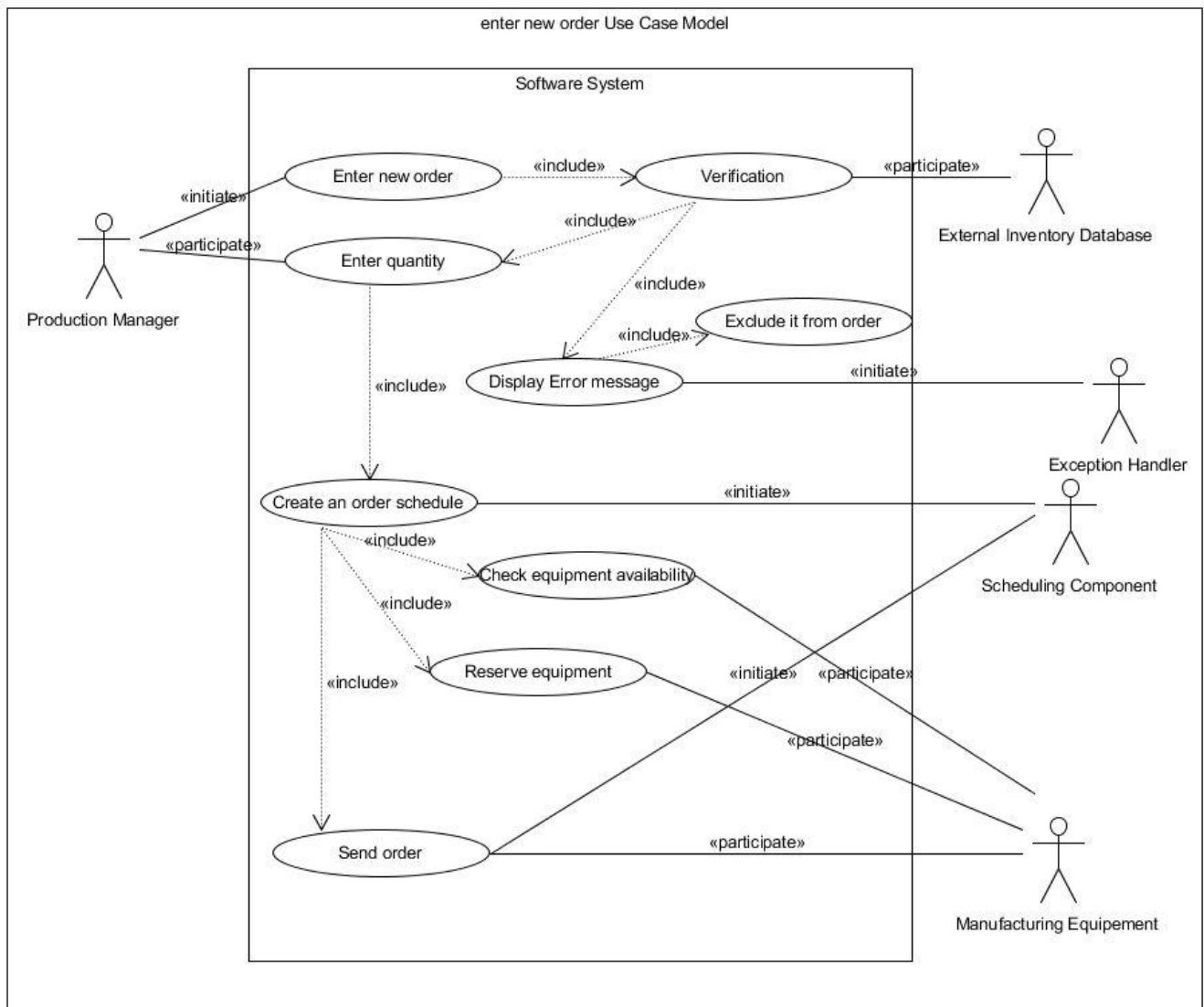


Assignment1

Name: Kaichen Zhang

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