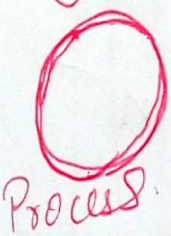
Data flow diagrams

→ Flows of the datas through system & also used for Modeling the requirement / Bubble chart.

Data flow graph

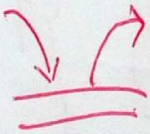
→ Data input
→ Data flow between the Modules
→ what are the datas
→ finally the o/p of data

Symbal (used in DFD)

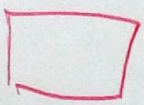


Depicts a **process** that transforms dat. i/p into o/p.

data flow — shows flow of data.



Data store (Data repository a collection of data items)



Source or sink.

Some important points

→ Unique name are important.

→ Shows flow of data & not order or event like flowchart.

→ Decision Paths (diamand more represent logical diagram. should No be taken expression.

levelling in a DFD

→ It should be drawn with different level of abstraction.

* Highe level of DFD's are partition into lower.

level-0 DFD

context diagram or fundamental system model

Preserve no of i/p & o/p.

level 0 DFD

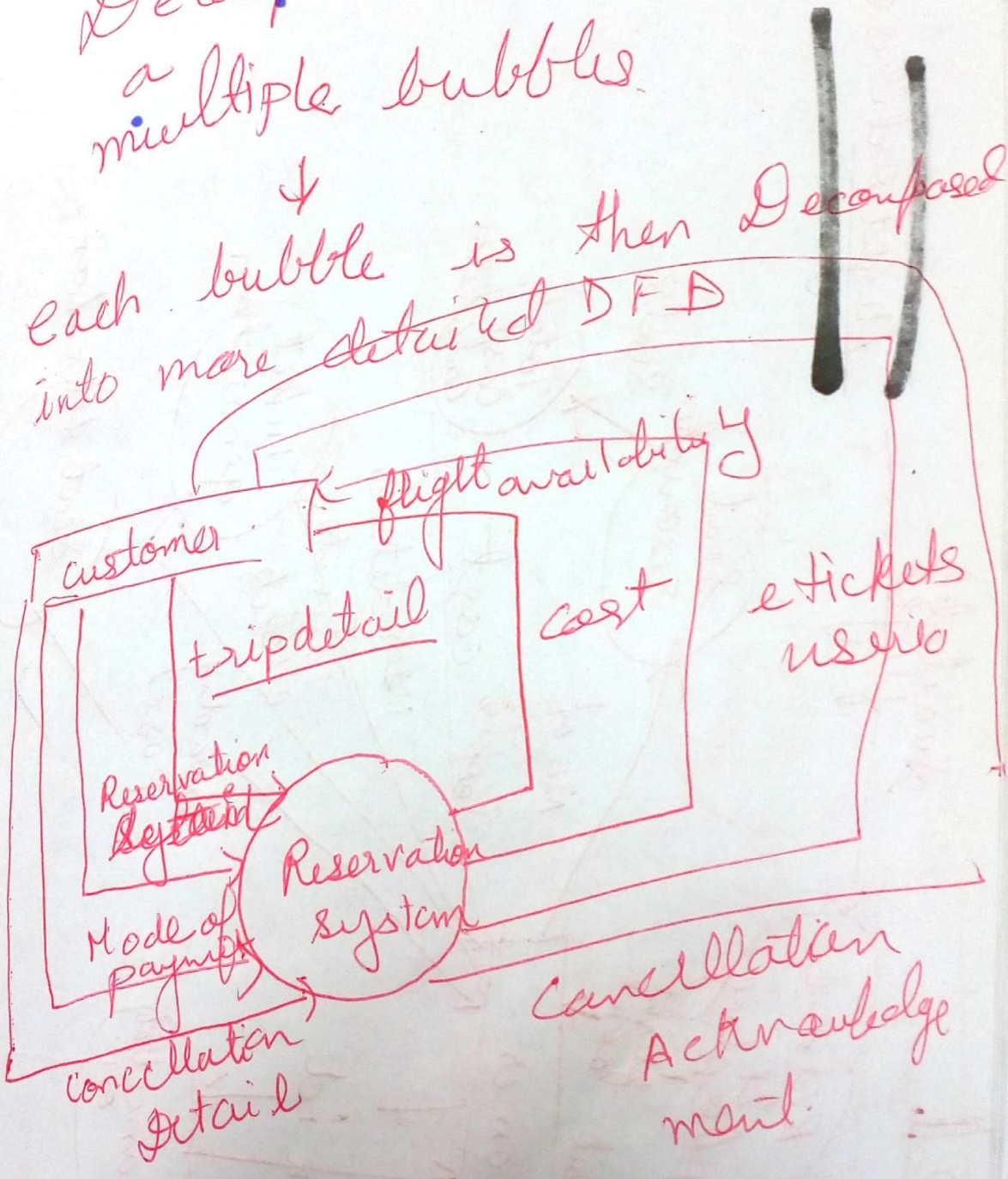
→ Represent entire system as a single bubble with i/p & o/p

