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COURSE: BBM203

EXPERIMENT: Assignment III

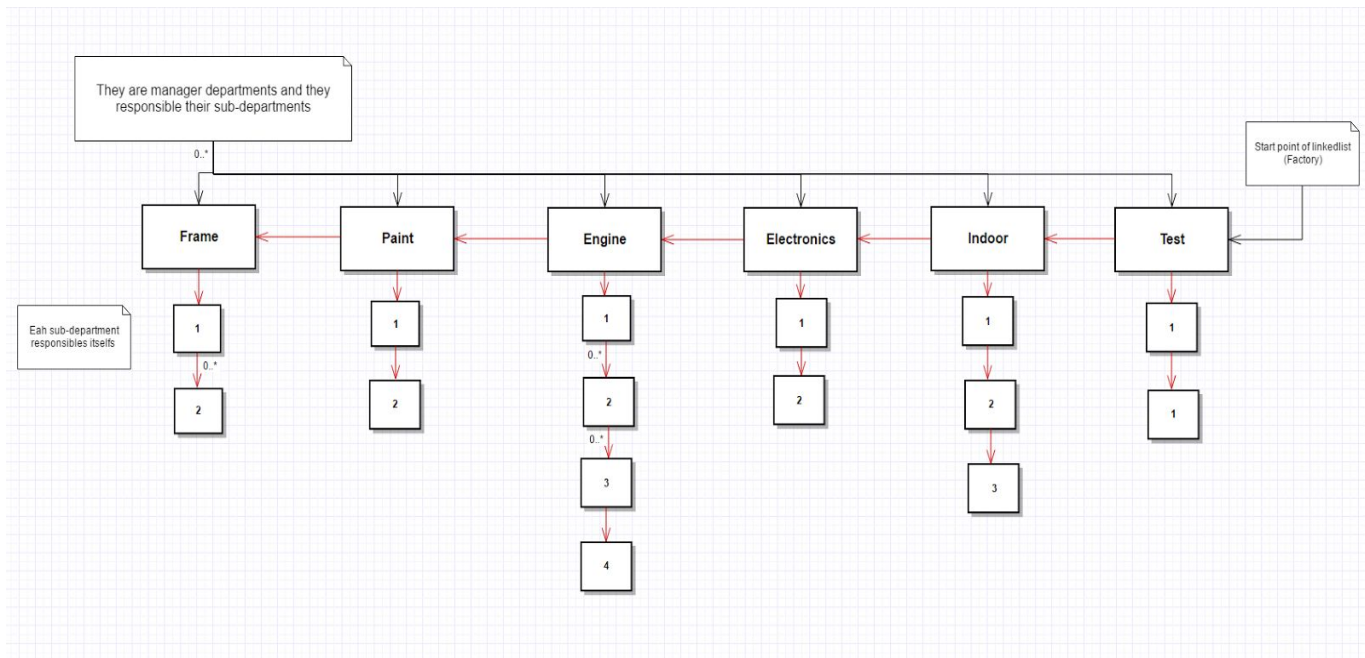
SUBJECT: Car Production Line Simulation

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Structure



Example of my structure(For in1sample.txt)

We have the manager departments for each different department type. These manager departments are responsible for their sub-departments.

The tasks of a manager department :

- 1)The manager department processes their all sub-departments
- 2)The manager department determines the cars which are ready to send out
- 3)If there is opening on the next department, the current manager department transfer the cars which are ready to send out to the next department. If the current department is the last department, then the cars which are ready to go are sent out from the factory.
- 4)After all the transfers has been done, the manager department determines opening in its sub-departments and reports the number of opening to the previous manager department.

The tasks of a sub-department:

- 1)The sub-department reports that whether there is opening or not to manager department.
- 2)The sub-department reports to manager departments when there is a car which is ready to send out.
- 3)The sub-department does the necessary operation on the car which is in the department.

The explanation of structure:

I used linkedlist for this structure. My head pointer shows last manager department. The Manager departments points its own sub-departments. The all manager department process their all sub-departments, then determines opening in its sub-departments and reports the number of opening to the previous manager department. First manager department takes new cars for each opening in its sub-departments.