SOFTWARE ENGINEERING ASSIGNMENT

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STRUCTURED ANAYSIS →

- Functional Requirement :

1. Enter data for room allotment
   - 1.1 Enter Arrival Time
   - 1.2 Duration of stay
   - 1.3 Type of Room

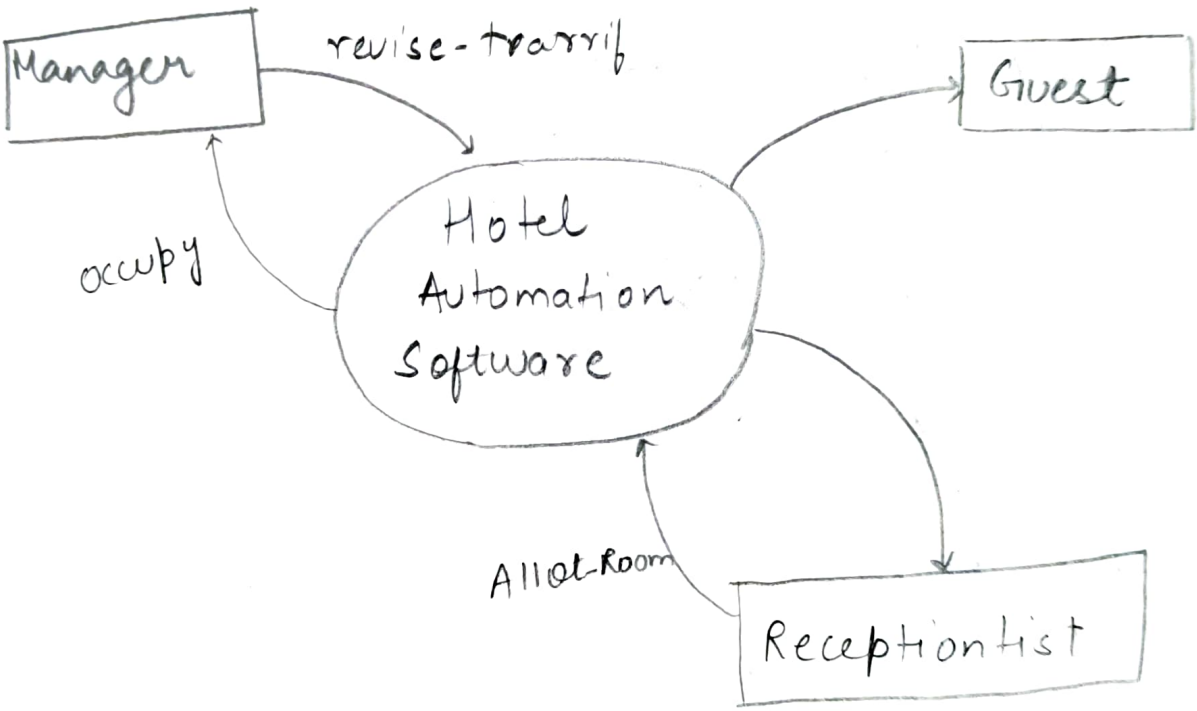
2. Available Rooms
   - 2.1 Allot Room
   - 2.2 Assign unique token number