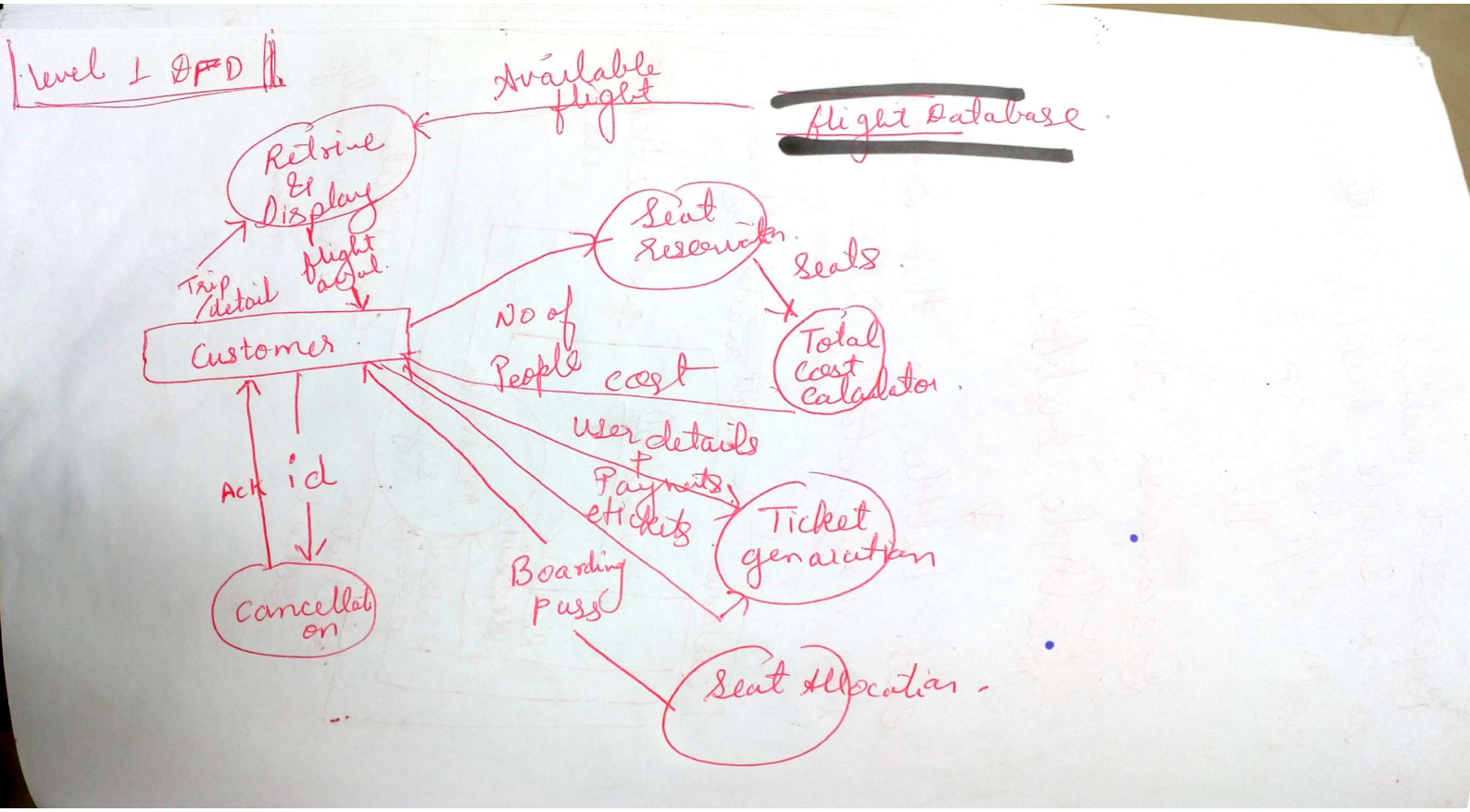
↓

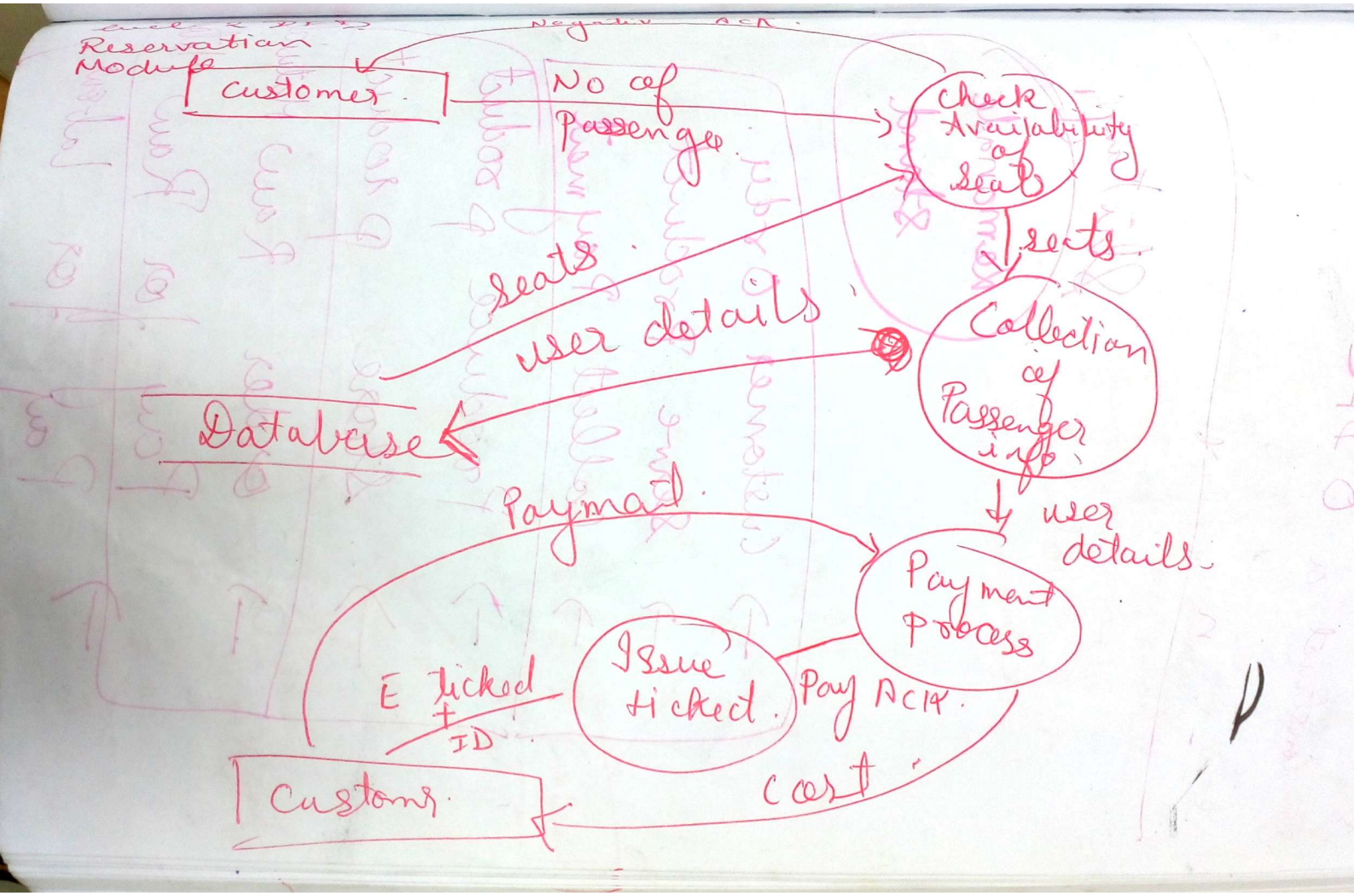
Decompose it in a multiple bubbles

