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Classification Yard : Simulation - AnyLogic Personal Learning Edition

Classification Yard

2D Animation 3D Animation Logic

Logic flowchart showing the simulation process for the Classification Yard. The process starts with 'trainArrivals' leading to 'toDisassembly'. From 'toDisassembly', the flow goes to 'decouple', then 'toExit', 'trainMoveTo', 'trainCompleted', 'trainMoveTo1', 'coupleSameType', 'decoupleLoco', 'coupleLoco', and 'trainDispose'. There are also branches for 'disassemblyNotCompleted' leading to 'locoToDisassembly' and 'locoToWait', and a 'hold' block at the end.

histTimeInYard
0 samples

trackDisassembly
com.anylogic.engine.markup.Ra...

nTrainsEntered
2

nTrainsExited
0

selectedCar
4

trainSizeWithLoco
11

carsToDecouple

getAssemblyPoint

getDisassemblyPoint

getLocoPoint

infoOnSelectedCar

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3D animation view of the Classification Yard simulation. It shows a curved track with several trains. A blue arrow indicates the direction of travel. Text labels indicate '3 train(s) entered yard' and '1 train(s) exited yard'.

Information on the selected car:

Click a car to select it

Hopper
Entered yard at 27.44249252867892
Moving at 11.202m/s
Front side is on track '_trackExit0Main' at 6.405
Rear side is on track '_trackExit0Main' at 20.405
Coupled at front side

Statistics

Time in rail yard for a car (better viewed in fast mode)

