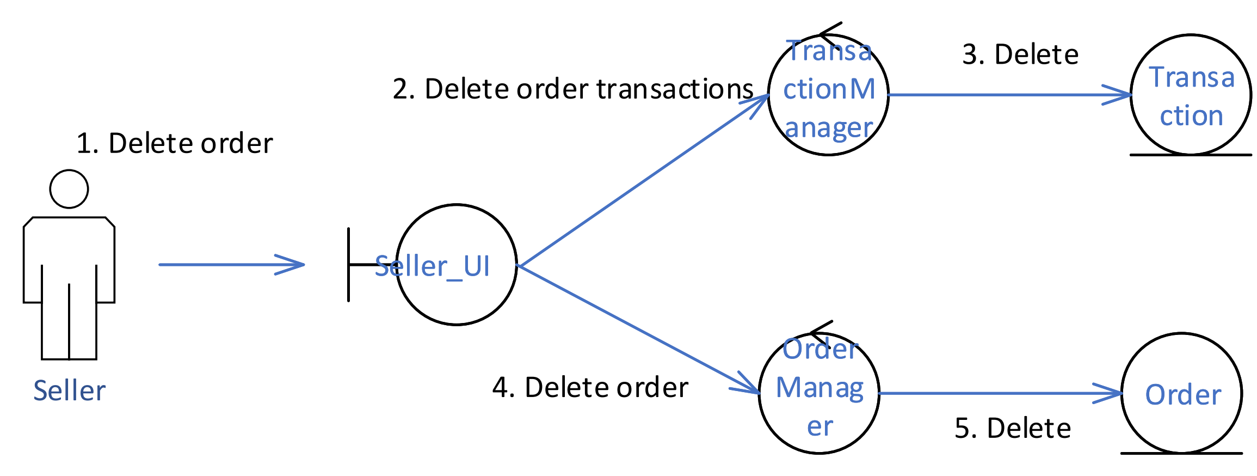

1. Create parcel
Seller
Seller_UI
2. Insert parcel
ParcelManager
3. Insert
Parcel

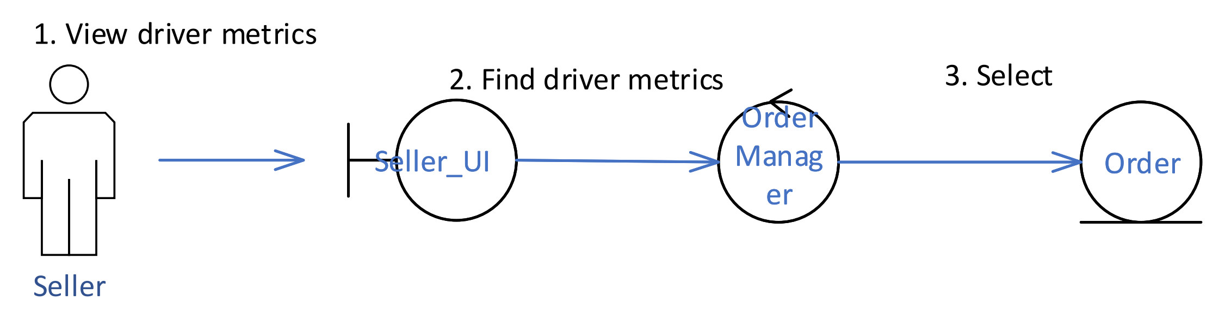

1. Edit parcel
Seller
Seller_UI
2. Update parcel
ParcelManager
3. Update
Parcel

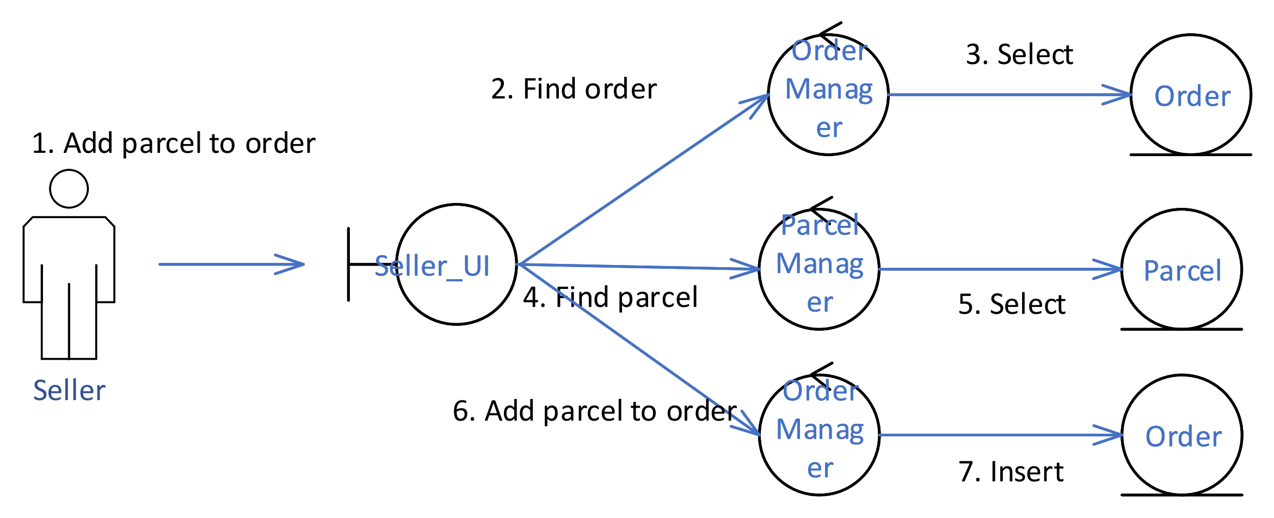

1. Delete parcel
Seller
Seller_UI
2. Delete order parcels
OrderManager
3. Delete
Order
4. Delete parcel
ParcelManager
5. Delete
Parcel