↓

each bubble is then decomposed into more detailed DFD







1) Create a list of activities.
2) Construct context level Diagram
3) Construct a DFC

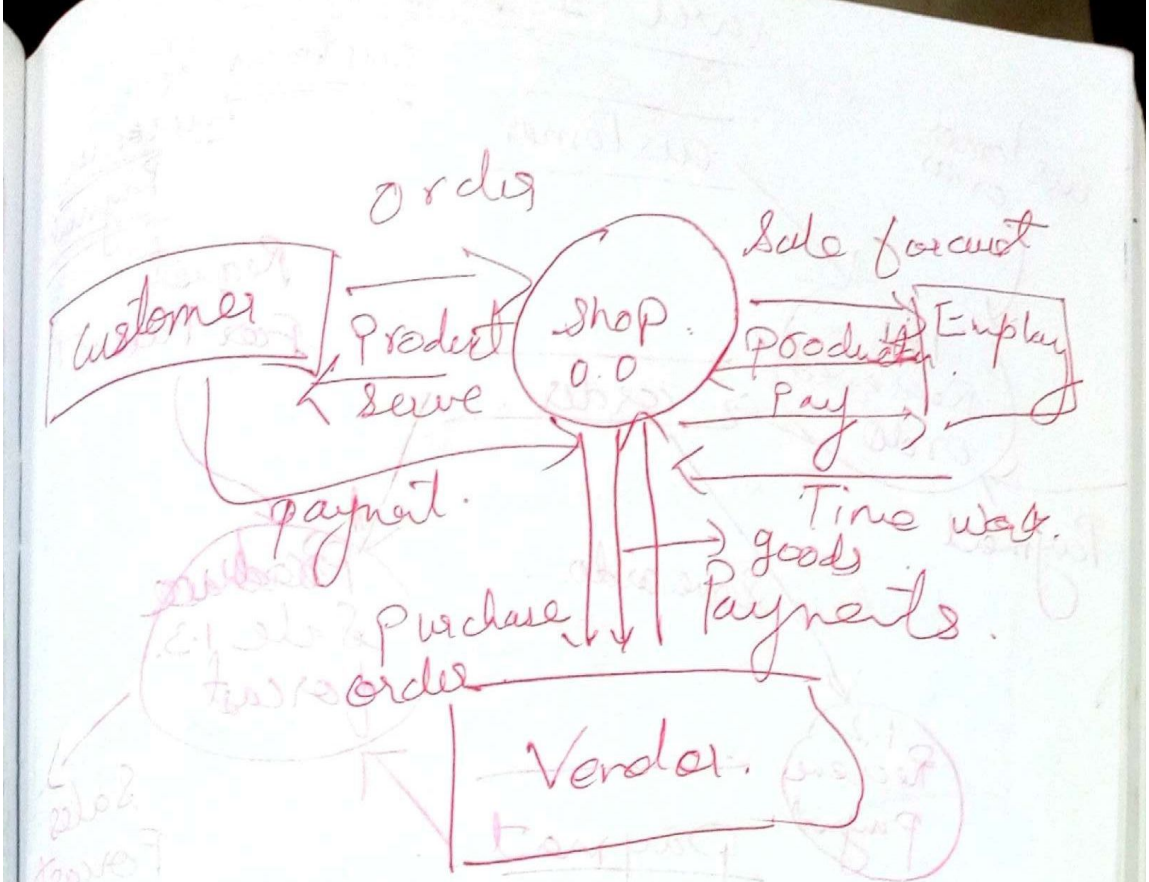
Shikanj:

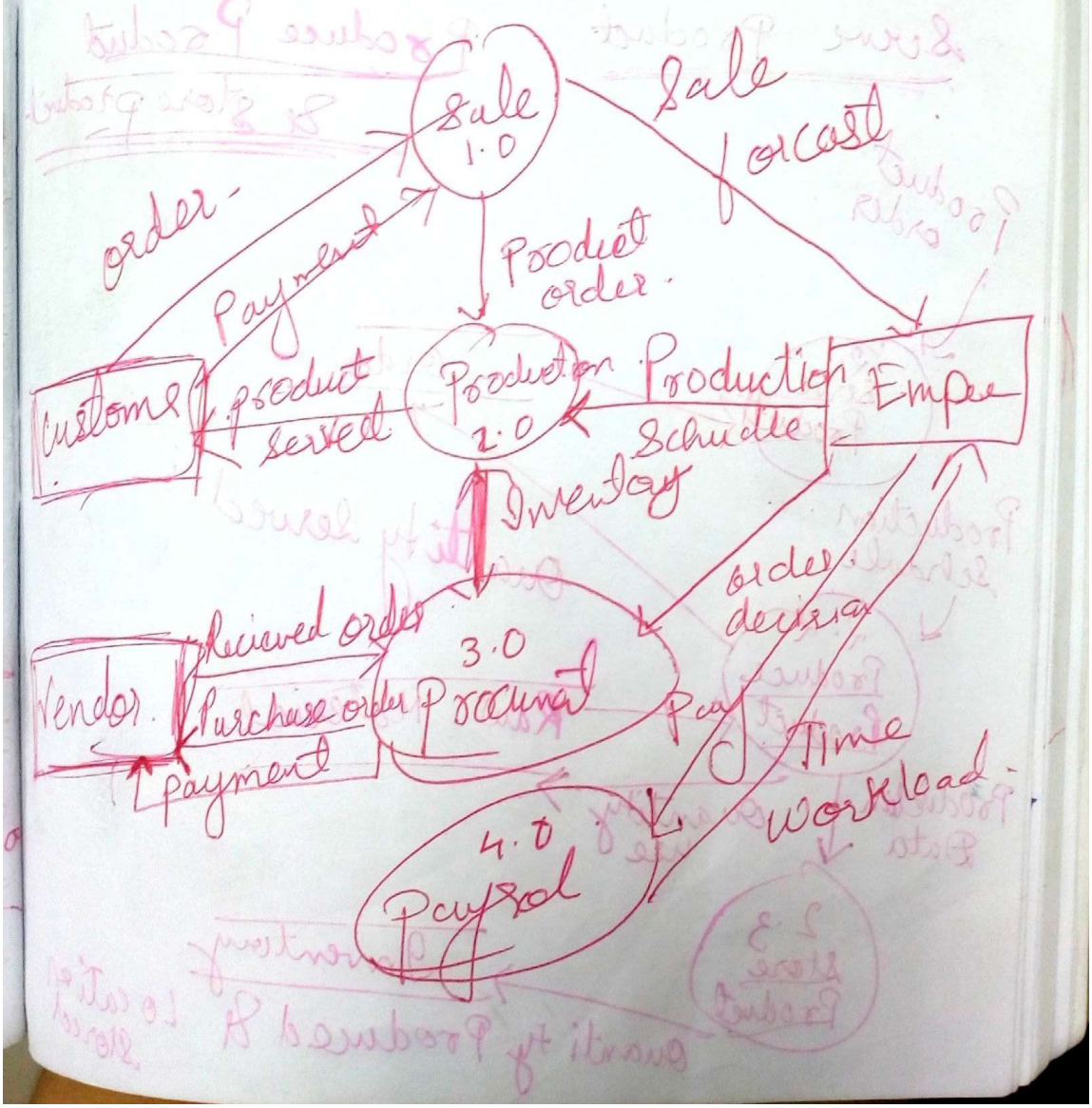
Lemonade stand

