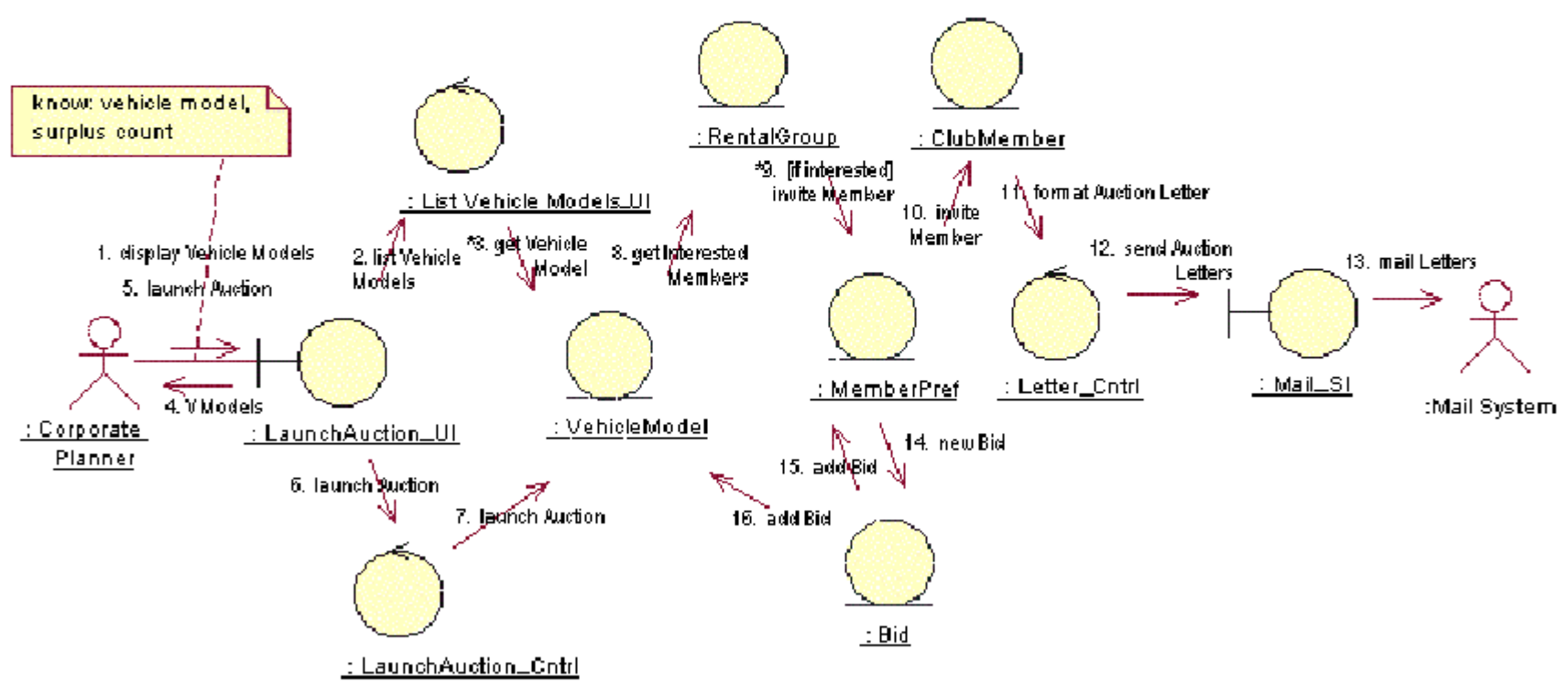


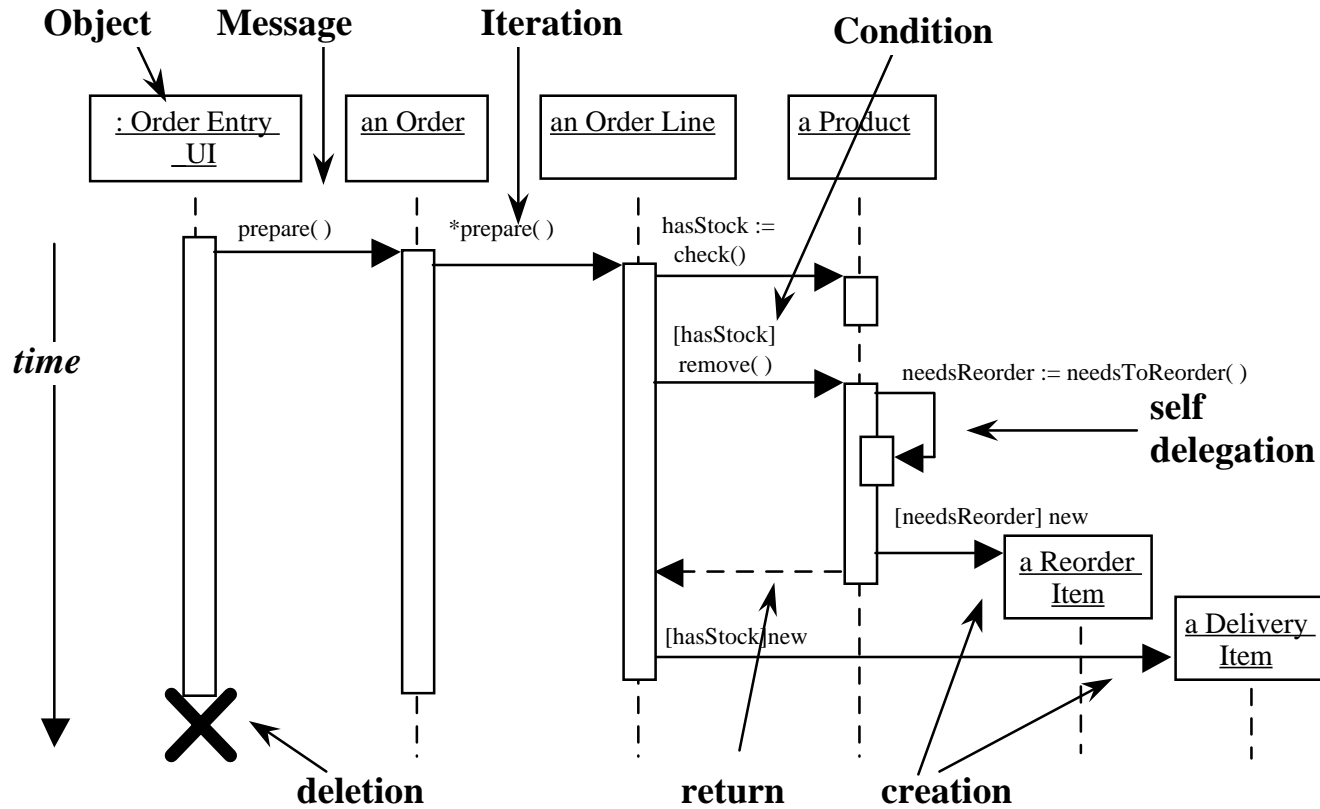
	VehicleModel	Bid	RentalGroup	MemberPref	ClubMember
1- Produce Rental Activity Summary	<ul style="list-style-type: none"> <li>[if new in last 6 months] ⇒ provide rental activity data ⇒ provide myRentalGroup</li> </ul>		<ul style="list-style-type: none"> <li>provide name</li> </ul>		
2- Launch Auction	<ul style="list-style-type: none"> <li>set surplus-count</li> <li>reduce inventory-count</li> <li>provide myRentalGroup</li> <li>provide model-name</li> <li>link to new Bid</li> </ul>	<ul style="list-style-type: none"> <li>&lt;birth&gt; ⇒ set amount = 0 ⇒ link to Auction ⇒ link to MemberPref</li> </ul>	<ul style="list-style-type: none"> <li>provide myMemberPrefs</li> </ul>	<ul style="list-style-type: none"> <li>[if member is "interested"] ⇒ provide myClubMember</li> <li>link to new Bid</li> </ul>	<ul style="list-style-type: none"> <li>provide contact info.</li> <li>trigger letter (auction)</li> </ul>
3- Accept Bid	<ul style="list-style-type: none"> <li>provide name</li> </ul>	<ul style="list-style-type: none"> <li>provide myAuction</li> <li>set amount</li> </ul>			<ul style="list-style-type: none"> <li>provide contact info.</li> <li>provide myBids</li> </ul>
4- Close Bidding	<ul style="list-style-type: none"> <li>provide name</li> <li>provide myBids</li> </ul>	<ul style="list-style-type: none"> <li>set status ("evaluating")</li> </ul>			