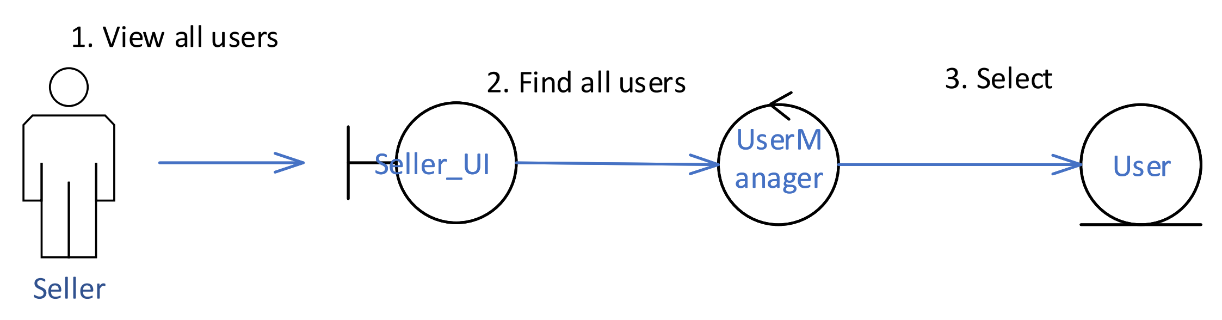

1. Create order
Seller
Seller_UI
2. Insert order
OrderManager
3. Insert
Order

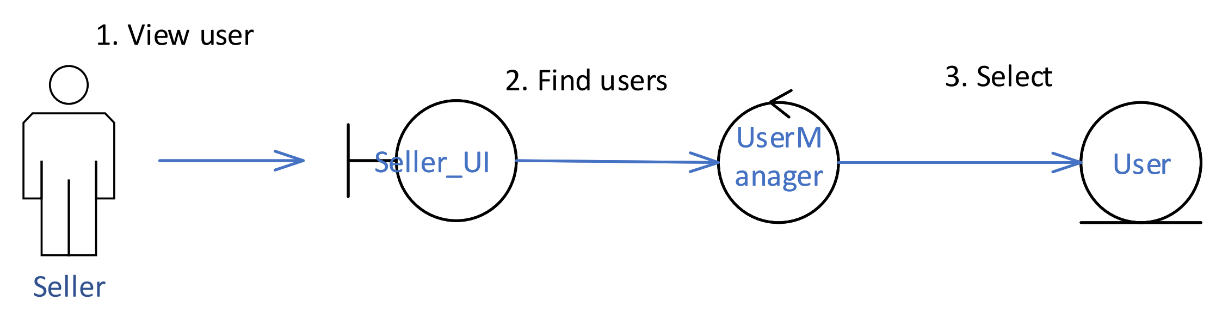

1. Edit order
Seller
Seller_UI
2. Update order
OrderManager
3. Update
Order

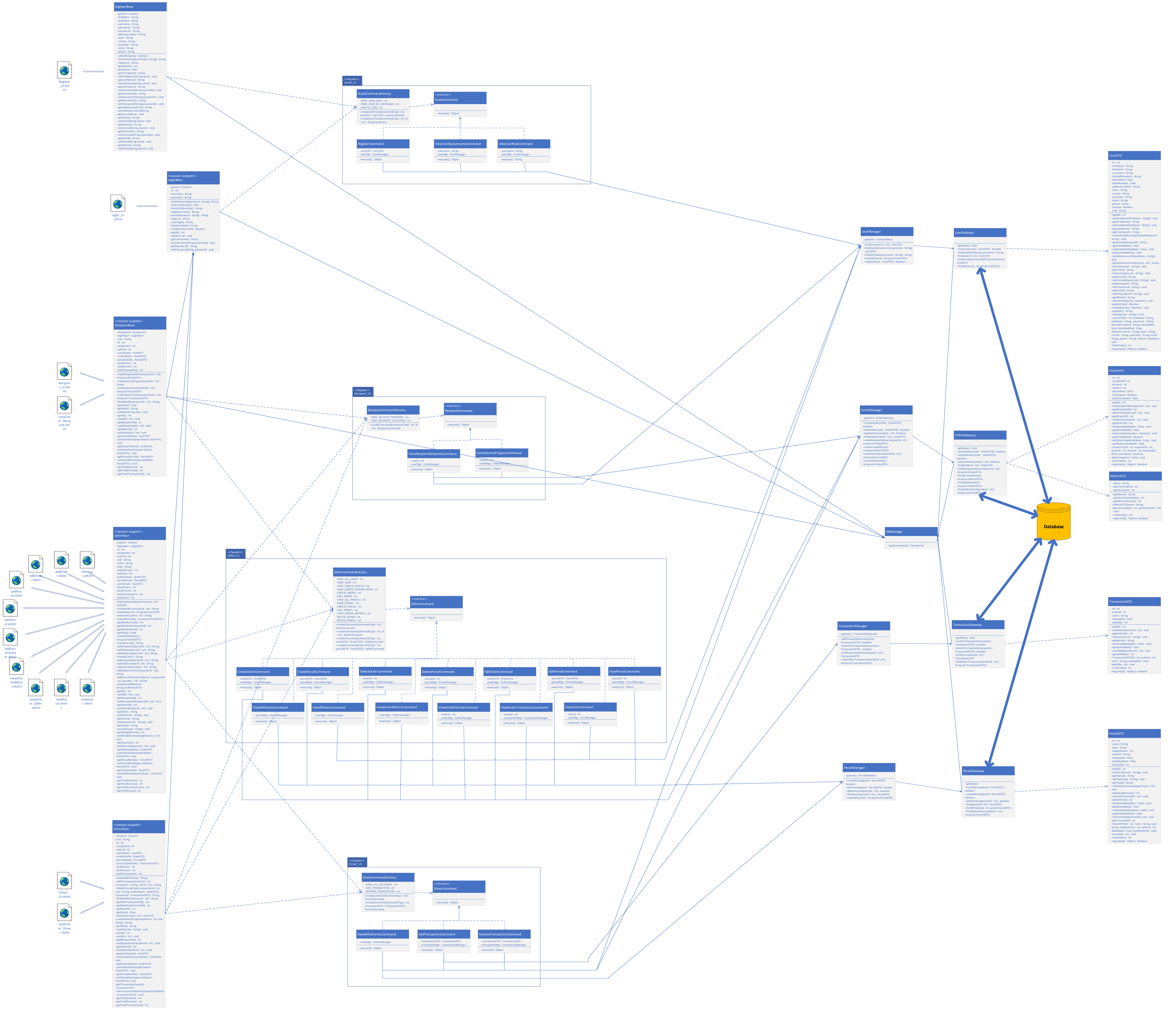

1. Delete order
Seller
Seller_UI
2. Delete order transactions
TransactionManager
3. Delete
Transaction
4. Delete order
OrderManager
5. Delete
Order

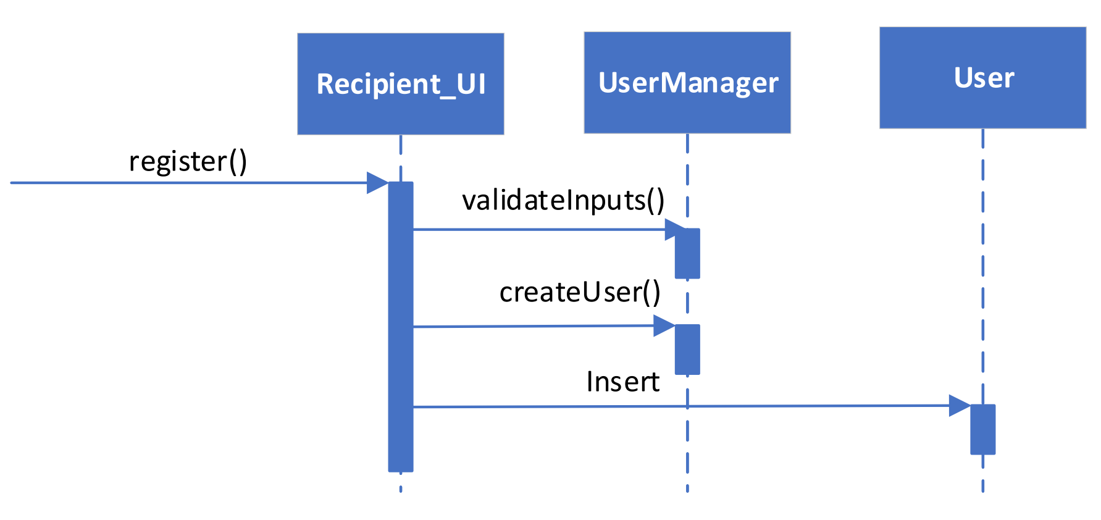

1. View driver metrics
Seller
Seller_UI
2. Find driver metrics
OrderManager
3. Select
Order

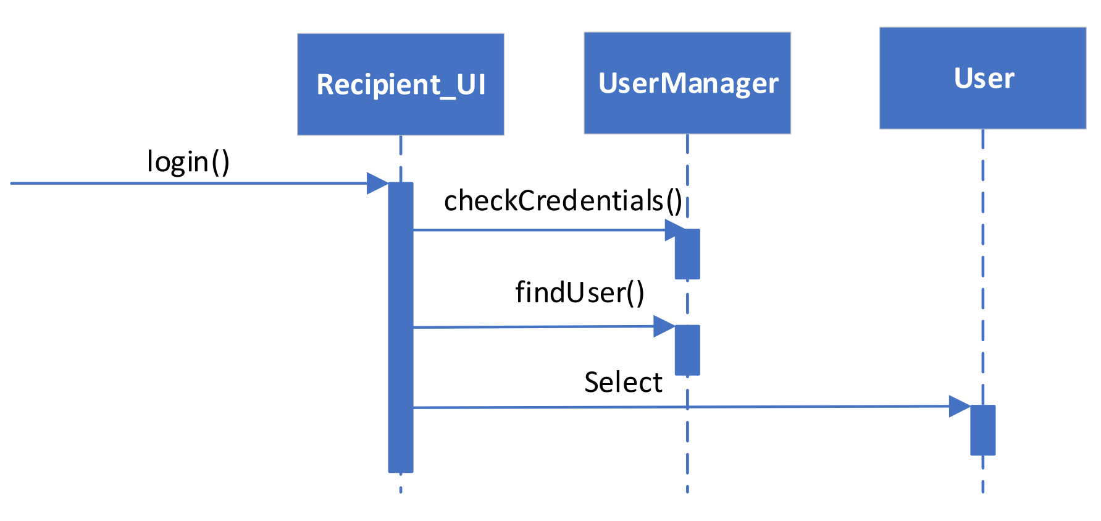

1. Add parcel to order
Seller
Seller_UI
2. Find order
OrderManager
3. Select
Order
4. Find parcel
ParcelManager
5. Select
Parcel
6. Add parcel to order
OrderManager
7. Insert
Order

