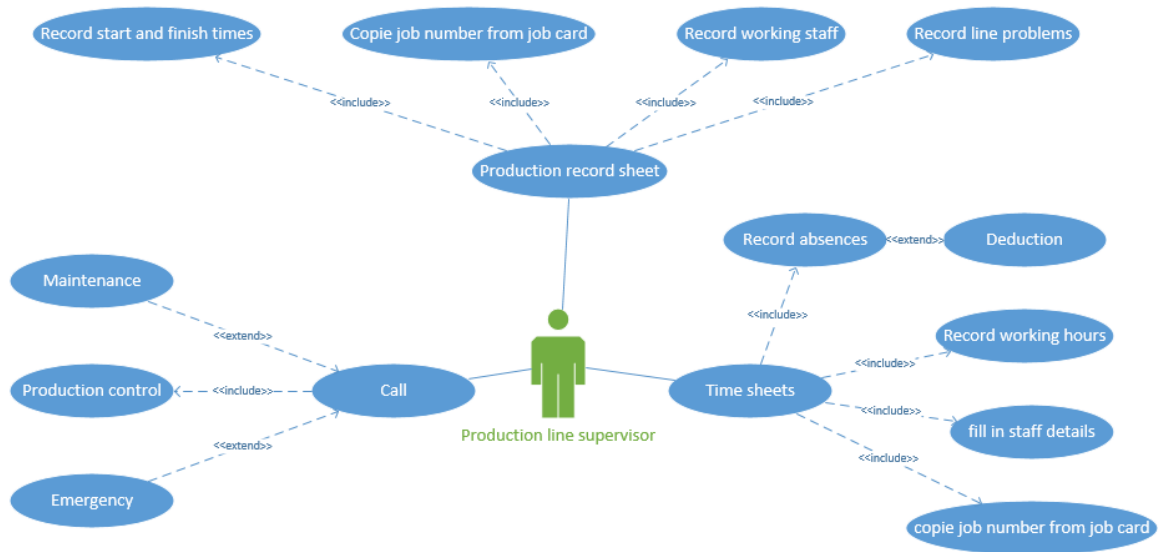


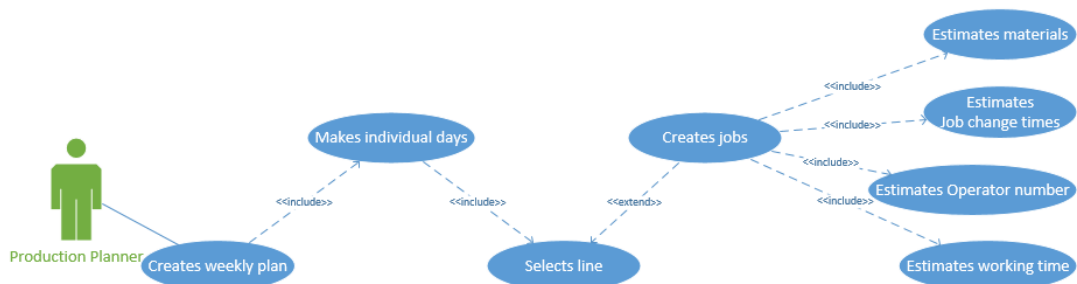
CE202 Assignment 1

1. Use-cases

(A)



(B)



(C)

START LINE RUN

Line starts only when supervisor gets operators names, inspects is there enough supplies, signs starting time and checks job number.

RECORD EMPLOYEE JOINING THE LINE

Supervisor records employee joining the line at the start of the run, or if he is newly joined to work in a middle of the session, then he needs to make new timesheet for him. Job numbers and date are added to timesheets whenever operators joins a line.

RECORD EMPLOYEE LEAVING THE LINE

Supervisor records employee leaving the line only if he is sick or absent with specific code. Then he notes the time sheet for downtime in timesheet. Operator might leave the line as he might be spare body and he could work on another line.

STOP LINE

Line stops only on coffee, lunch breaks and emergencies. Downtime is recorded when line stops.