5- Notify Winning Bidder	<ul style="list-style-type: none"> <li>provide name</li> <li>provide myBids</li> </ul>	<ul style="list-style-type: none"> <li>provide amount</li> <li>set status ("outstanding")</li> <li>provide myBidder</li> </ul>			<ul style="list-style-type: none"> <li>provide contact info.</li> <li>trigger letter (winner)</li> </ul>
6- Receive Payment	<ul style="list-style-type: none"> <li>provide name</li> <li>reduce surplus-count</li> </ul>	<ul style="list-style-type: none"> <li>provide amount</li> <li>provide myAuction</li> <li>set status ("paid")</li> </ul>			<ul style="list-style-type: none"> <li>provide contact info.</li> <li>provide myBids</li> <li>trigger letter (receipt &amp; instructions)</li> </ul>
7- Receive Refusal		<ul style="list-style-type: none"> <li>set status ("refused")</li> </ul>			<ul style="list-style-type: none"> <li>provide contact info.</li> <li>provide myBids</li> <li>send email to Auctioneer</li> </ul>
8- Conclude Auction	<ul style="list-style-type: none"> <li>provide name</li> <li>set surplus-count to 0</li> </ul>				
9- Notify Losing Bidder	<ul style="list-style-type: none"> <li>provide name</li> <li>provide myBids</li> </ul>	<ul style="list-style-type: none"> <li>[if status = "evaluating"] ⇒ set status ("losing") ⇒ provide myBidder</li> </ul>			<ul style="list-style-type: none"> <li>provide contact info.</li> <li>send email to relationshipManager</li> <li>trigger letter ("sorry")</li> </ul>