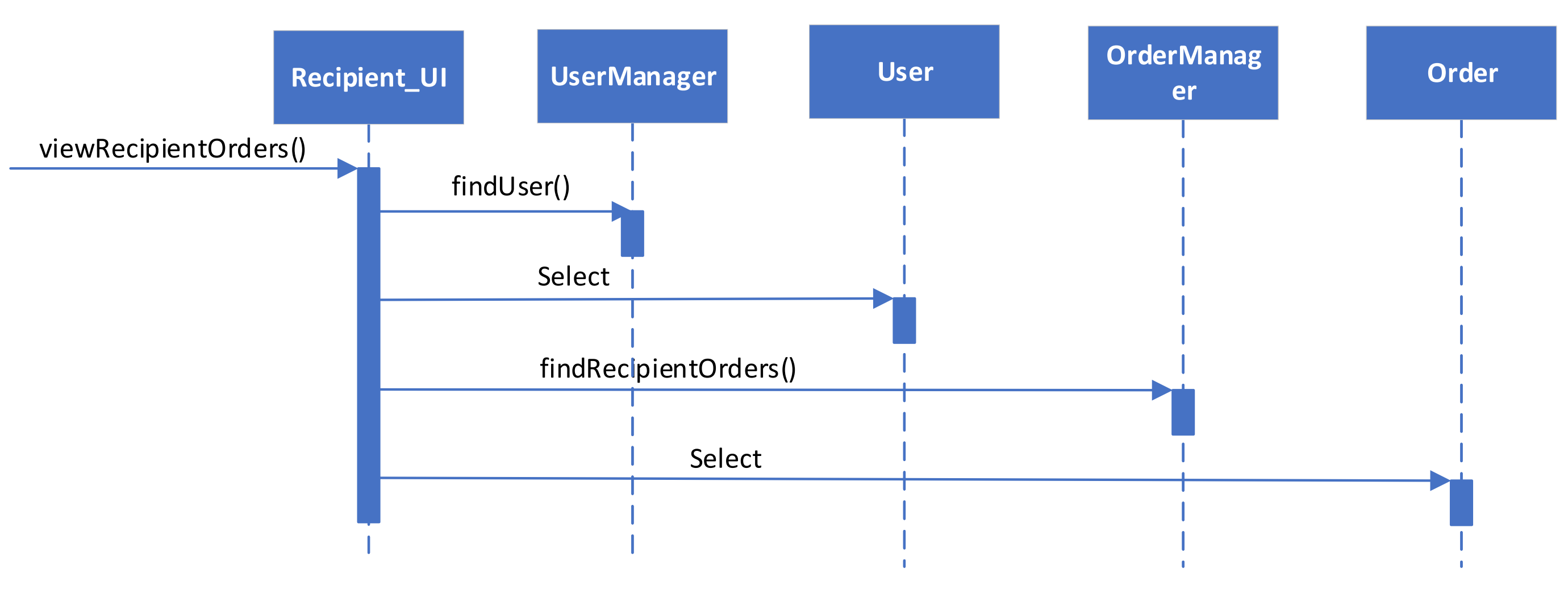

1. View all users
Seller
Seller_UI
2. Find all users
UserManager
3. Select
User

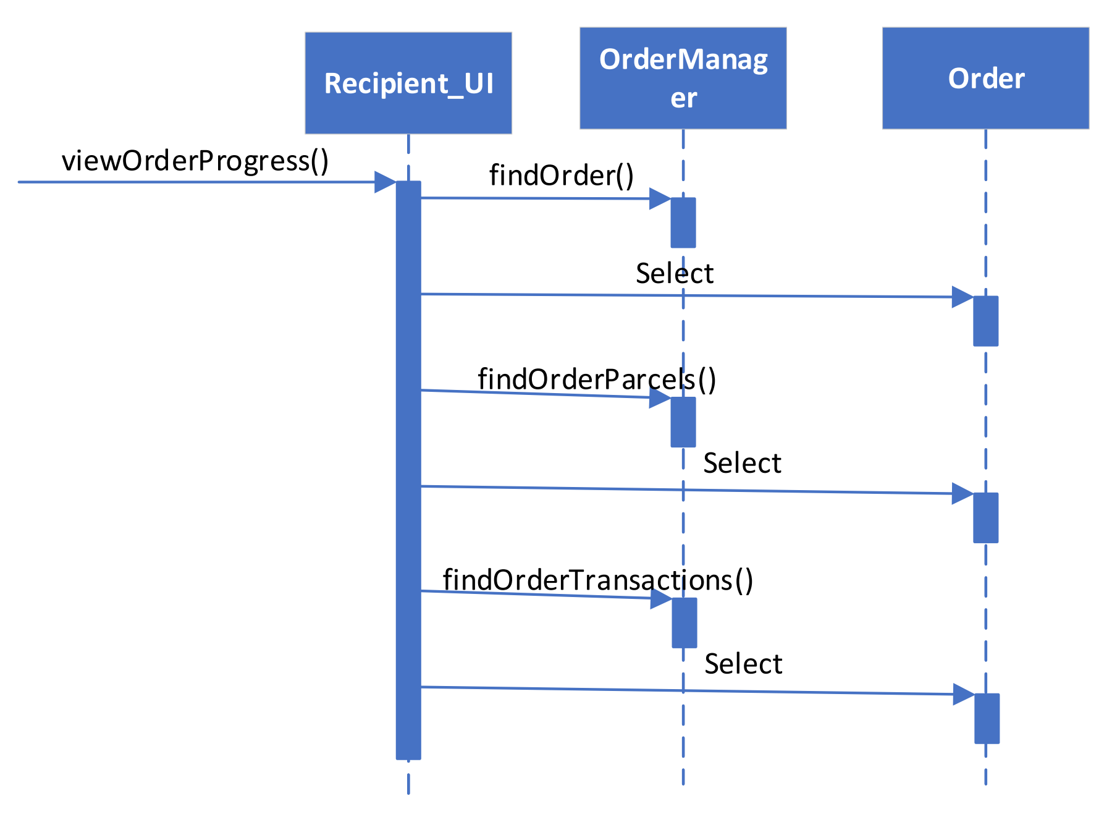

1. View user
Seller
Seller_UI
2. Find users
UserManager
3. Select
User

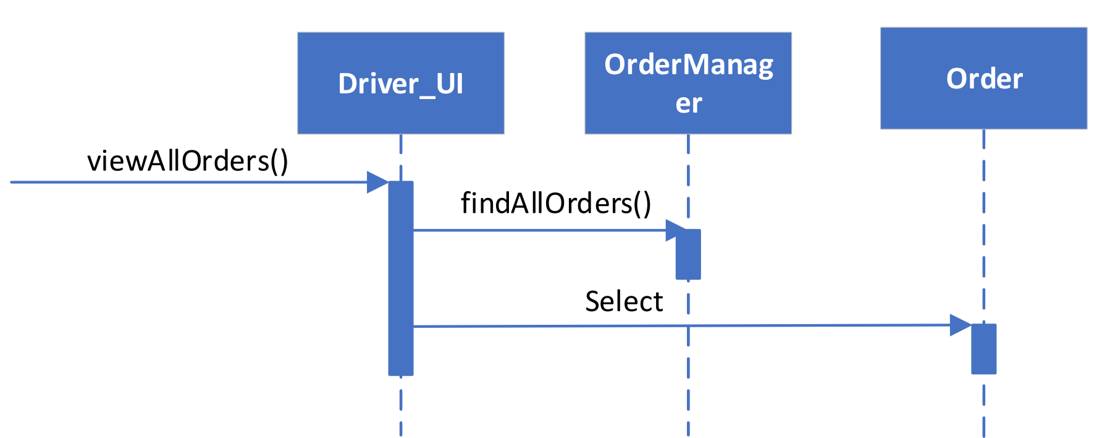

Register_UI.xhtml
RegisterBean
Login_UI.xhtml
<<session scoped>> LoginBean
<<facade>> Guest_UI
GuestCommandFactory
<<interface>> GuestCommand
RegisterCommand
ViewUserByUsernameCommand
ViewUserRoleCommand
Recipient_UI.xhtml
viewOrder_Recipient.xhtml
<<session scoped>> RecipientBean
<<facade>> Recipient_UI
RecipientCommandFactory
<<interface>> RecipientCommand
ViewRecipientDeliveriesCommand
ViewDeliveryProgressCommand
addParcel.xhtml
addOrder.xhtml
Seller_UI.xhtml
editParcel.xhtml
editParcelToOrder.xhtml
viewDriverMetrics.xhtml
viewOrder_Seller.xhtml
viewParcel.xhtml
viewUser.xhtml
<<session scoped>> SellerBean
<<facade>> Seller_UI
SellerCommandFactory
<<interface>> SellerCommand
CreateOrderCommand
CreateParcelCommand
DeleteOrderCommand
DeleteParcelCommand
EditOrderCommand
EditParcelCommand
ViewParcelCommand
ViewAllParcelsCommand
ViewAllUsersCommand
ViewDriverMetricsCommand
ViewOrderParcelsCommand
ViewOrderTransactionsCommand
ViewUserCommand
Driver_UI.xhtml
viewOrder_Driver.xhtml
<<session scoped>> DriverBean
<<facade>> Driver_UI
DriverCommandFactory
<<interface>> DriverCommand
ViewAllDeliveriesCommand
AddTransactionCommand
RemoveTransactionCommand
UserManager
UserGateway
UserDTO
OrderManager
OrderGateway
OrderDTO
MetricDTO
DBManager
Database
TransactionManager
TransactionGateway
TransactionDTO
ParcelManager
ParcelGateway
ParcelDTO

