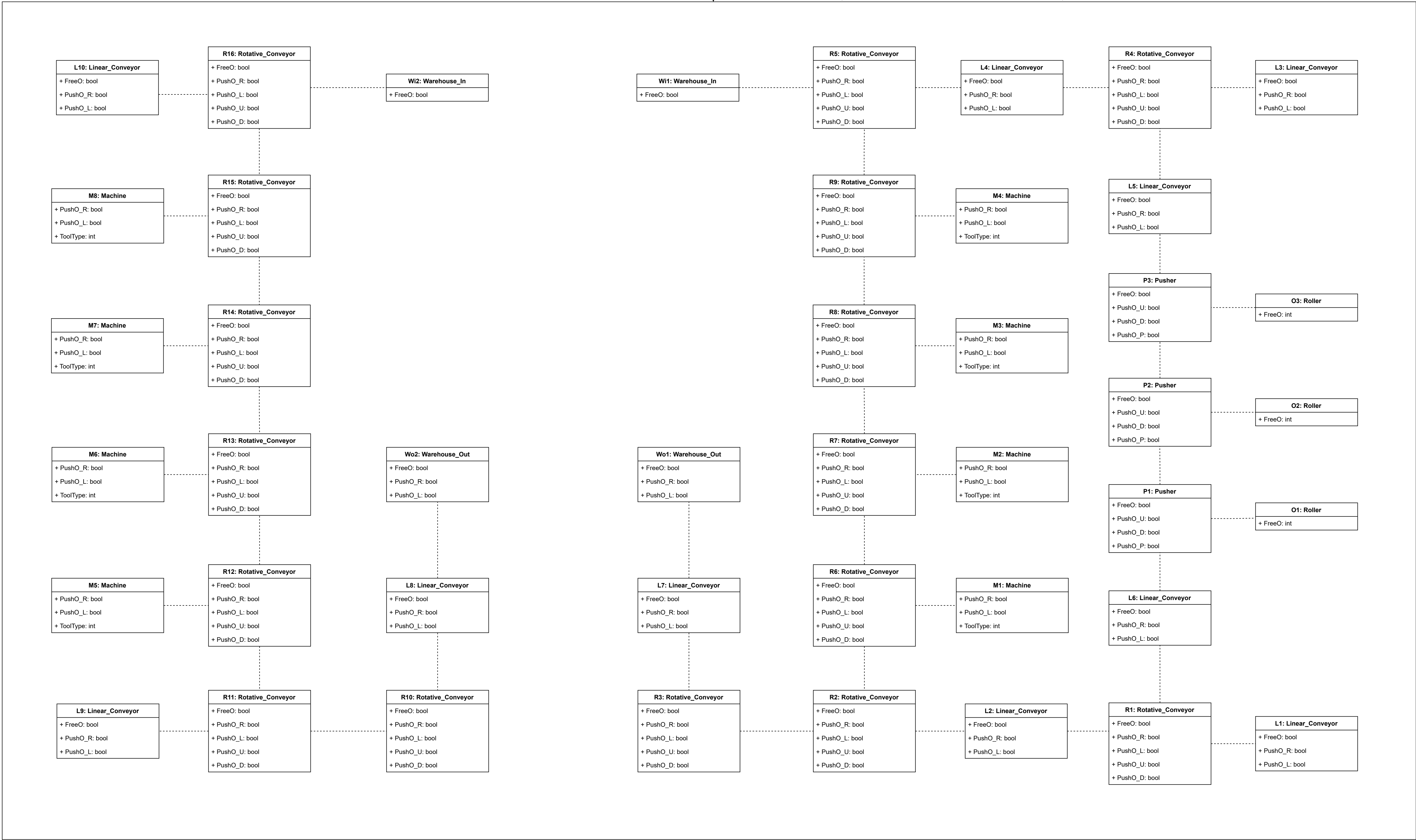
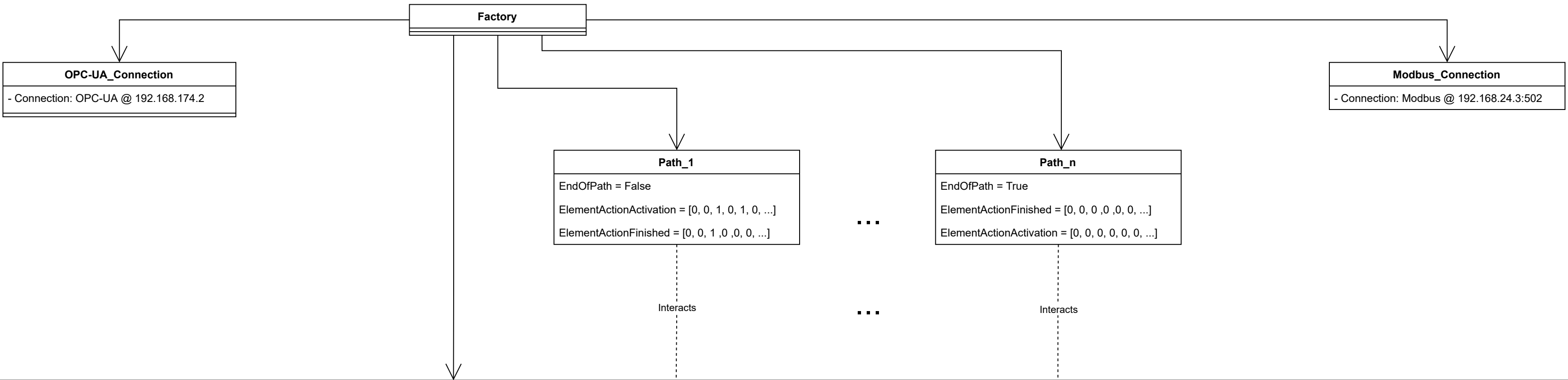