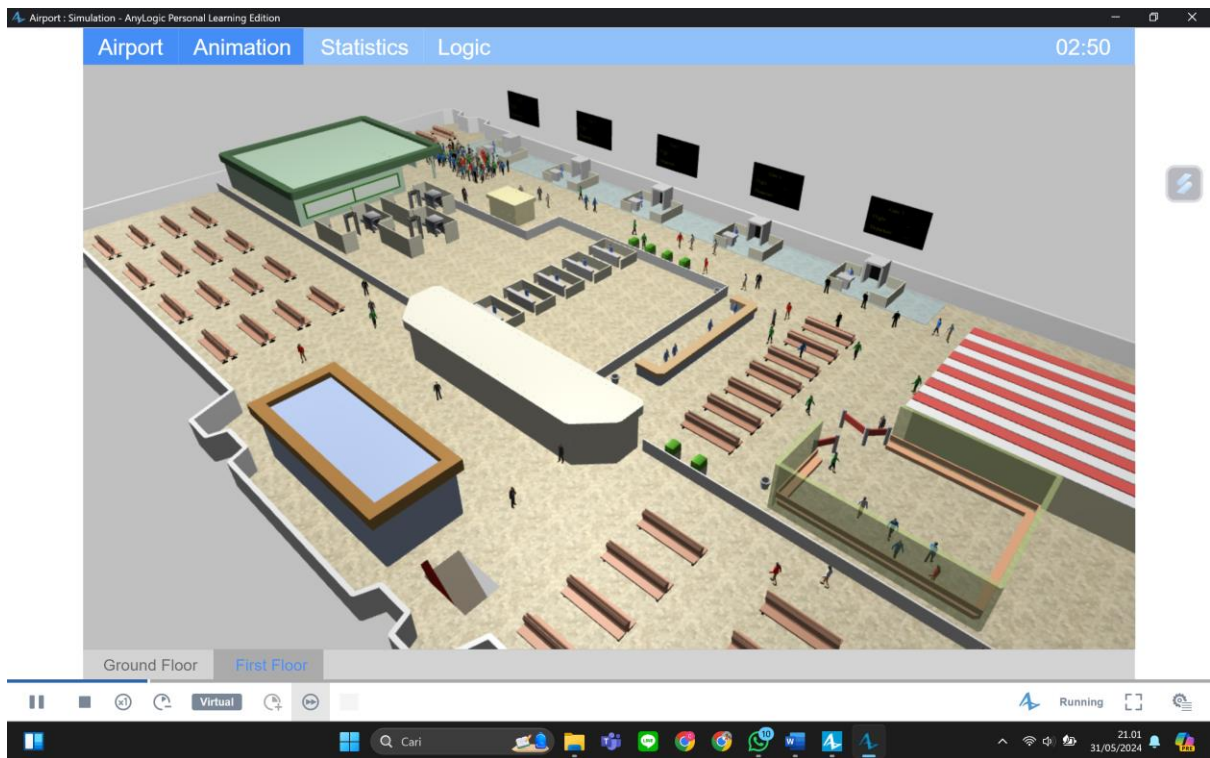
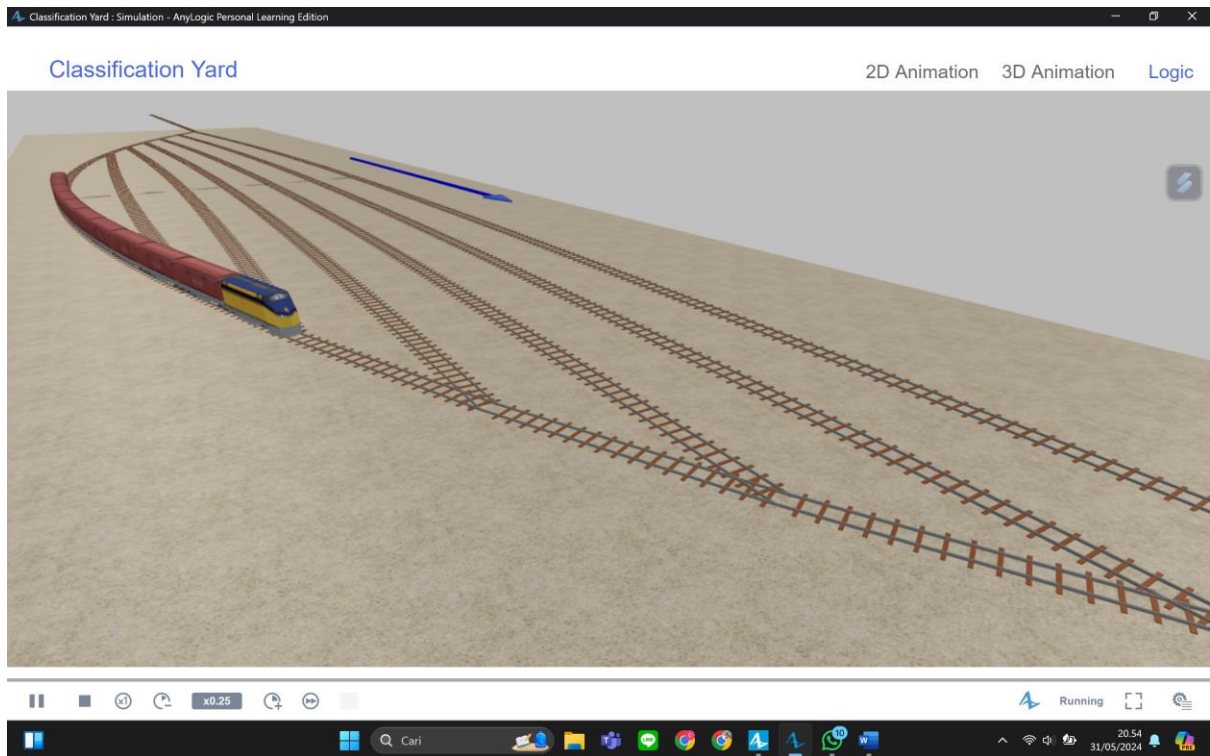
Time (s)	Percentage (%)
0-10	35
10-20	10
20-30	55
30-40	55
40-50	10
50-60	5
60-70	5
70-80	5
80-90	5
90-100	5
100-110	5
110-120	5