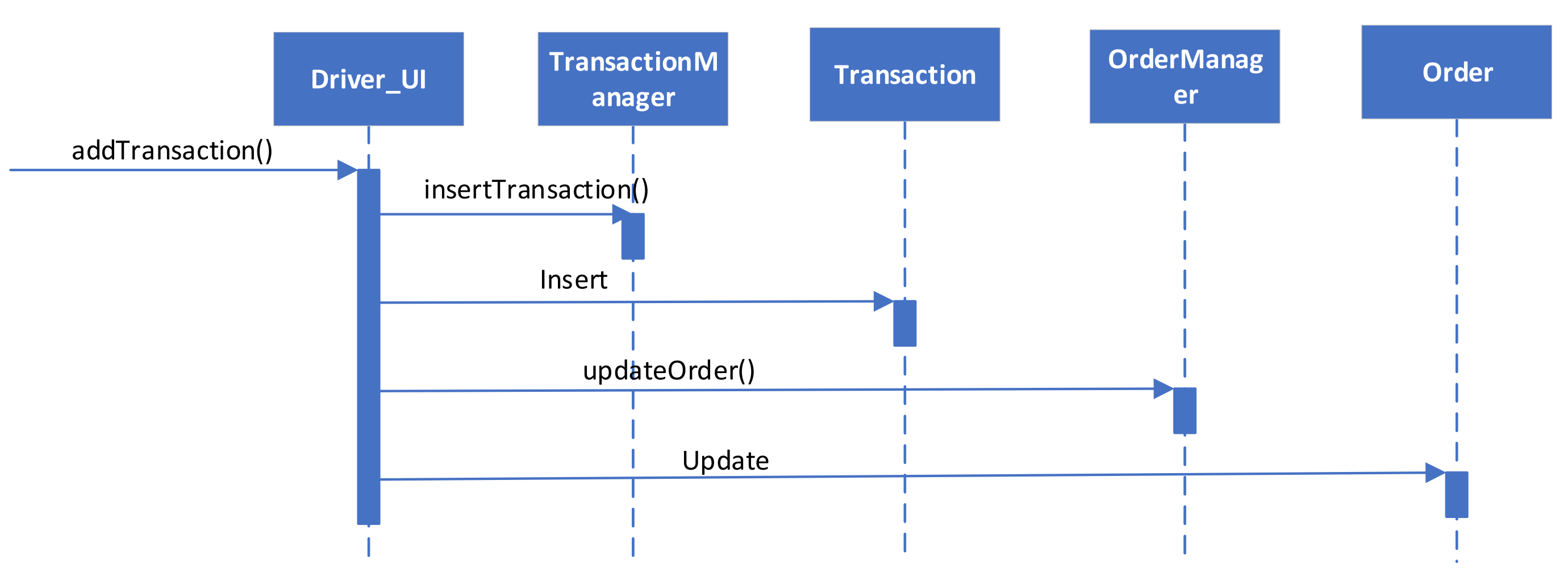

Recipient_UI
UserManager
User
register()
validateInputs()
createUser()
Insert

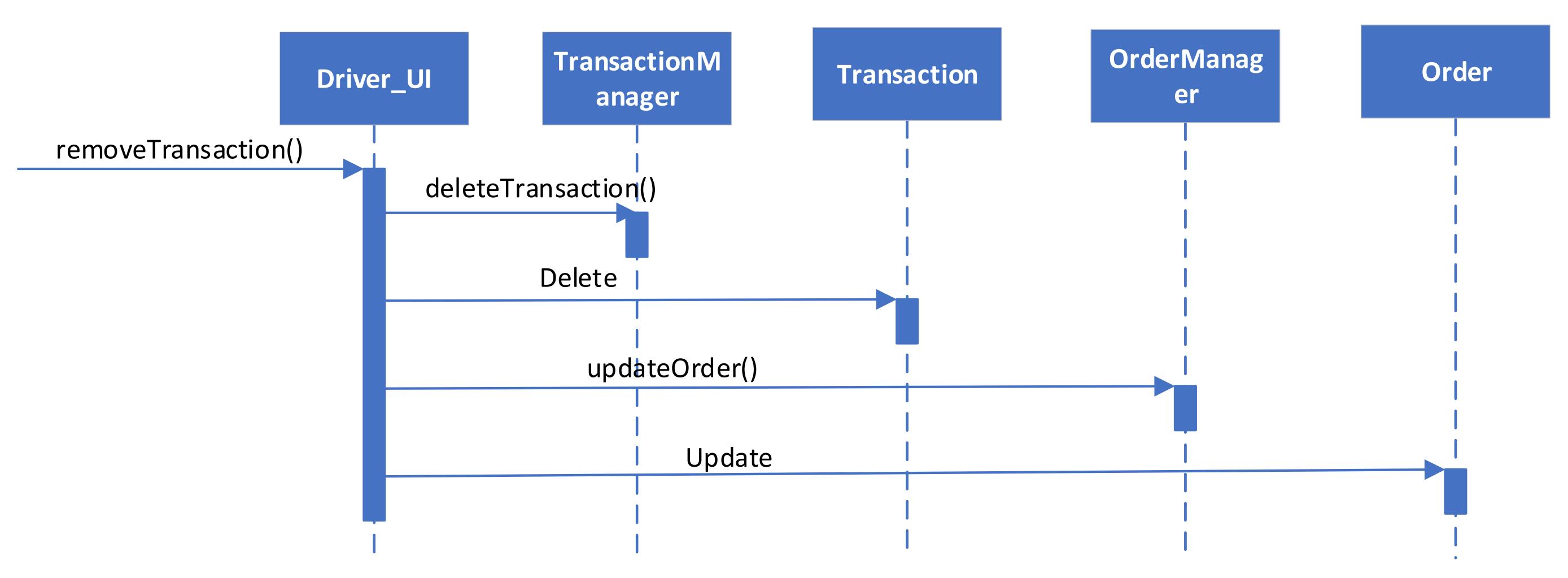

Recipient_UI
UserManager
User
login()
checkCredentials()
findUser()
Select

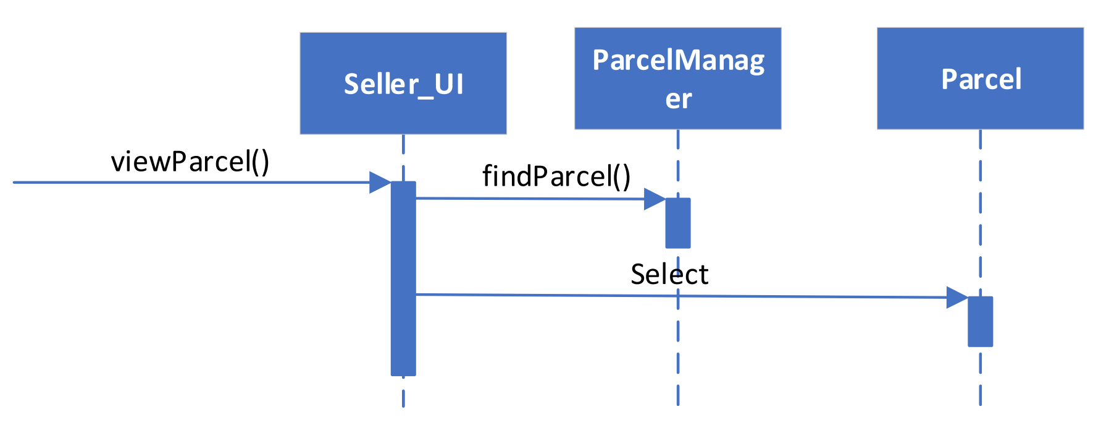

Recipient_UI
UserManager
User
OrderManager
Order
viewRecipientOrders()
findUser()
Select
findRecipientOrders()
Select

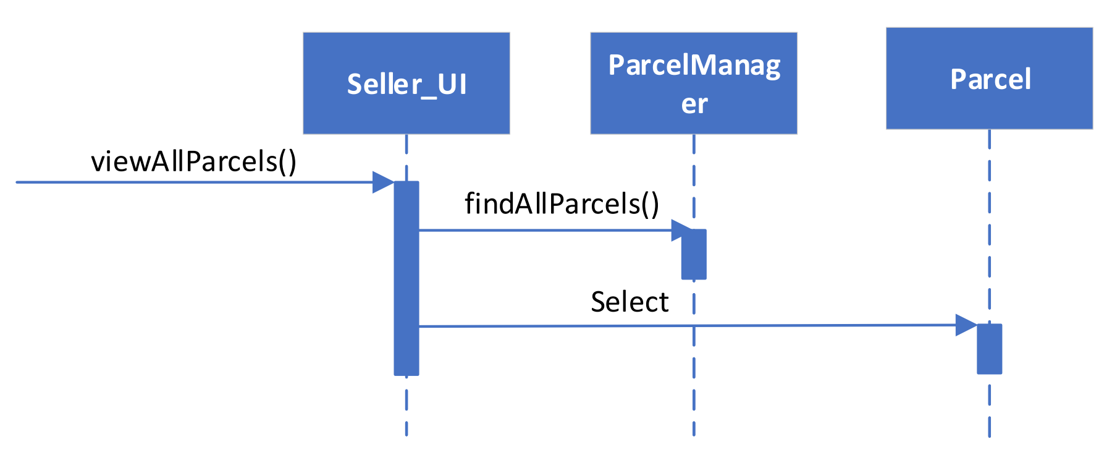