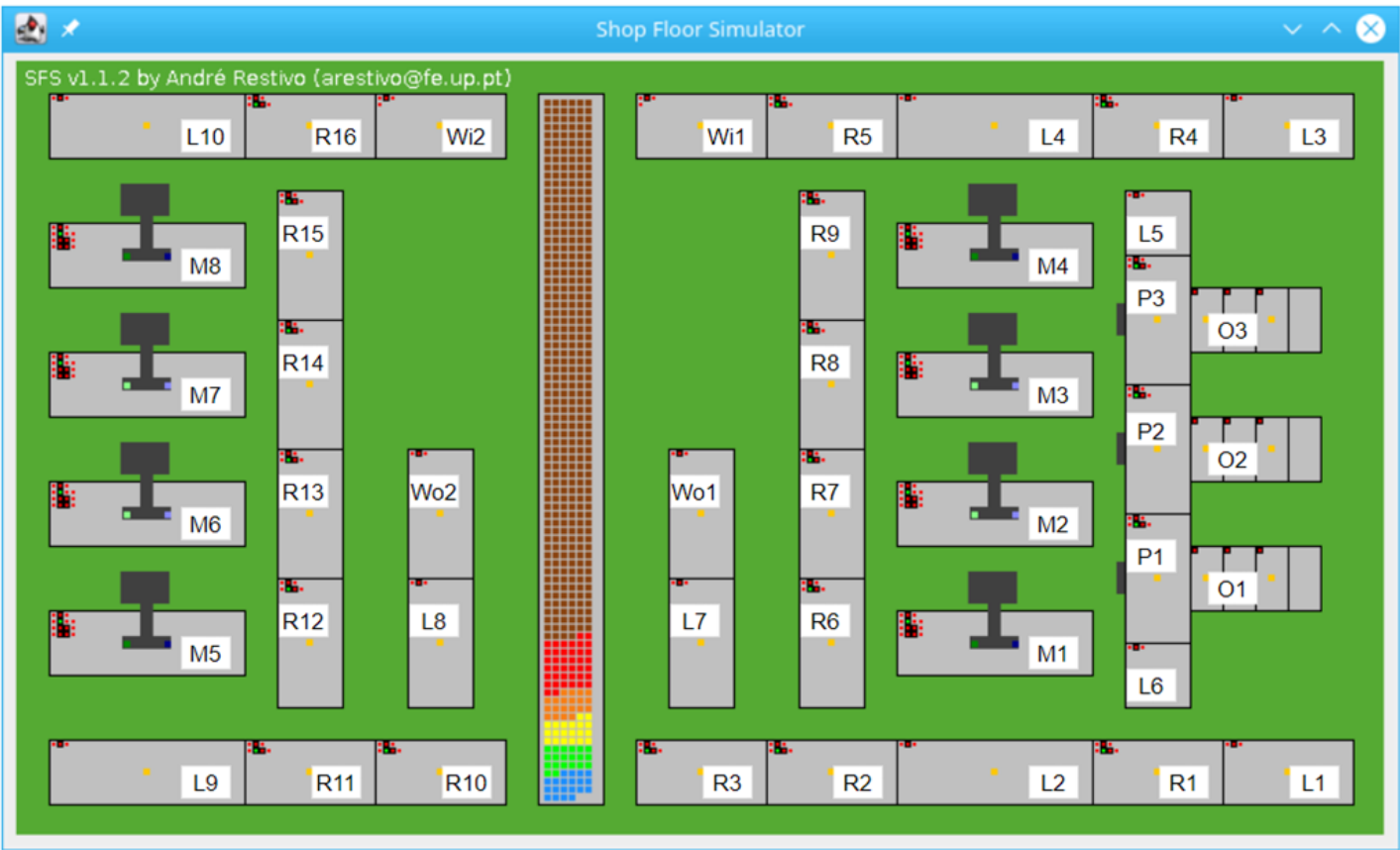