3. Non Available Room
   - 3.1 Apology Message

4. Hotel catering service
   - 4.1 Quantity
   - 4.2 Type of food
   - 4.3 Token number
   - 4.4 Date & Time

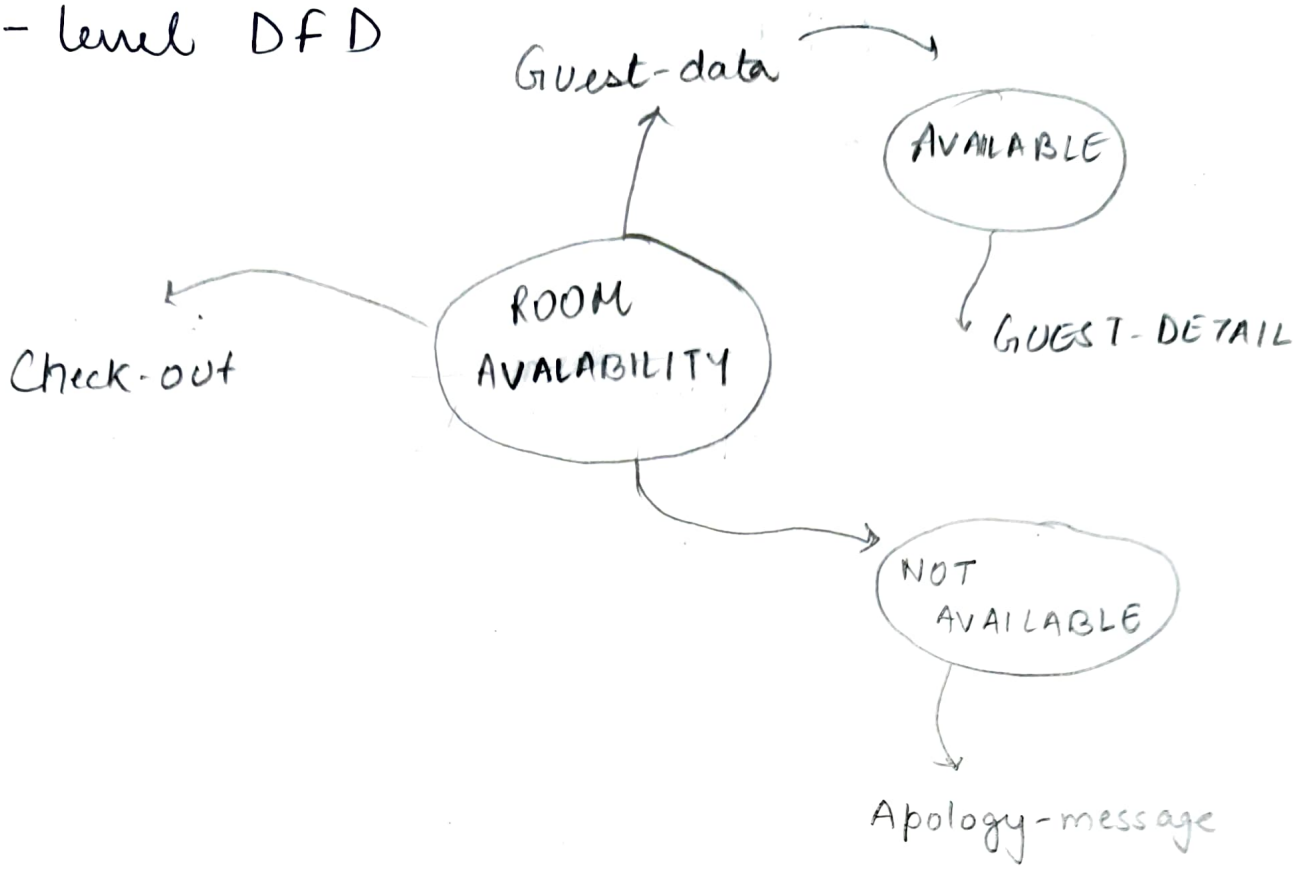
5. Hotel checkout Software
S.1 Generate Enter bill
S.2 Offer frequent Guest Program

CONTEXT DIAGRAM (0 LEVEL DFD)