Recipient_UI
OrderManager
Order
viewOrderProgress()
findOrder()
Select
findOrderParcels()
Select
findOrderTransactions()
Select

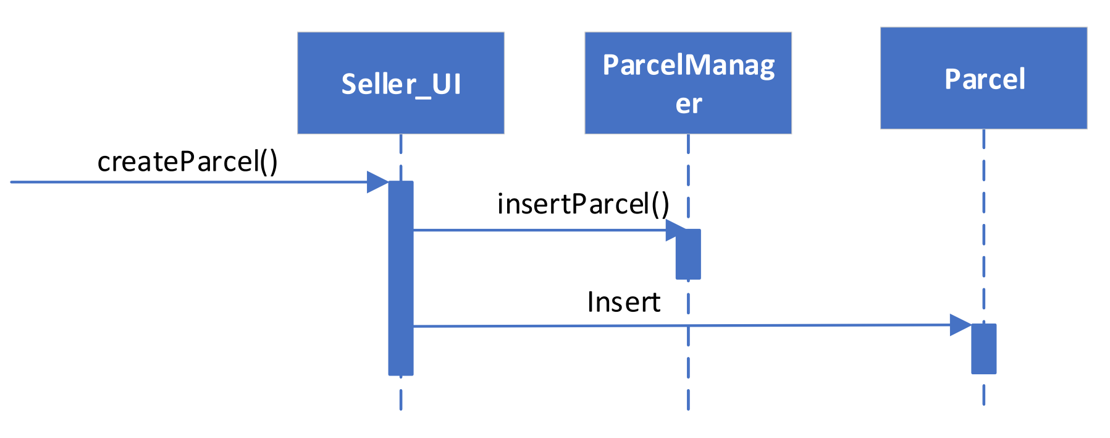

Driver_UI
OrderManager
Order
viewAllOrders()
findAllOrders()
Select

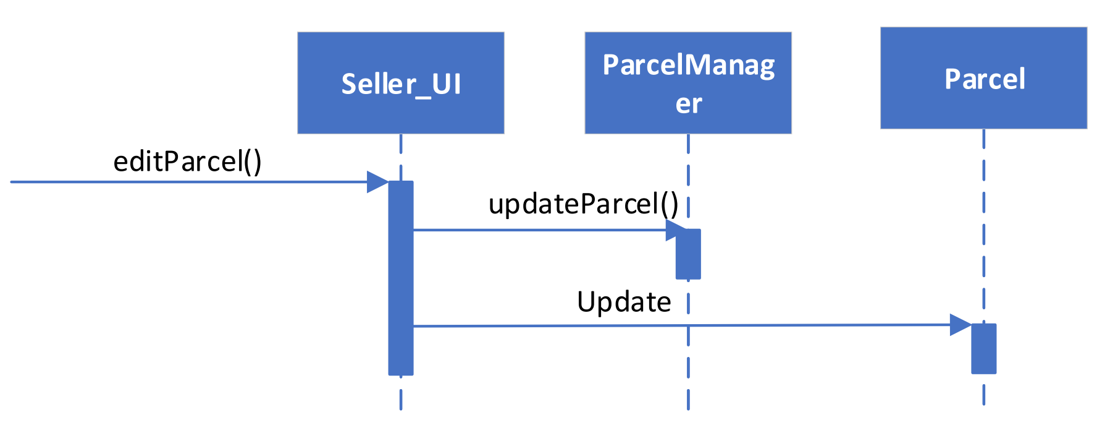

Driver_UI
TransactionManager
Transaction
OrderManager
Order
addTransaction()
insertTransaction()
Insert
updateOrder()
Update