RECORD LINE PROBLEM

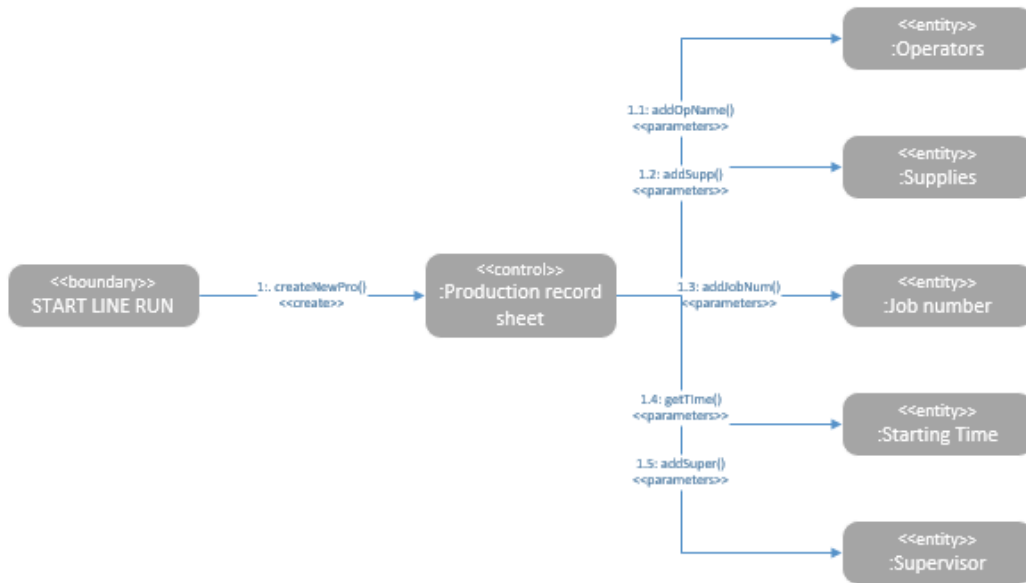
Line problem recorded when supervisor calls for maintenance or if there is an emergency on line during production.

END LINE RUN

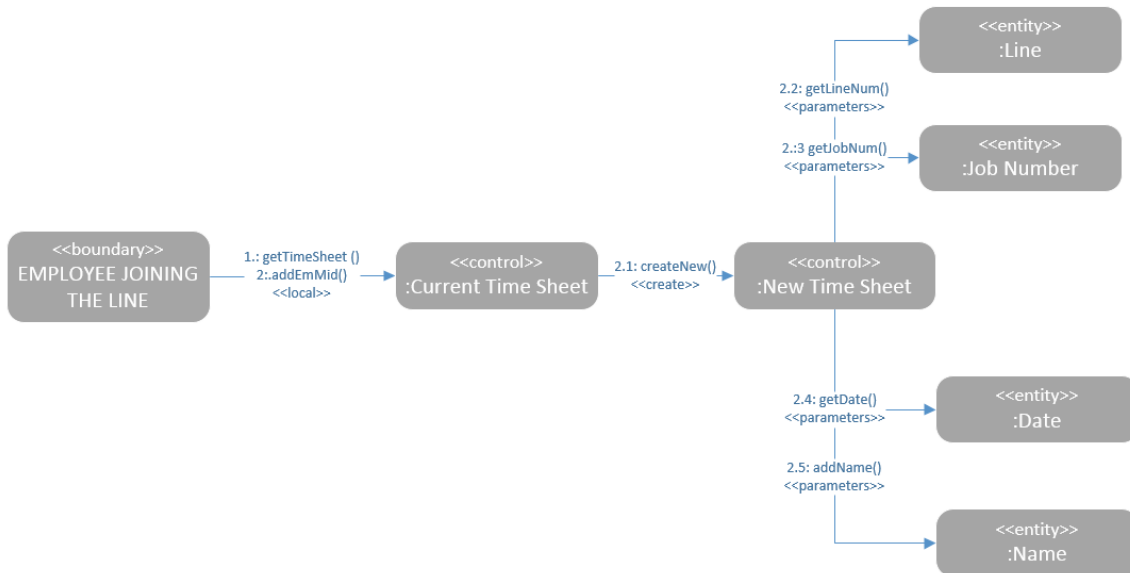
End line run is when work is done, finish time is recorded and operators are told to clean the line. Supervisor add total hours and absences for each operator on that line in the timesheets. Person from product control comes to verify the amount of product has been made. Supervisor starts to change job for the next one.