### Launch Auction



# A Sequence Diagram



# Case Study

Review the case study

reduce the ambiguity

simplify your efforts

# Review the state of EU-Rent

- What is their current system ?
- What are the current projects ?
- Where does EU-Bid and EU-Lease fit in?

# Assumptions

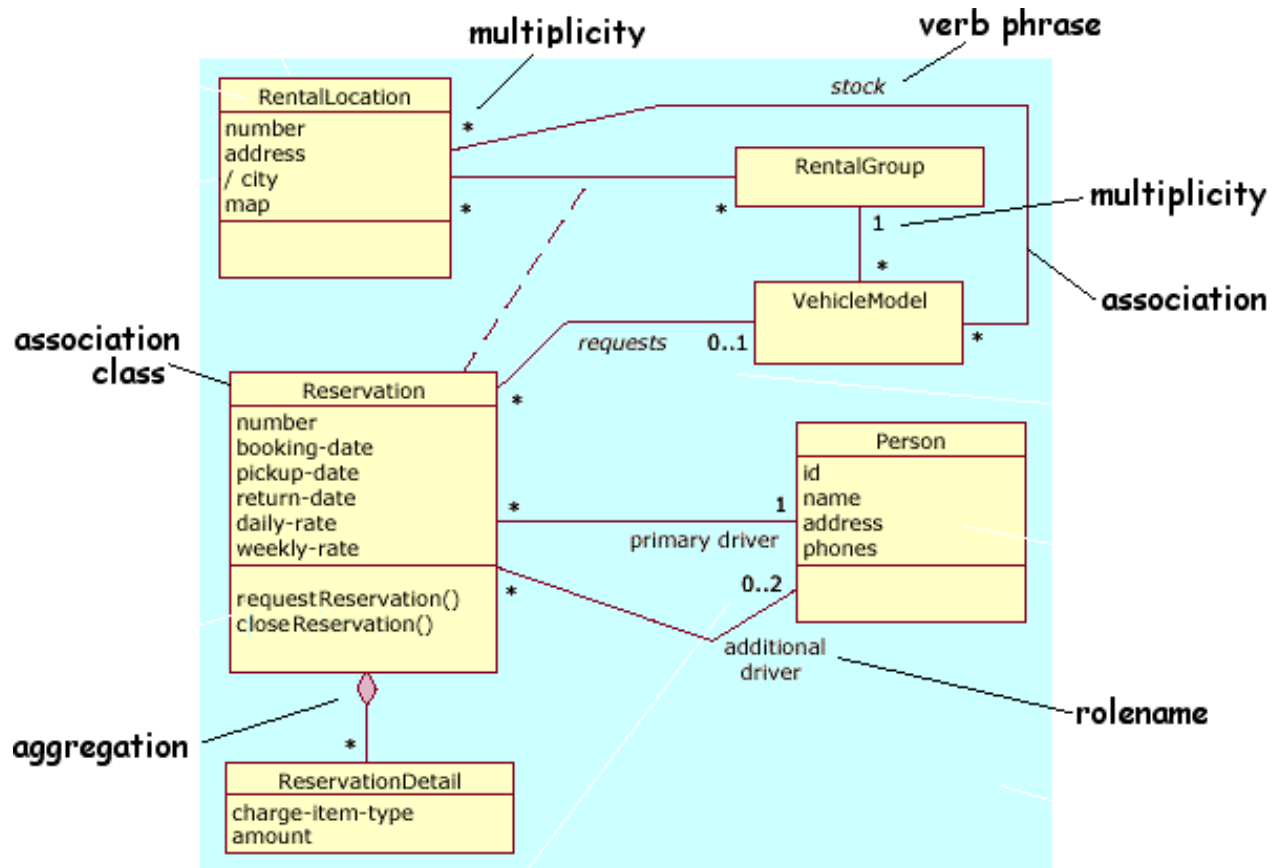
- EU-Rent is overhauling their systems – currently all the information is held at each branch. They want better coordination between branches.
- EU-Inventory Management
- EU-Loyalty
- EU-Bid will be implemented within the year.
- EU-Lease will be implemented within the year