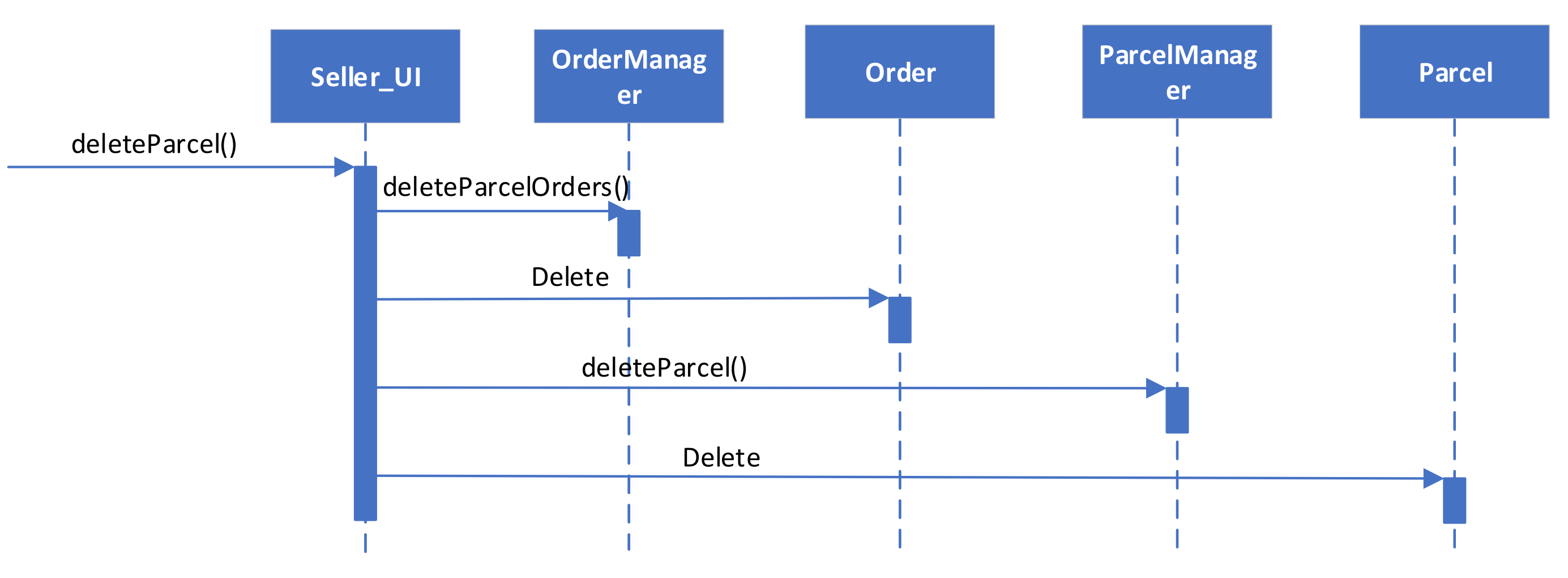

Driver_UI
TransactionManager
Transaction
OrderManager
Order
removeTransaction()
deleteTransaction()
Delete
updateOrder()
Update