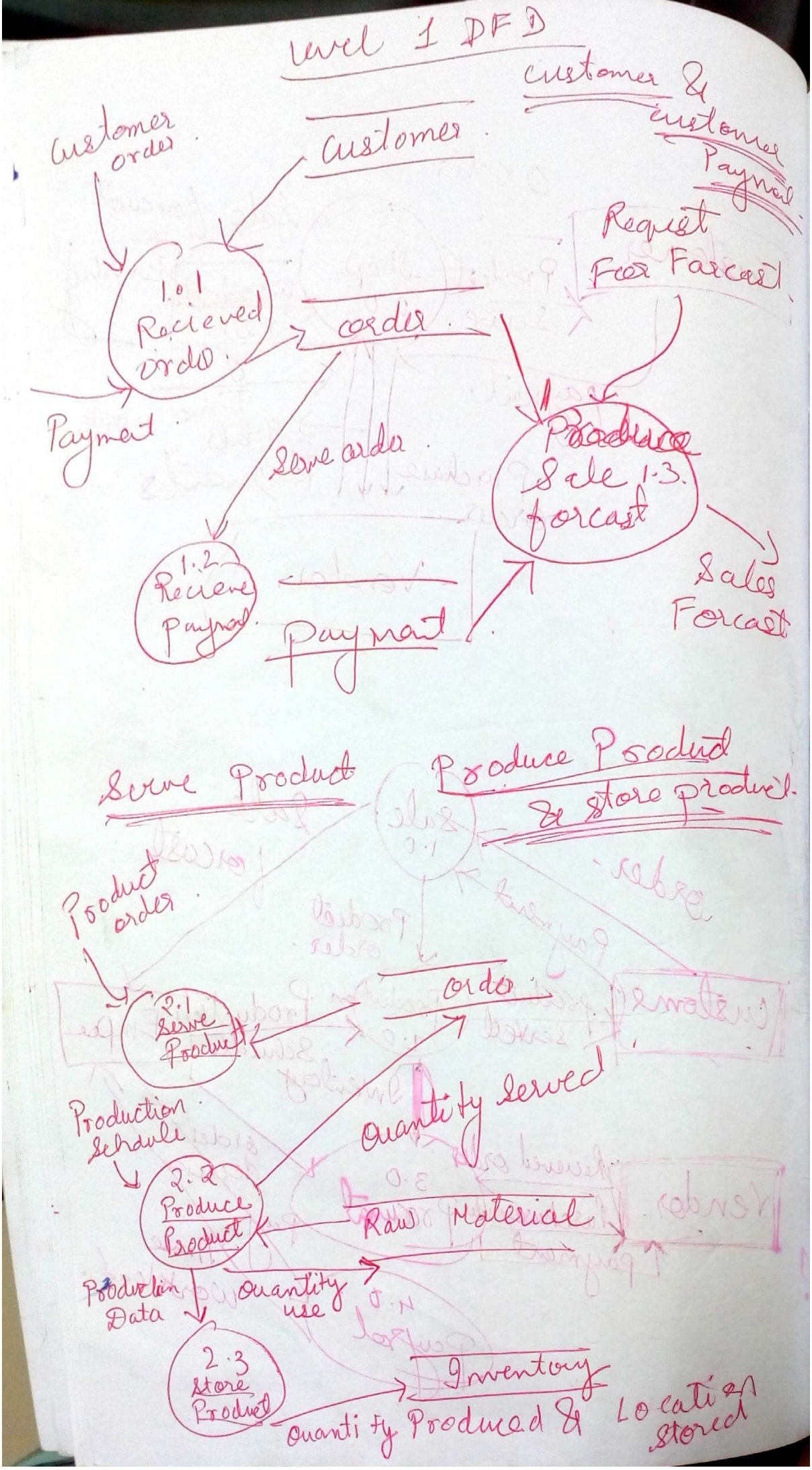
→ Customer Order
→ Serve Product
→ Collect Payment

