



CASE 1 (model is illustrated as Figure 1-3)

Topic: Build Special Part

Purpose: Identify the tasks of each person in the prototype machine shop and understand how the tasks interrelate so a training manual can be written.

Perspectives: Foreman
Machinist
Inspector
Manager

Viewpoint: Manager of the shop

(This viewpoint is the only one that can expose **interrelationships** among the tasks.)

Figure 1 A-0

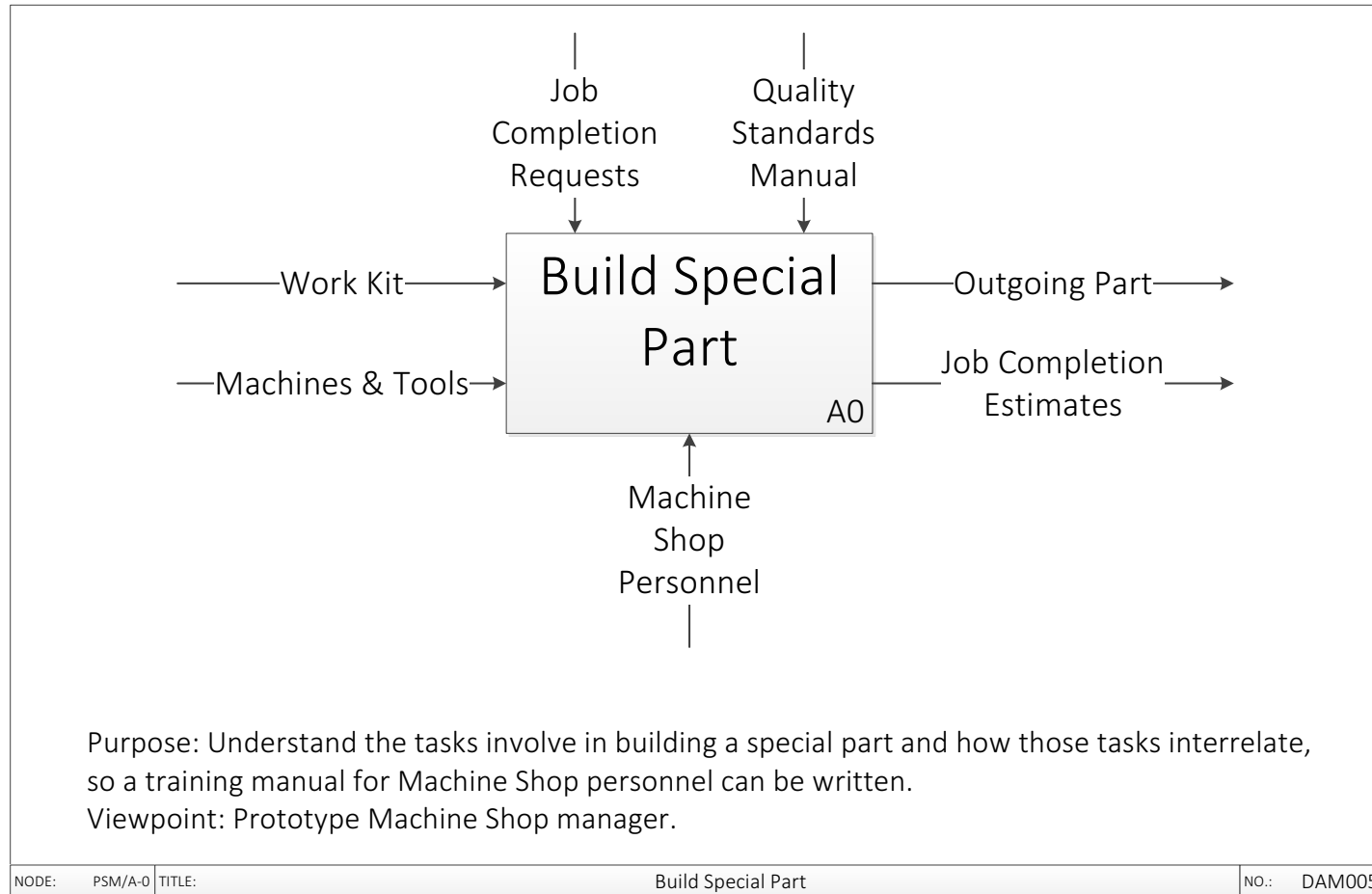


Figure 2 A0

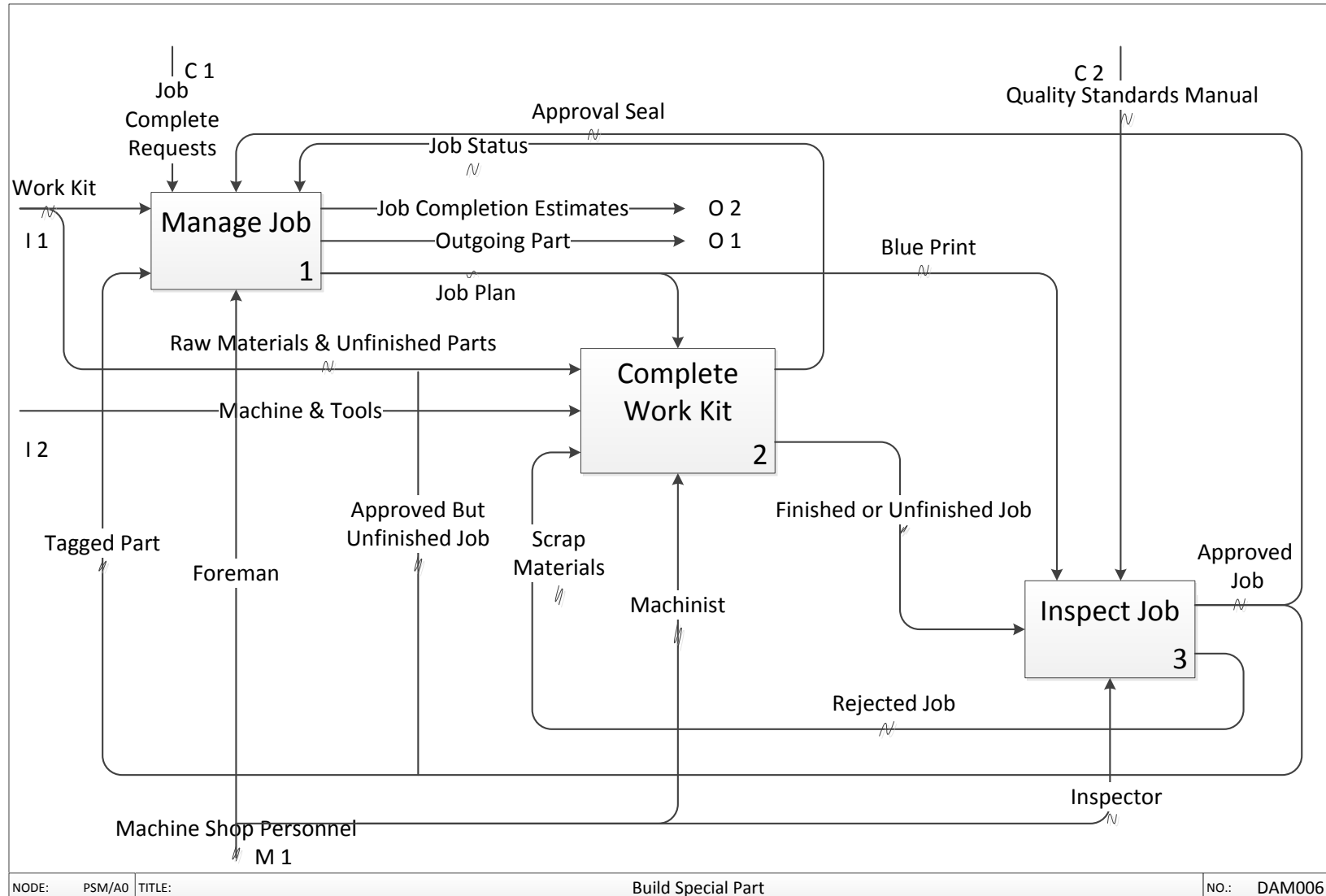
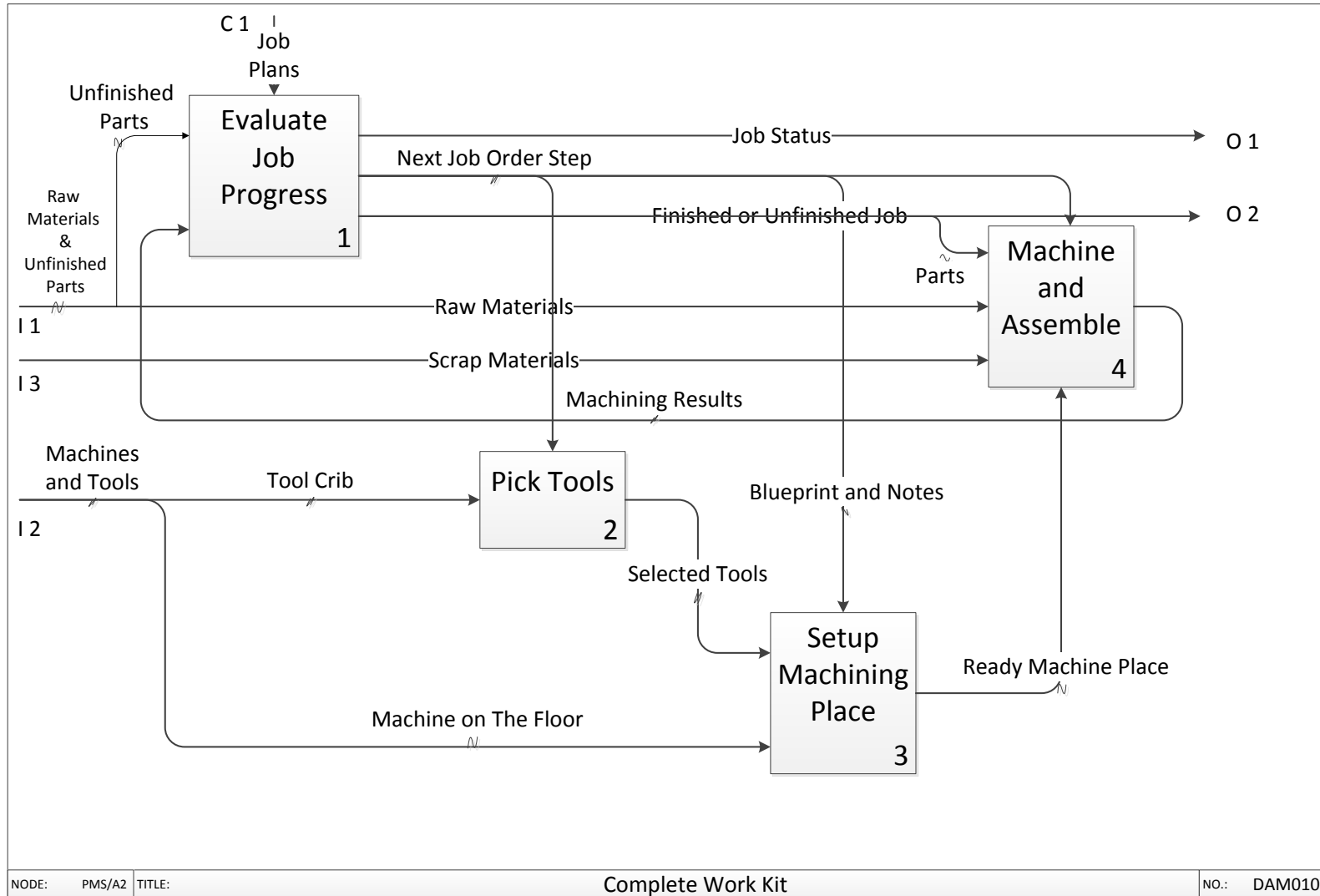