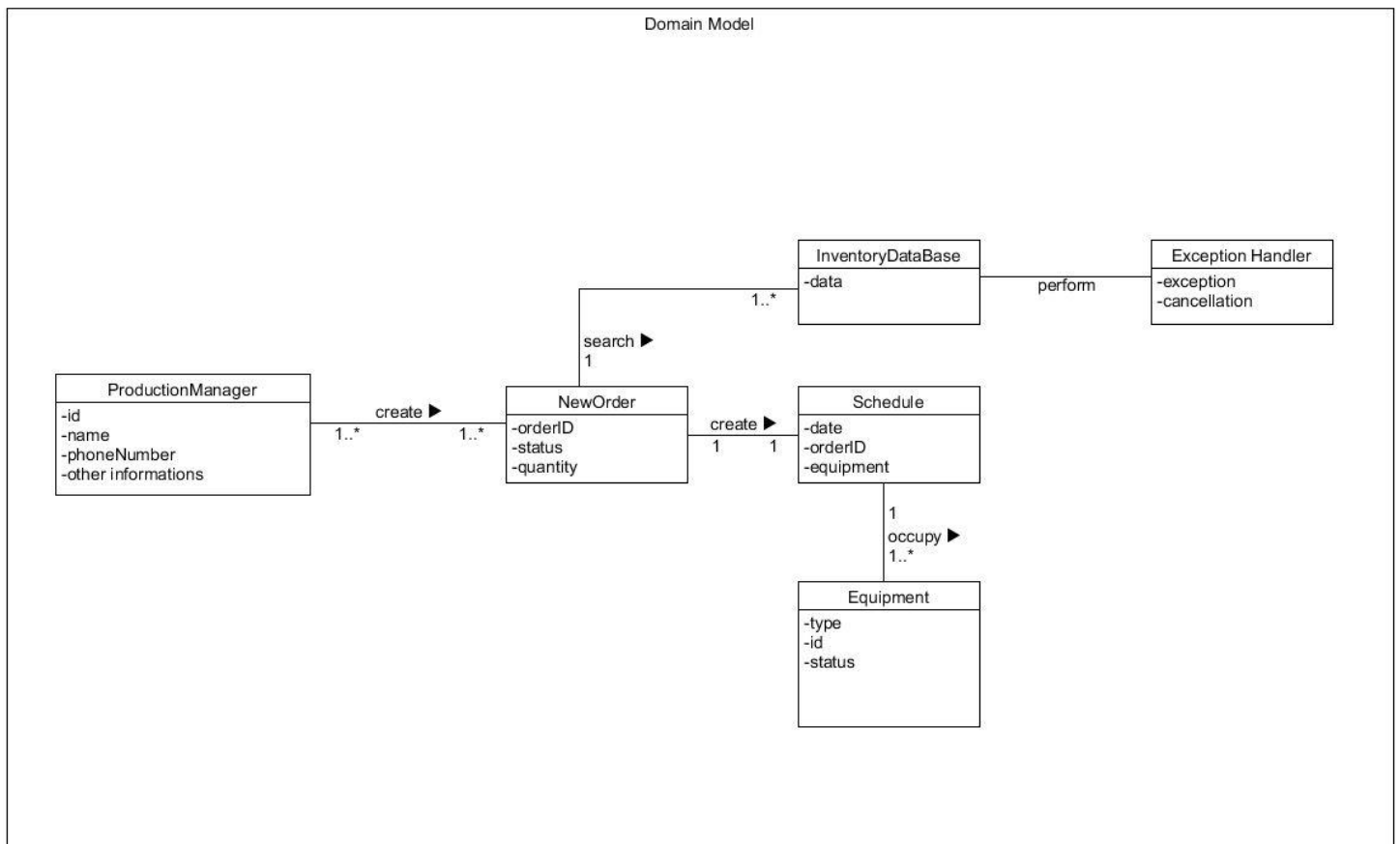
1. Use case diagram for production manager