UML Object Diagram - PLC

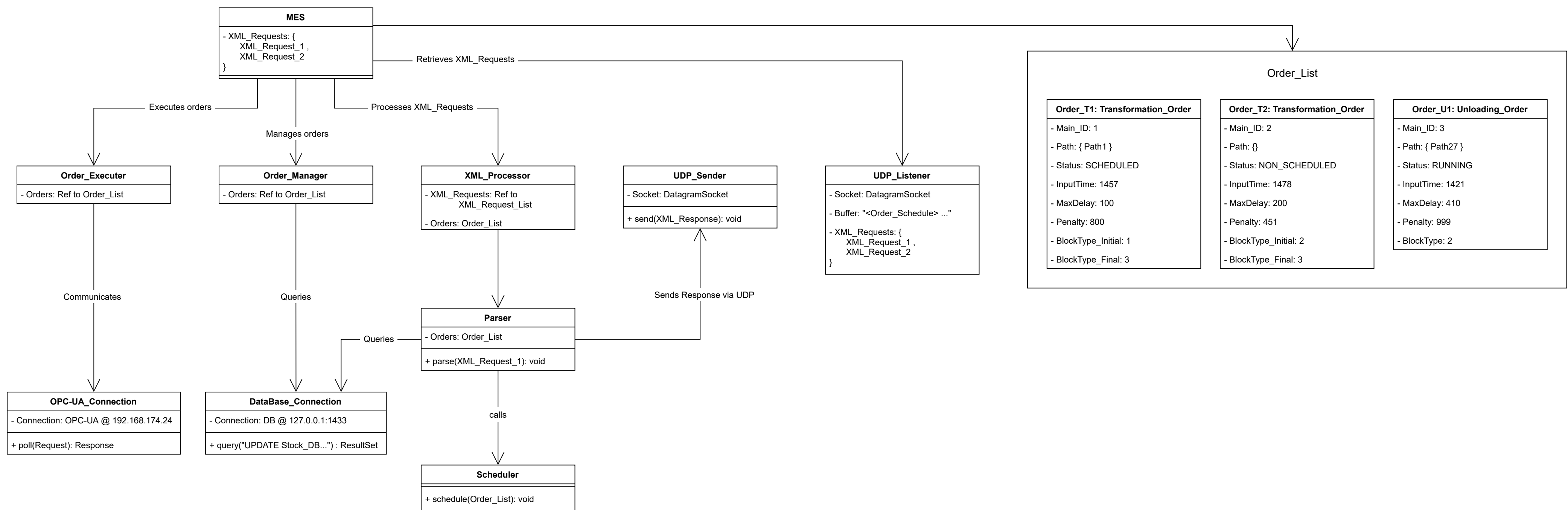
II 2020/2021

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Note: A description of the interaction between paths and conveyors is presented in another file.

UML Object Diagram - MES



UML Object Diagram - DB

Transformation_Order_DB											
Main_ID	BlockType_Initial	BlockType_Final	Total_Quantity	Finished_Quantity	Running_Quantity	Send_Time	Arrival_Time	MaxDelay	Penalty	Start_Time	End_Time
1	P1	P2	1	1	0	1234	1235	500	787	1512	1580
2	P4	P5	1	1	0	1239	1240	500	454	1520	1590
3	P2	P3	1	1	0	1423	1425	500	400	1620	1660
4	P6	P7	1	1	0	1467	1470	500	350	1740	1750

Stock_DB	
BlockType	Quantity
P1	399
P2	40
P3	21
P4	19
P5	21
P6	19
P7	0

Machining_Stats_DB			
Machine_ID	BlockType_Initial	BlockType_Final	TimeStamp
M1	P1	P2	1541
M2	P4	P5	1574
M3	P2	P3	1647
M3	P6	P7	1745

Unloading_Order_DB			
Main_ID	BlockType	Zone	TimeStamp
1	P7	O1	1764