Figure 3 A2



CASE 1
— the Hierarchy

Figure 1

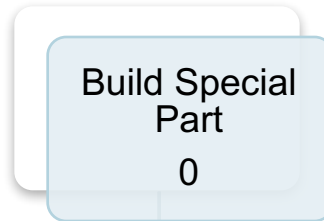


Figure 2

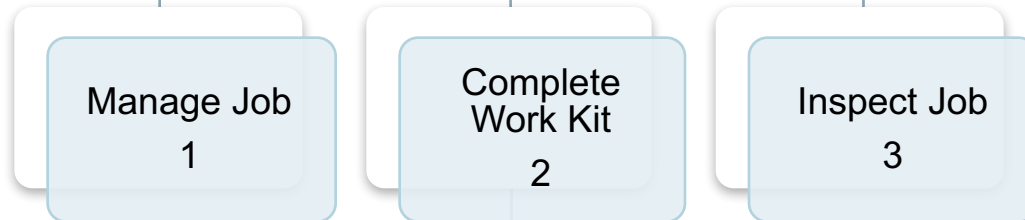
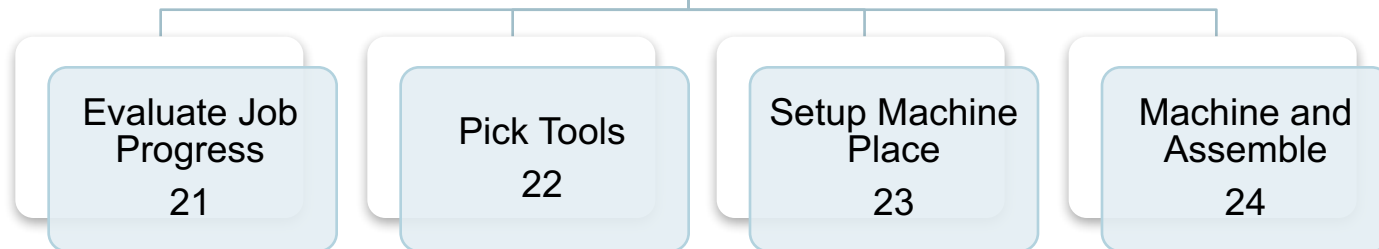