2. Communication diagrams

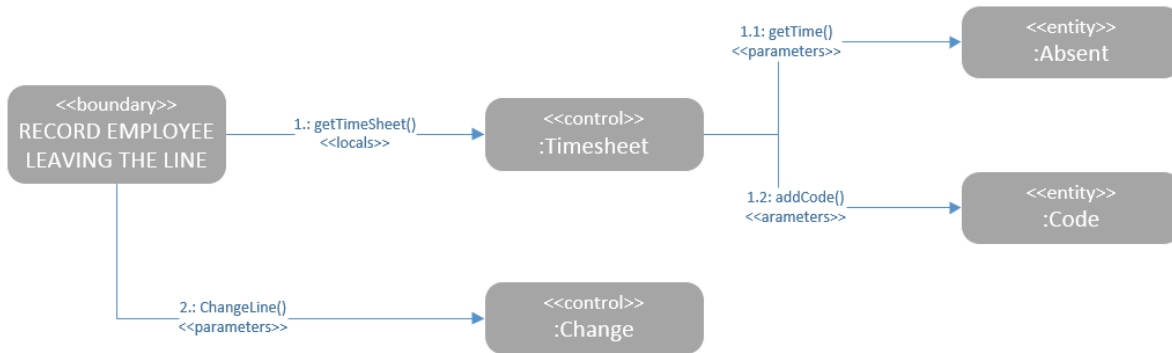
START LINE RUN



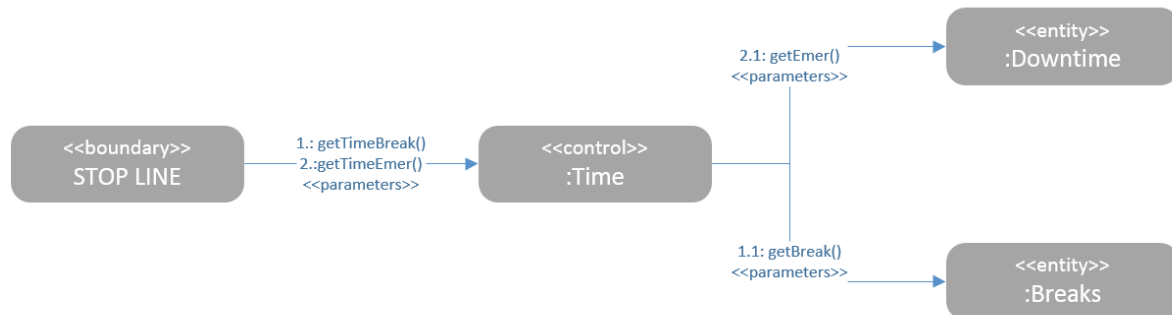
RECORD EMPLOYEE JOINING THE LINE



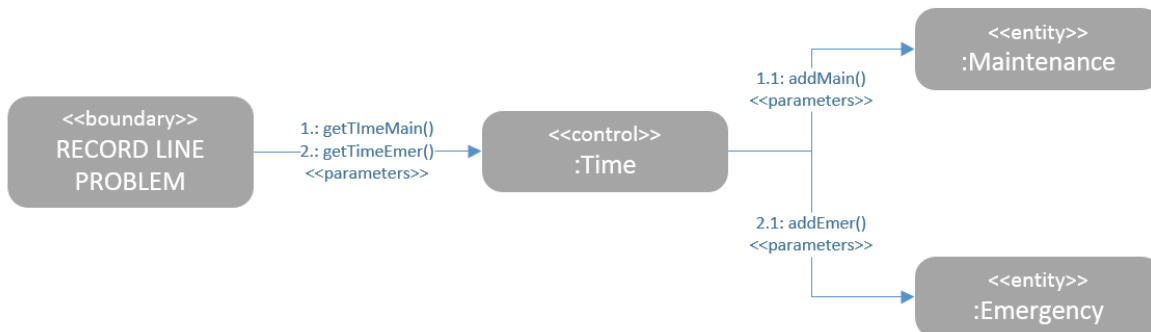