# Assumptions, cont.

- How will payment be handled?
- Is this just for one branch only or many?

# EU-Rent



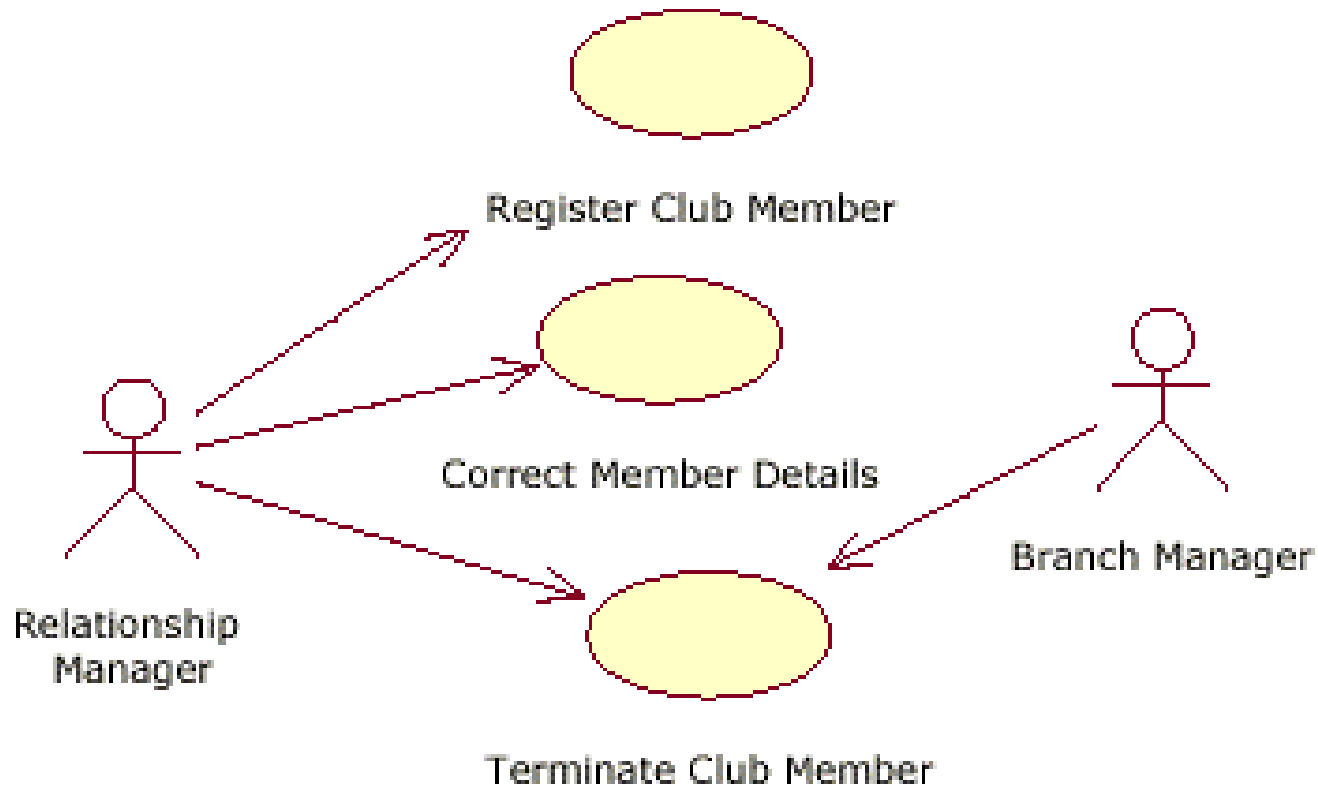
# EU-Lease Entity Classes

- If you could only implement one entity class, what would it be?
- Emphasizing actors as classes – branch manager, relationship manager
- Inconsistency with existing domain – rental location versus branch,
- Leaseholder versus customer -what if a leaseholder also rents short term
- Poor names – i.e. Vehicle ID as a class name isn't a very good name
- Confusion within vehicle model, vehicle, rental group, rental location
- Reports as classes; UpdateVehicleInv – is this a class?