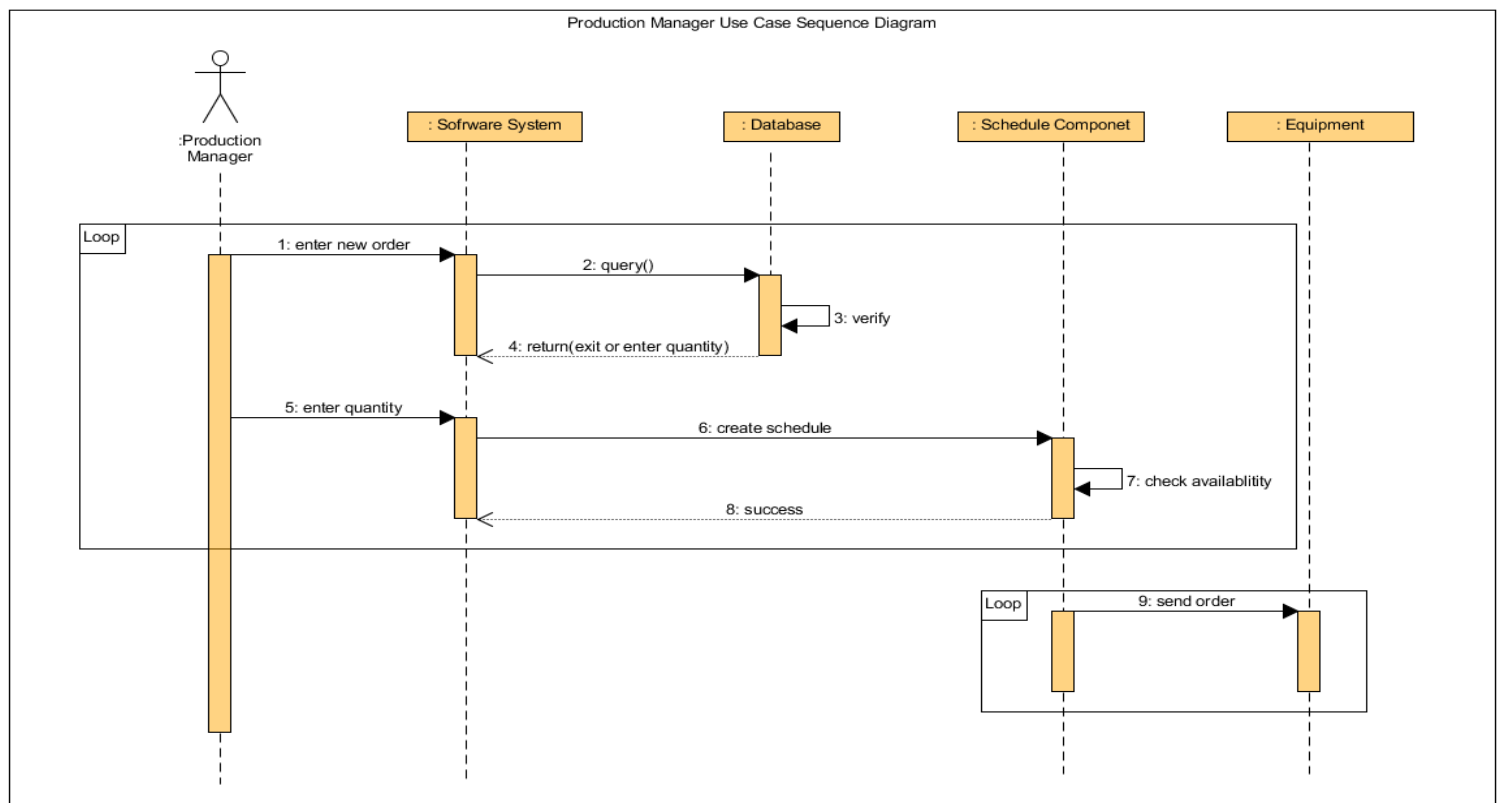
2. A fully dressed main

Use Case:	Creat New Order
Initiating Actor:	Floor Production Manager
Actor's Goal:	Create new order
Participating Actors:	External Database, Scheduling Component, Exception Handler, Equipment
Preconditions:	Valid manager user logged into the system
Post conditions:	Floor Production Manager has made new order of products or exit the system with exception.
Flow of Events for Main Success Scenario:	
—>	1. Floor Production Manager starts the system.
—>	2. Floor Production Manager create a new order.
<—	3. The system will verify with an external inventory database.