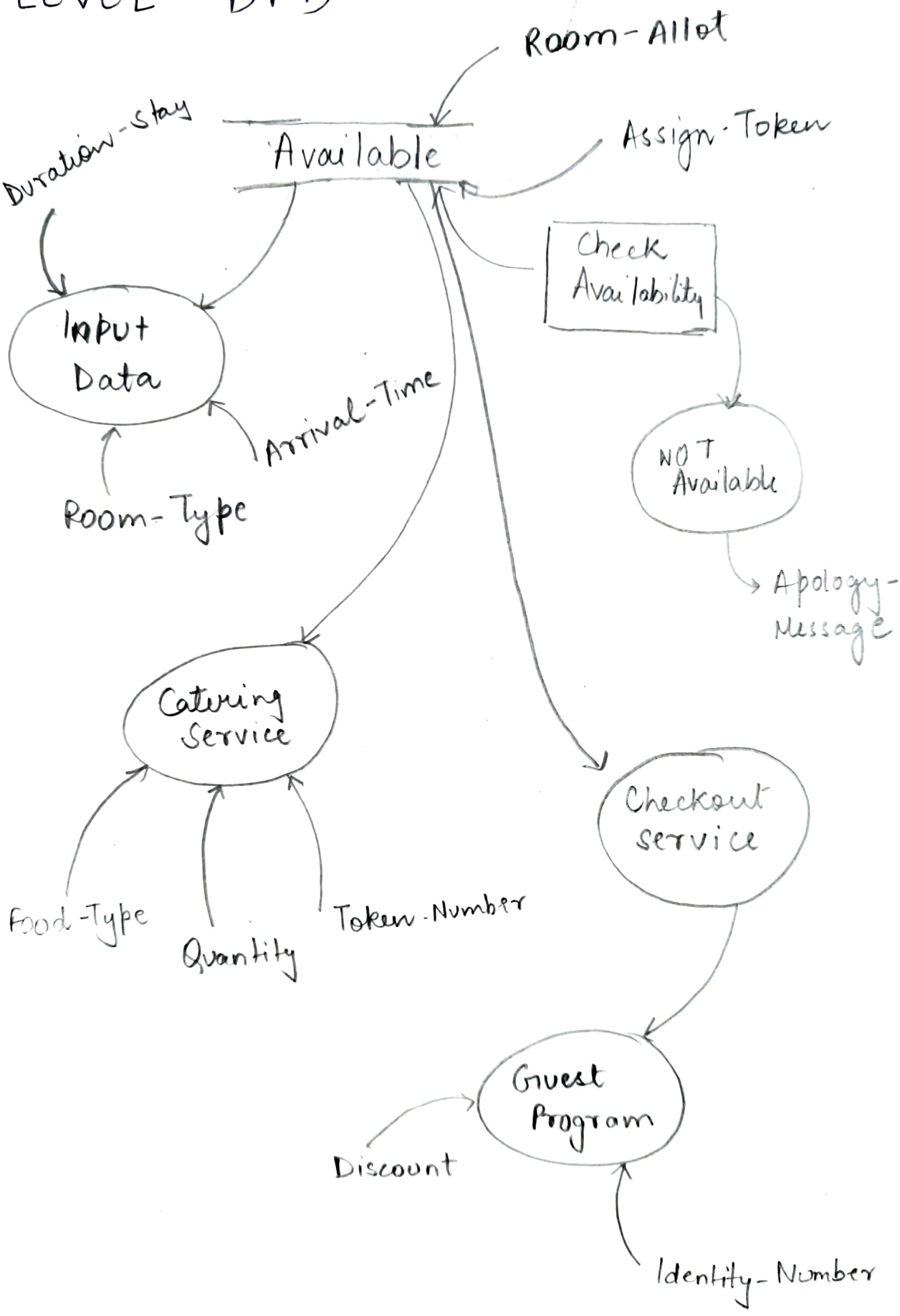
0 - LEVEL DFD

1 - level DFD



1 - level DFD

2- LEVEL DFD



2 LEVEL DFD

Data Dictionary

1. revise - tariff: { details }
2. Allot - Room: { Availability }
3. Guest - data: { guest detail }
4. Check out: { Integer + date }
5. Apology - message: { message }
6. Duration stay: { integer }
7. Arrival - Time: { integer }
8. Room - Type: { integer }
9. Token - Number: { integer }
10. Food - Type: { detail of food }
11. Identity - Number - { integer }

STRUCTURE DESIGN

A structure chart represent the software architecture which include various modules making up the system, the module dependency and the parameter passed among different modules.

STRUCTURED CHART