Figure 3



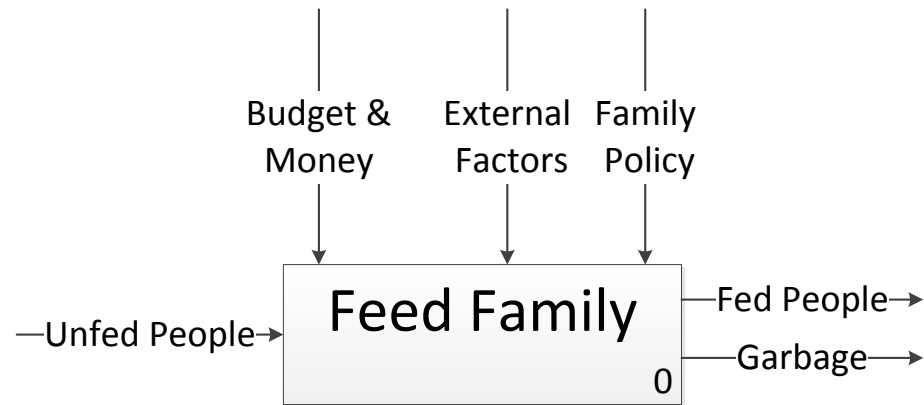
Exercise

Case 2

Topic: Feed Family

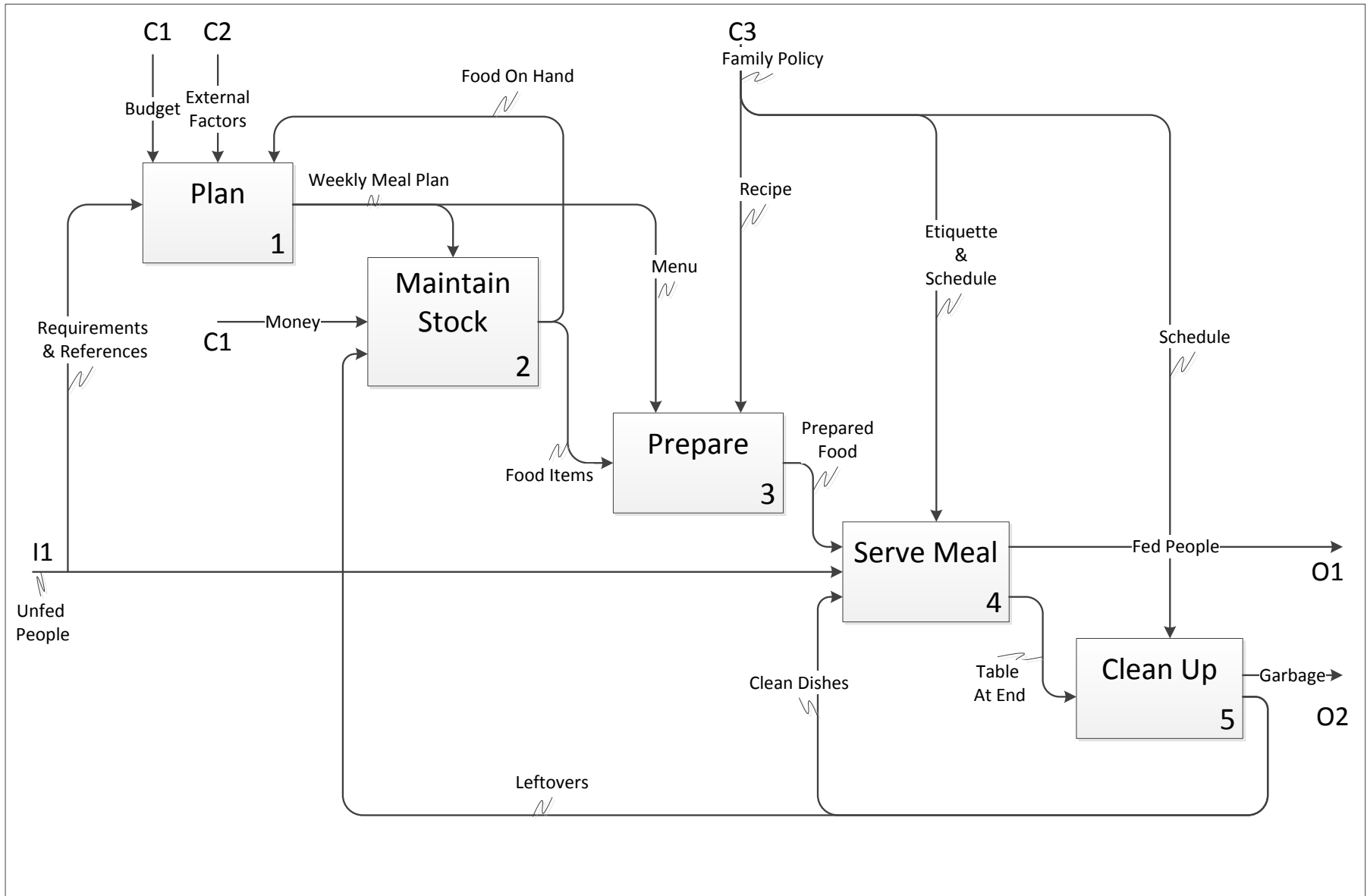
Purpose: Define the functions involved in feeding a family, in order to write training procedures which a teenager can do without assistance.

Viewpoint: Family member (yourself) (responsible for meal)



Purpose: Define the functions involved in feeding a family, in order to write training procedures which a teenager can do without assistance.

Viewpoint: Family member (responsible for meal)



Conclusion

Systems View on Safety



Assignment: Run a Bakery

Requirements

- 1) **Purpose: Identify the function and the tasks of each employee in the bakery shop and understand how the tasks interrelate so a working manual can be written;**
- 2) **Choose your own viewpoint;**
- 3) **Around 1000 words report, including a complete and clear report structure;**
- 4) **The process contains 3 levels and each box should be explained clearly;**
- 5) **Draw SADT (IDEF0) graph correctly, including syntax, semantic, code, etc.**

Report before 22 December submit to Yuling Li, both in hardcopy as well as by email;
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