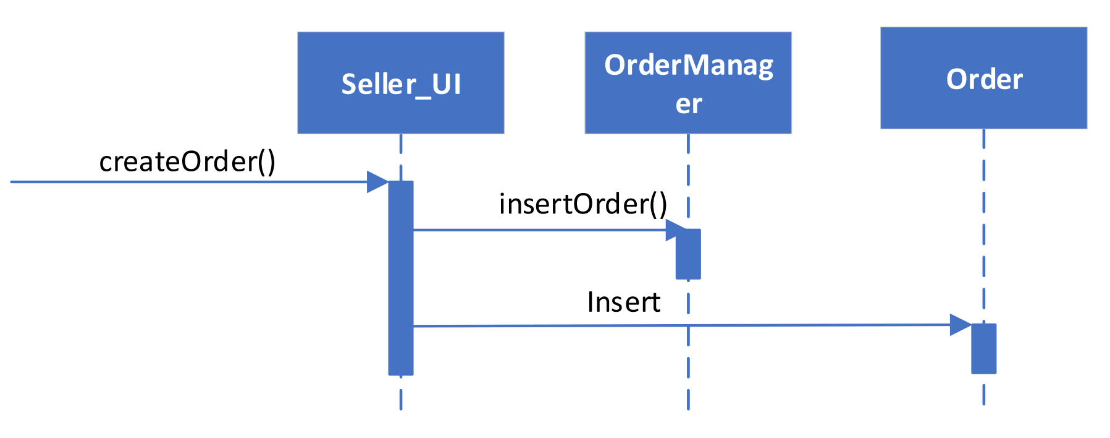

Seller_UI
ParcelManager
Parcel
viewParcel()
findParcel()
Select

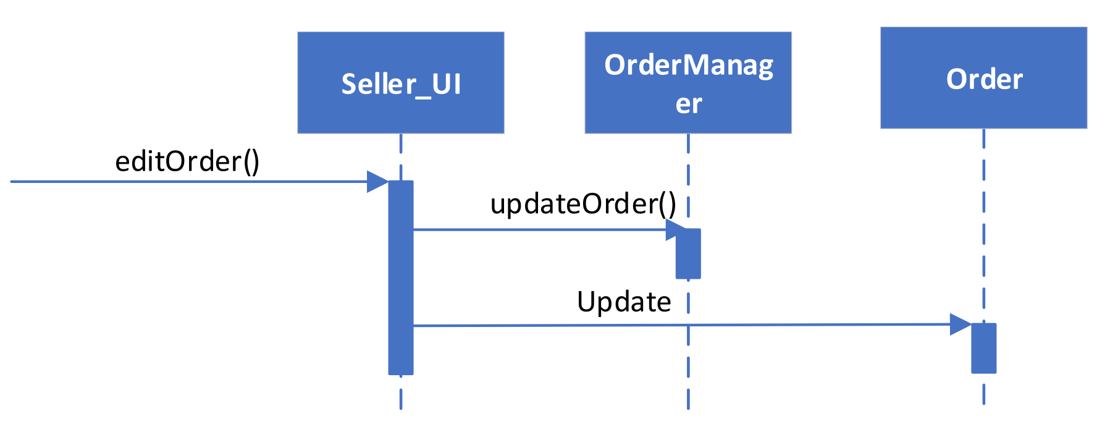

Seller_UI
ParcelManager
Parcel
viewAllParcels()
findAllParcels()
Select

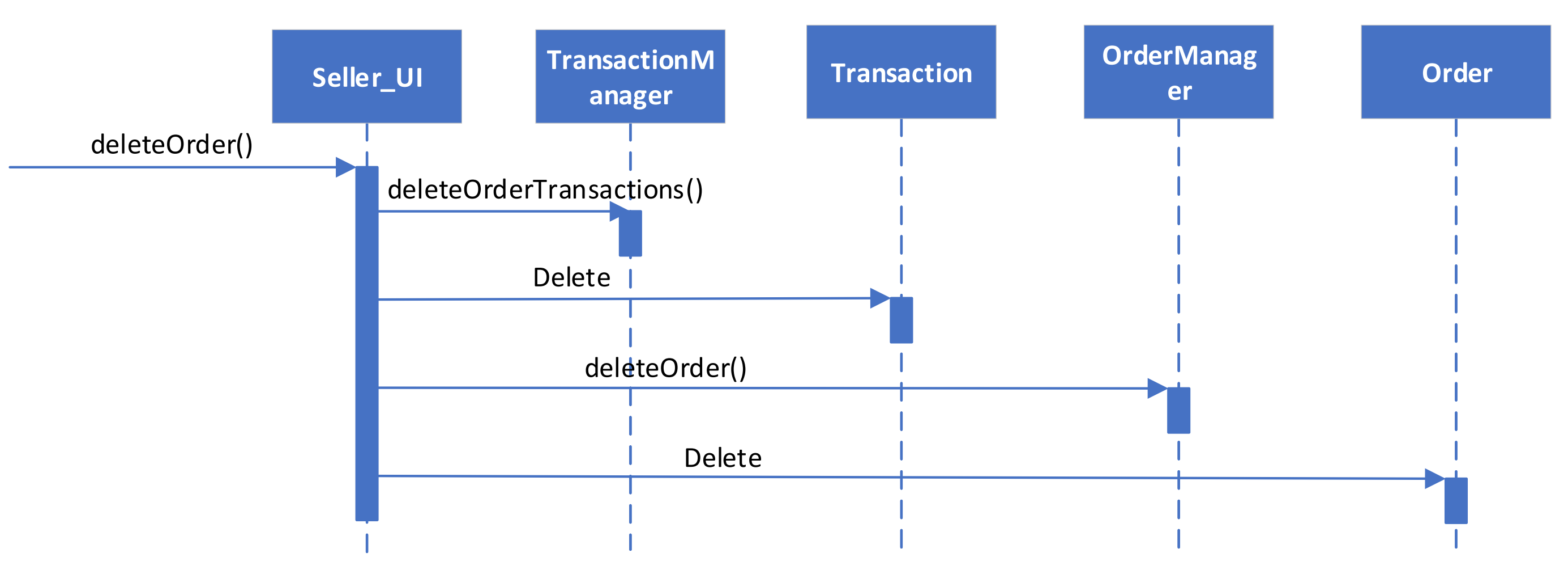

Seller_UI
ParcelManager
Parcel
createParcel()
insertParcel()
Insert

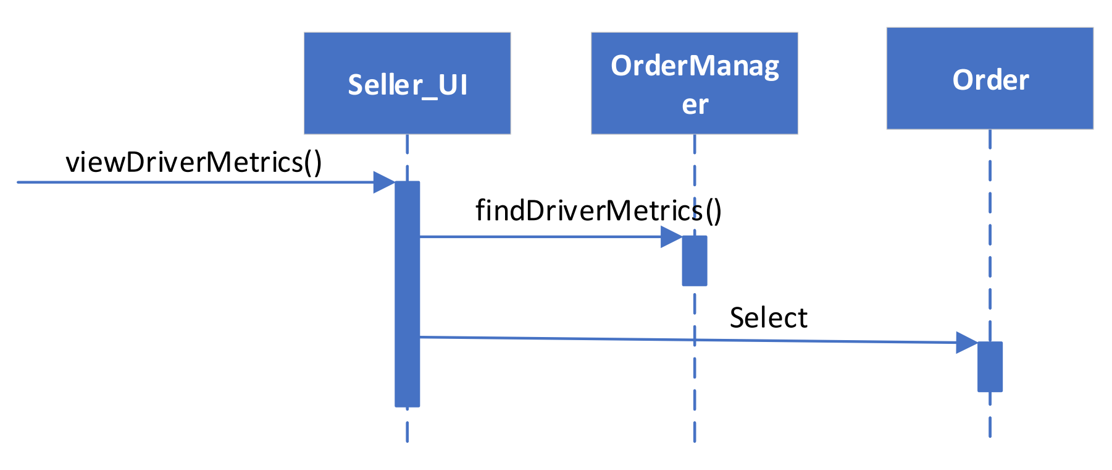

Seller_UI
ParcelManager
Parcel
editParcel()
updateParcel()
Update

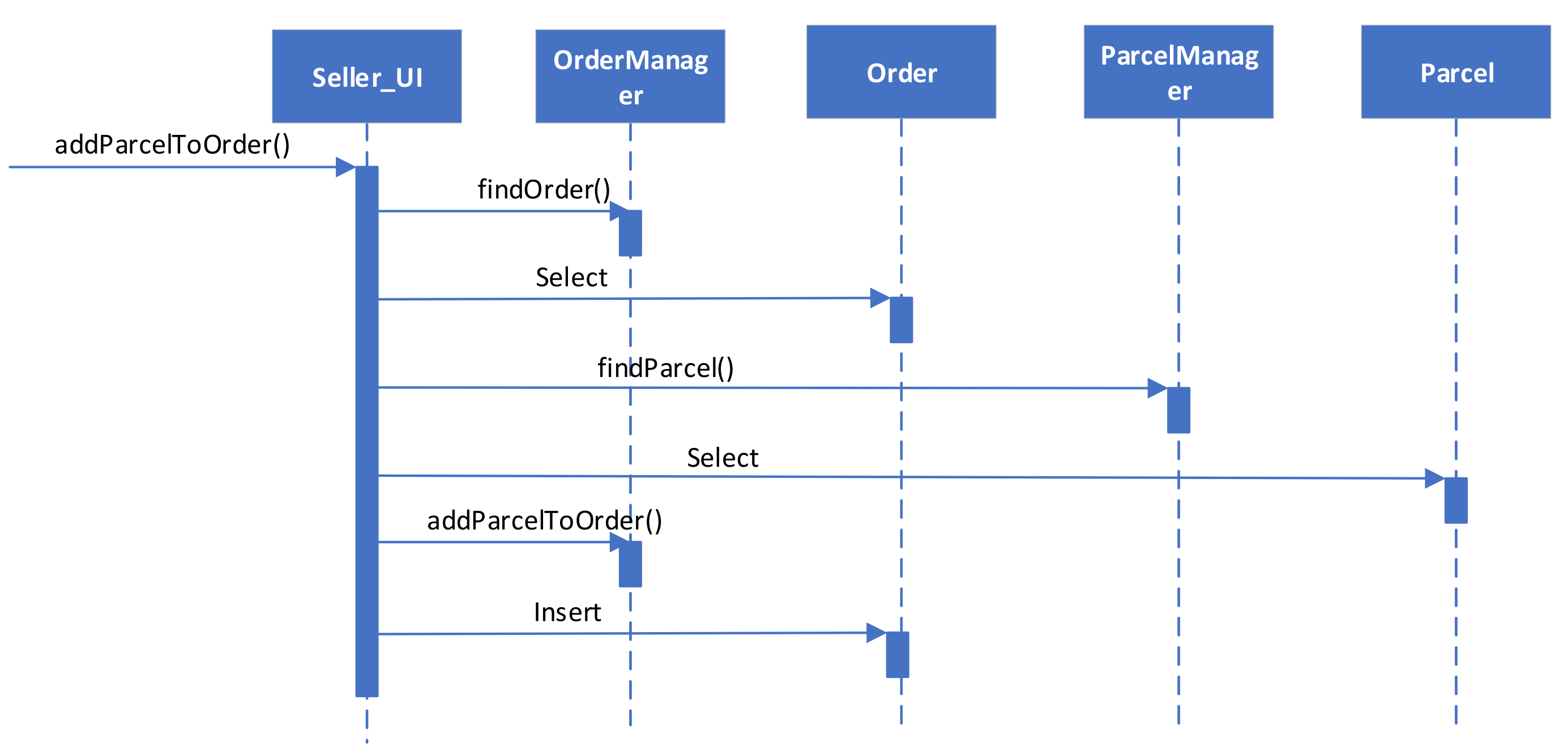

Seller_UI
OrderManager
Order
ParcelManager
Parcel
deleteParcel()
deleteParcelOrders()
Delete
deleteParcel()
Delete