→ Produce product
→ Store product

→ order Raw Material
Pay for Raw Mater
→ Pay for Labour

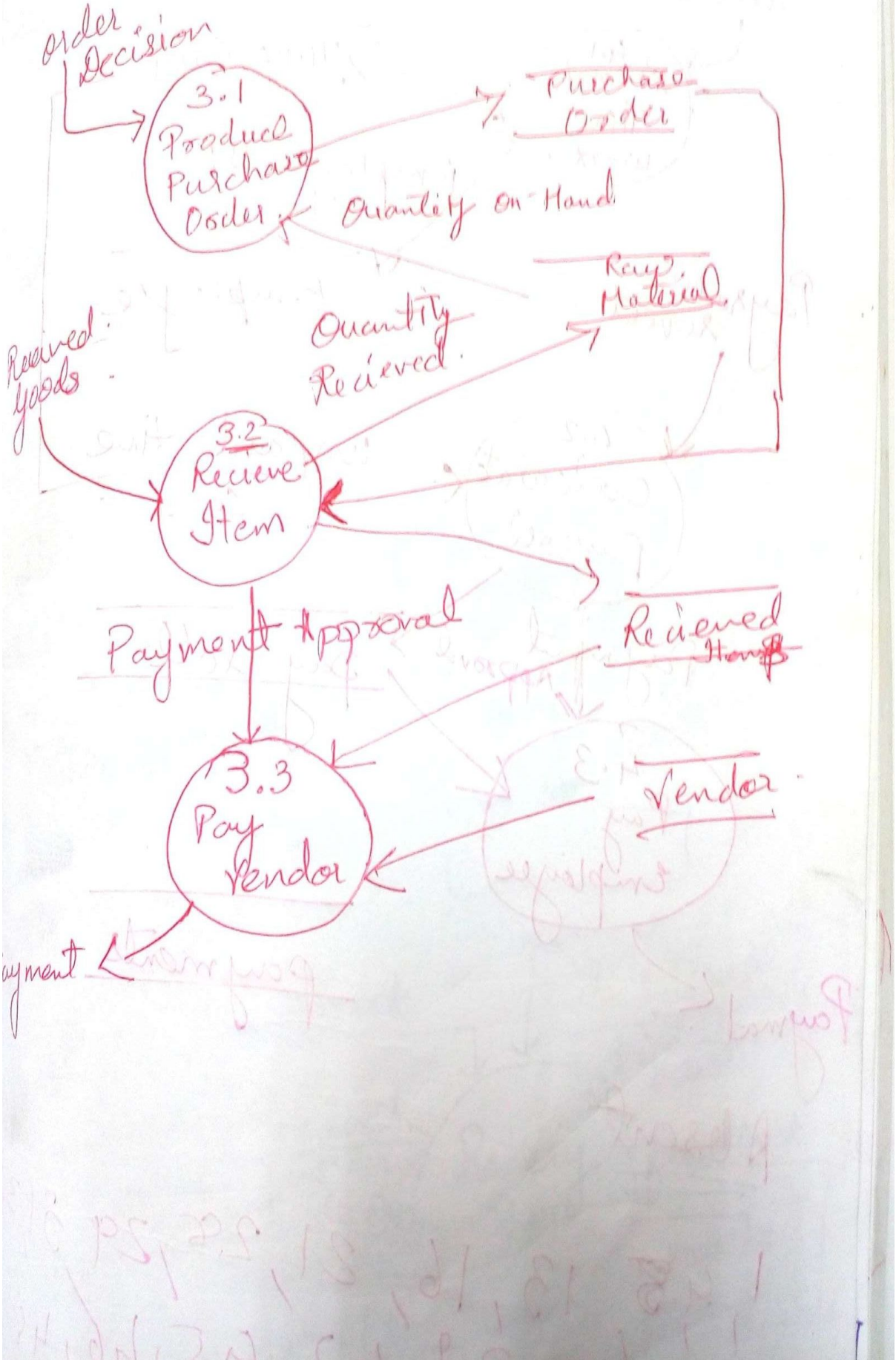




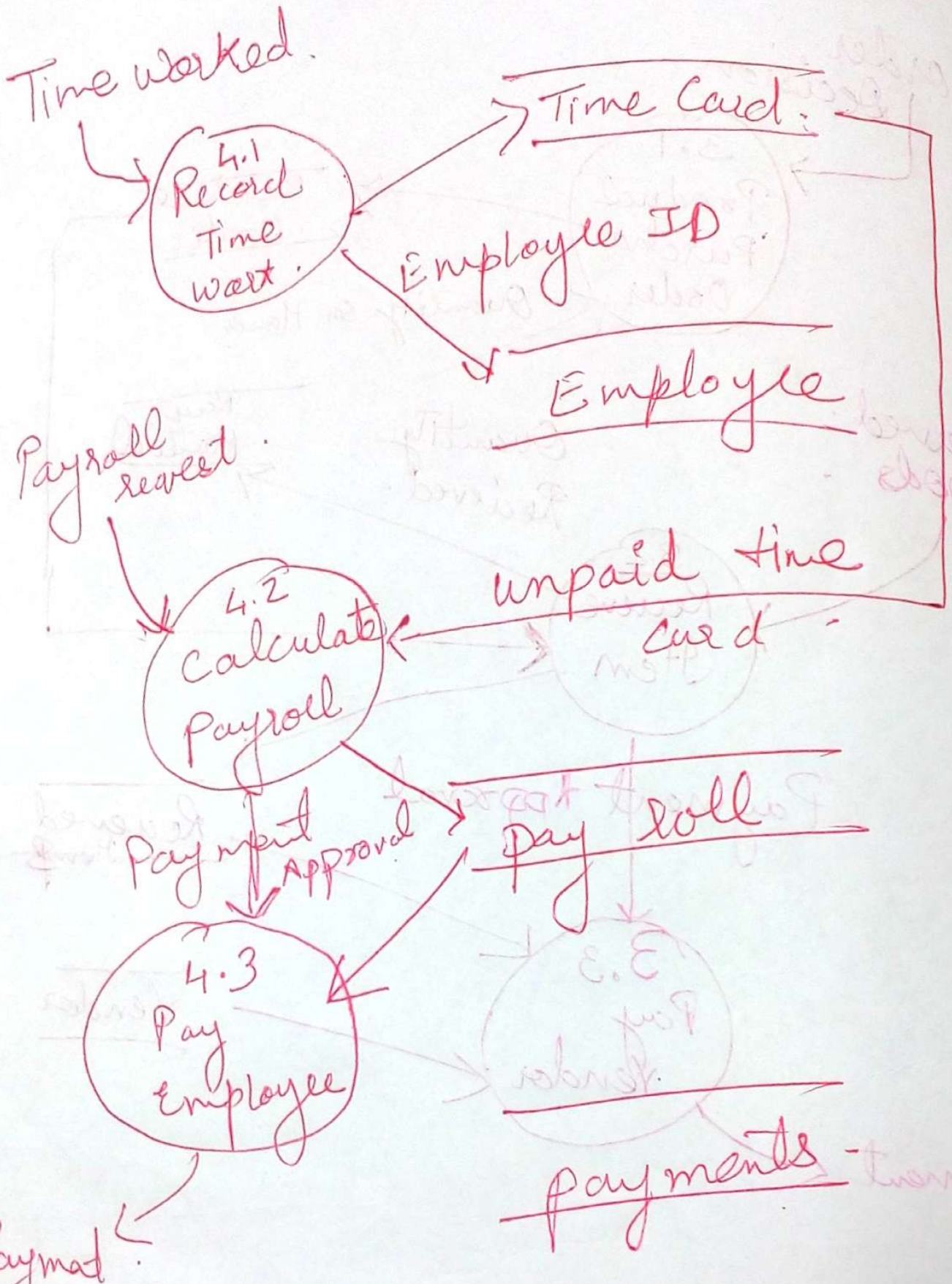


Order Raw Material

Pay for Raw Material



Pay for Labor



4.1 Administration module

4.2 Inpatient module

4.3 Outpatient module.

4.4 Lab module

4.5 Billing Module