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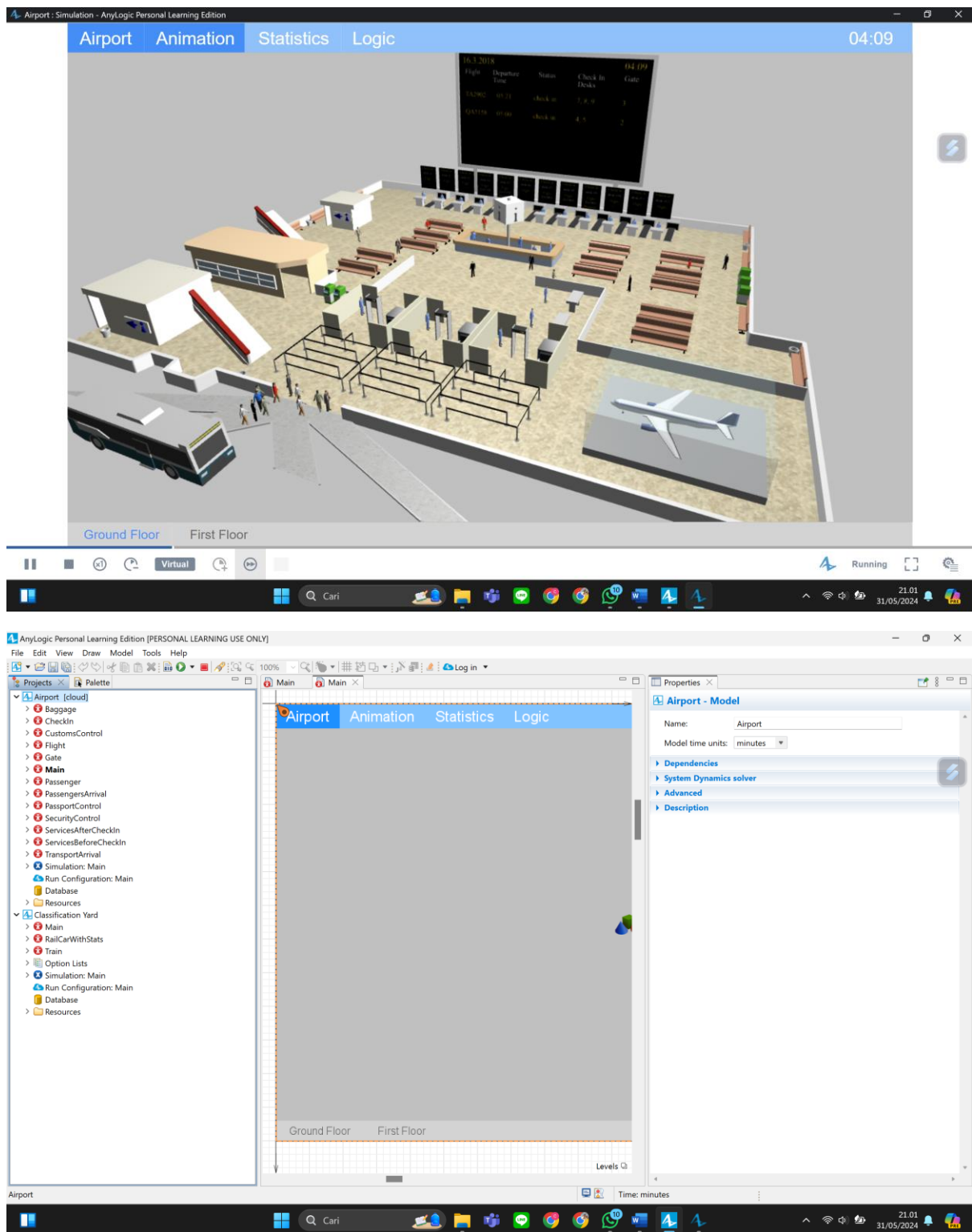
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Pada aplikasi anylogic merupakan sebuah aplikasi yang memodelkan multi-metodologi yang dapat digunakan di sebuah perusahaan secara sistematis dan terstruktur. Dalam dua simulasi diatas dapat diambil kesimpulan bahwasannya pada simulasi railyard bisa kita tarik kesimpulan adalah pada simulasi tersebut kita dapat mengatur lajur kereta, posisi kereta dan kecepatan kereta sesuai dengan apa yang kita inginkan secara otomatis. Pada simulasi kedua dengan contoh airport kita dapat menarik kesimpulan bahwa pada simulasi tersebut didapatkan

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mengenai alur penumpang mulai dari kedatangan hingga check-in. Semua dapat diatur sesuai dengan yang telah kita tentukan dan nantinya semua akan berjalan otomatis pada simulasi tersebut