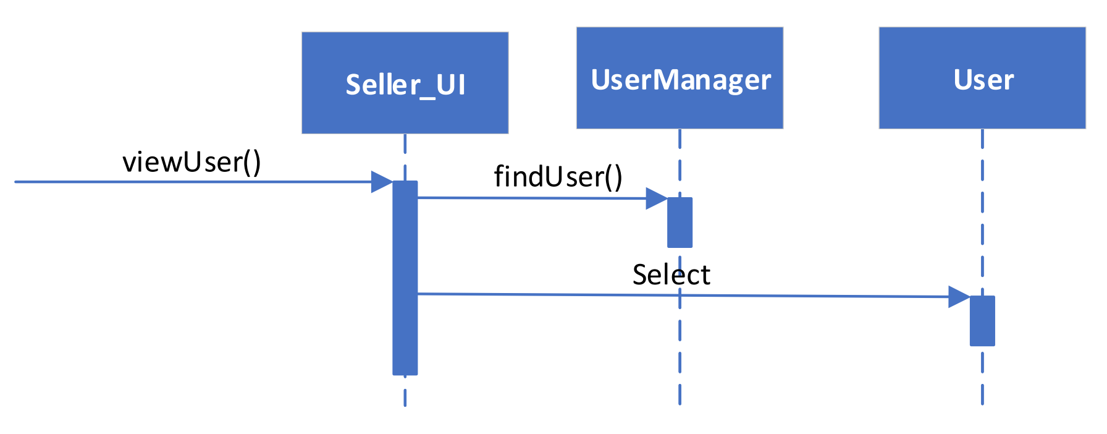

Seller_UI
OrderManager
Order
createOrder()
insertOrder()
Insert

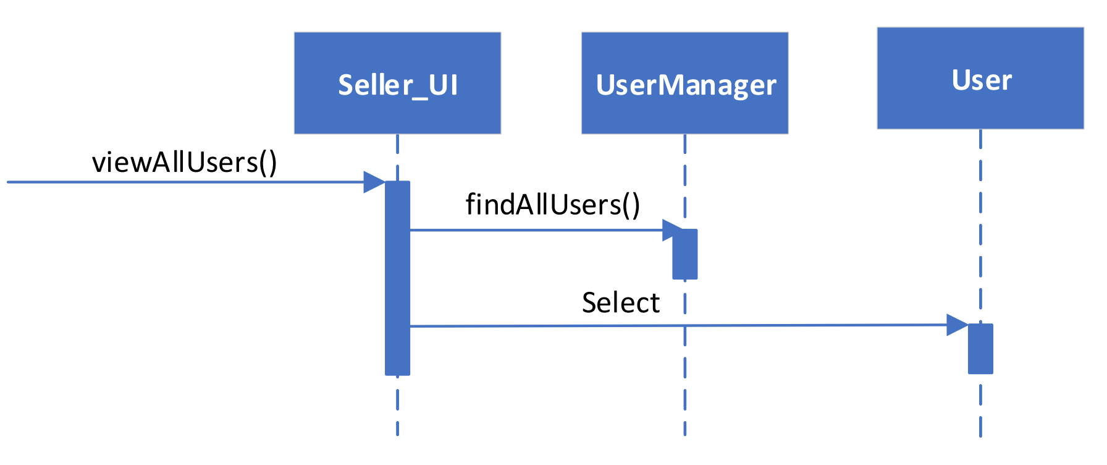

Seller_UI
OrderManager
Order
editOrder()
updateOrder()
Update

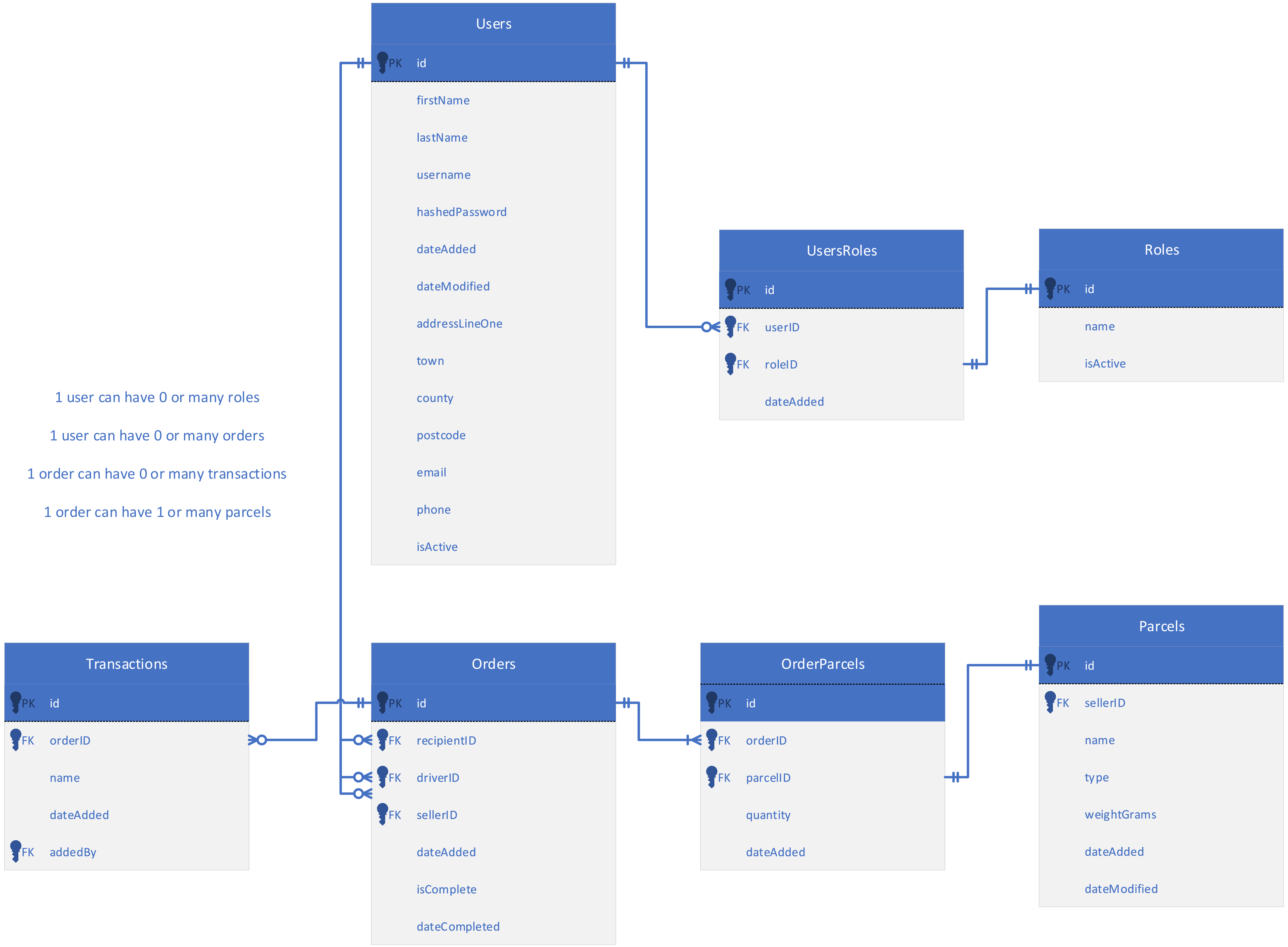

Seller_UI
TransactionManager
Transaction
OrderManager
Order
deleteOrder()
deleteOrderTransactions()
Delete
deleteOrder()
Delete


Seller_UI
OrderManager
Order
viewDriverMetrics()
findDriverMetrics()
Select


Seller_UI
OrderManager
Order
ParcelManager
Parcel
addParcelToOrder()
findOrder()
Select
findParcel()
Select
addParcelToOrder()
Insert


Seller_UI
UserManager
User
viewUser()
findUser()
Select


Seller_UI
UserManager
User
viewAllUsers()
findAllUsers()
Select



1 user can have 0 or many roles

1 user can have 0 or many orders

1 order can have 0 or many transactions

1 order can have 1 or many parcels