RECORD EMPLOYEE LEAVING THE LINE



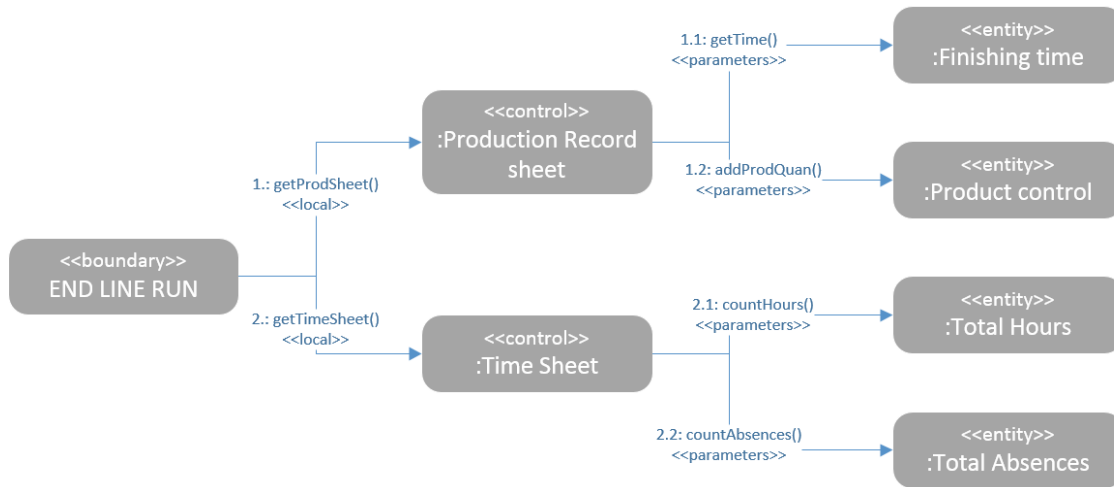
STOP LINE



RECORD LINE PROBLEM

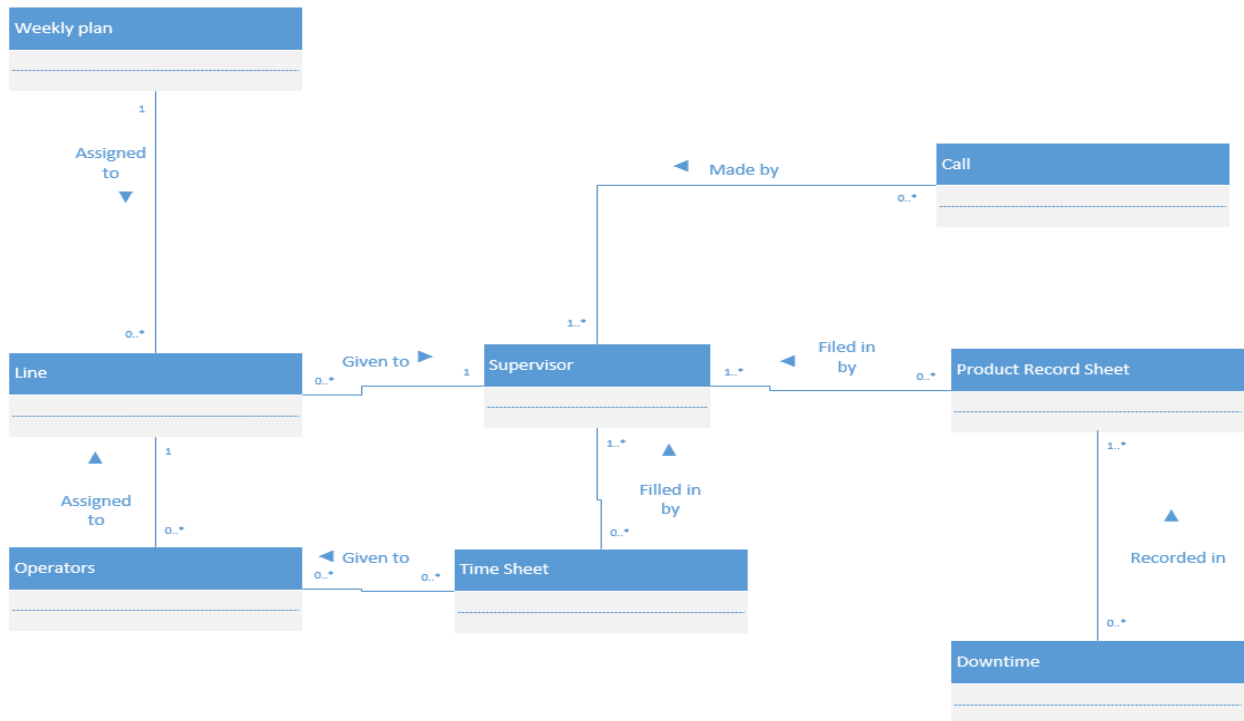


END LINE RUN



3. Class diagram

(A)



(B)

