Requirements for 1st step:

Manually ask for the advancement of time

Evolution with time:

* Budget / Funds
* Status of every machine
* Health / Sickness of every employee
* Contents of inventory per type of item
* Total profit from start of simulation (Without initial funds)
* Total profit from start of simulation (Without nitial funds)   
  per hour worked per employee

Snapshot (at the current moment):

* Budget / Funds
* Number of employees healthy / total number of employees

|  |  |
| --- | --- |
| Simulation:   * Time * Enterprise   + Departments   + Employees   + Machines     - Input: Items     - Output: Item     - Operator: Employees     - Support (repairs): Employee   + Inventory     - Items + Quantities   + Market     - Items + Prices | Start: time: Day=1, Hour=0  Check if SupervisorAdminDepartment can operate  Assign ProductionEmployees to Machines  Assign SupportEmployees to Machines Run ProductionDepartment (Operate Machines)  Sell and Buy Items  End  Update sick employees  Update random machine damages |