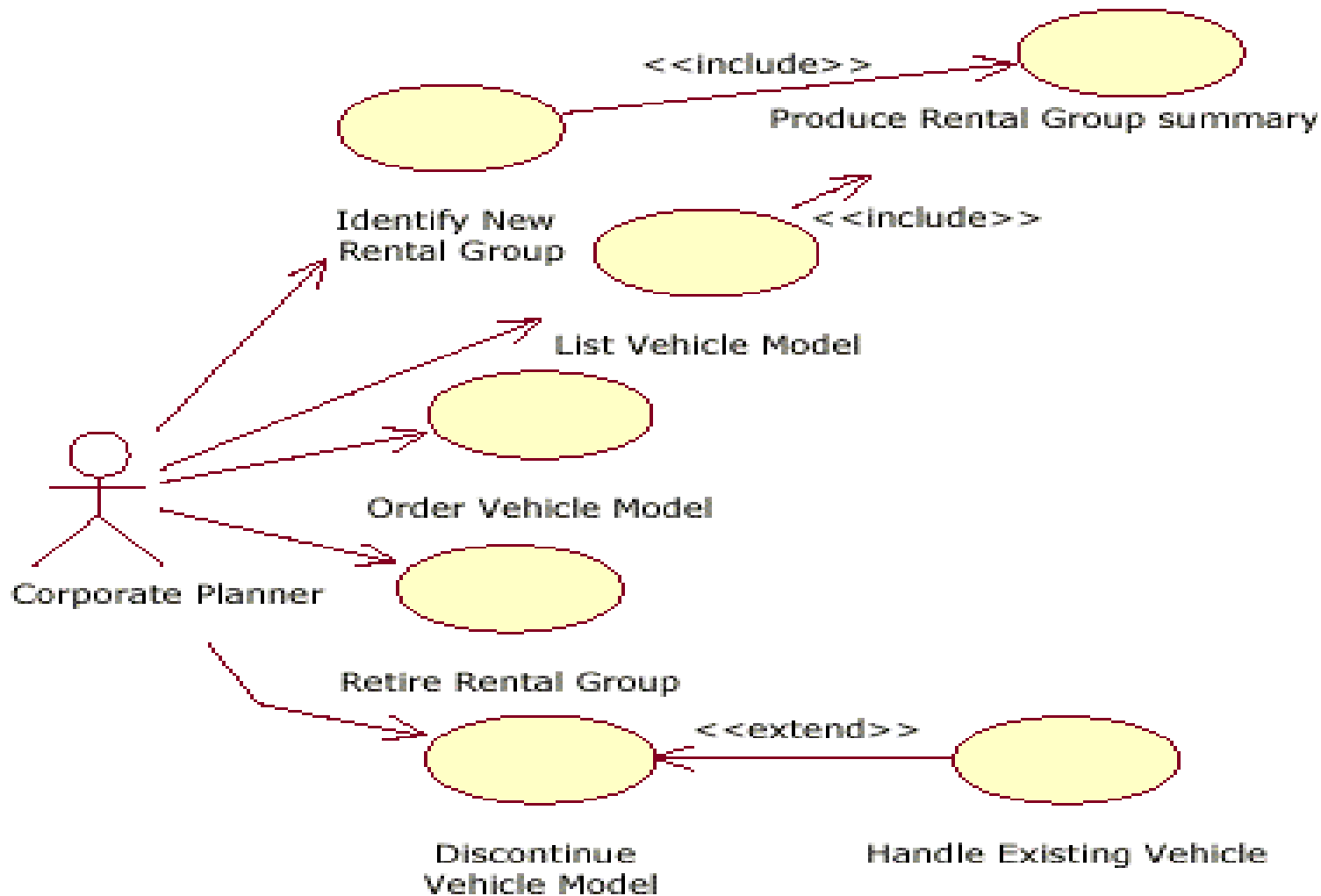
# EU-Lease Use Cases

- Is adding a branch location part of this system?
- Is there a need to write letters?
- How is pricing determined?

# Loyalty Program - Use Cases



# Inventory Management - Use Cases



# Sequence Diagrams

- Why create?
- Objects along the top
- Messages passed between objects
- One per use case – got to make sure your use cases are correct in order to make this work

# Tasks

- Reread the case study materials: interviews
- Review Domain Models
- Review Use Case Models
- Make modifications as needed