<—	4. If items are still available return success and require enter quantity.
<—	5. If it is not available display error, and excludes it from the order.
—>	6. The floor product manager enters the quantity.
—>	7. The scheduling component creates an order schedule.
—>	8. The scheduling system will check equipment availability and reserve equipment.
—>	9. The scheduling system will send the order to the manufacturing equipment.

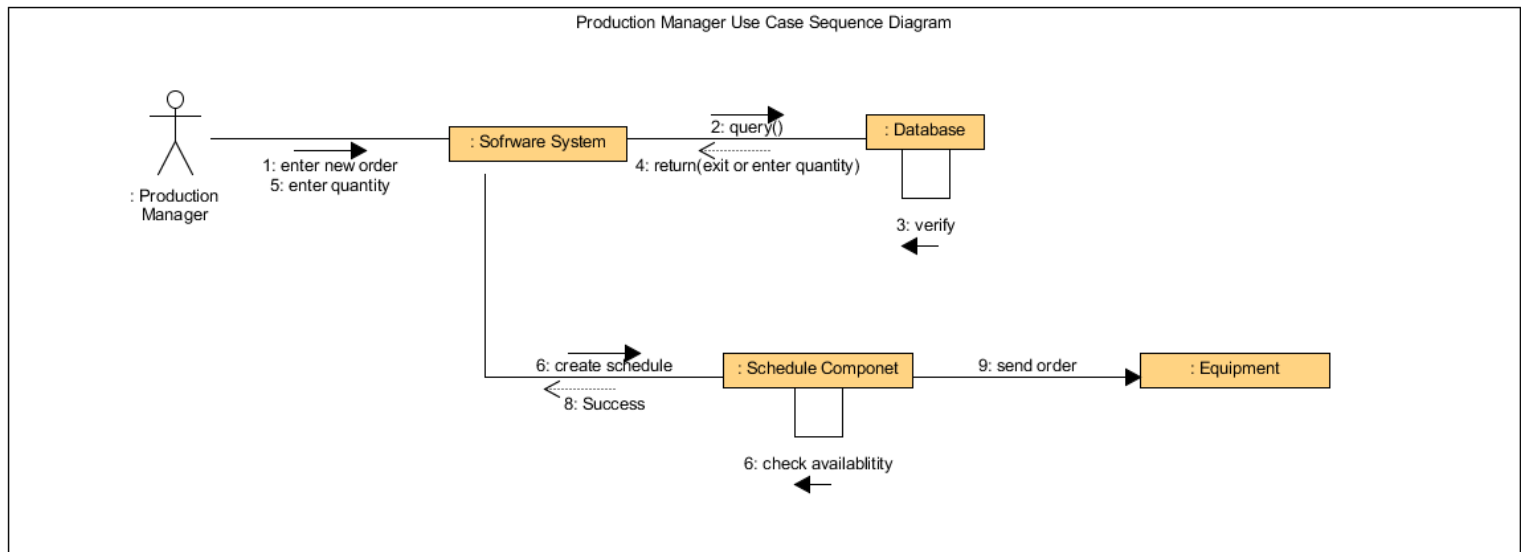
3. Domain Model



4. Sequence diagram for production manager



5. Collaboration Diagram



6. System Sequence diagram

