Name : Udoy Saha

ID : 23341134

Section: ~~03~~ 06

CamScanner

Ans to the ques no:- 1

A

Here the data is text, since it is a blog. No complex data will be there.

So, relational database is suitable as a storage format for this webpage.

B

Here sequence matters. Also, it needs data from the previous process.

Therefore, Sequential cohesion is maintained in the above scenario.

C

For method Process, fan-in = 2
fan-out = 3

∴ Structural complexity of process = fan-in * fan-out
= 2 × 3
= 6 (Ans)

Ans to the ques no:- 2

Id — 10

Name — 30

mobile — 11

Guardians email — 25

Address — 50

Record size — 126

Overhead — 25%

Total Record size = 126 + 126 × 25%

= 157.5

Initial table size = 1500

Initial Table volume = 1500 × 157.5

= 236250

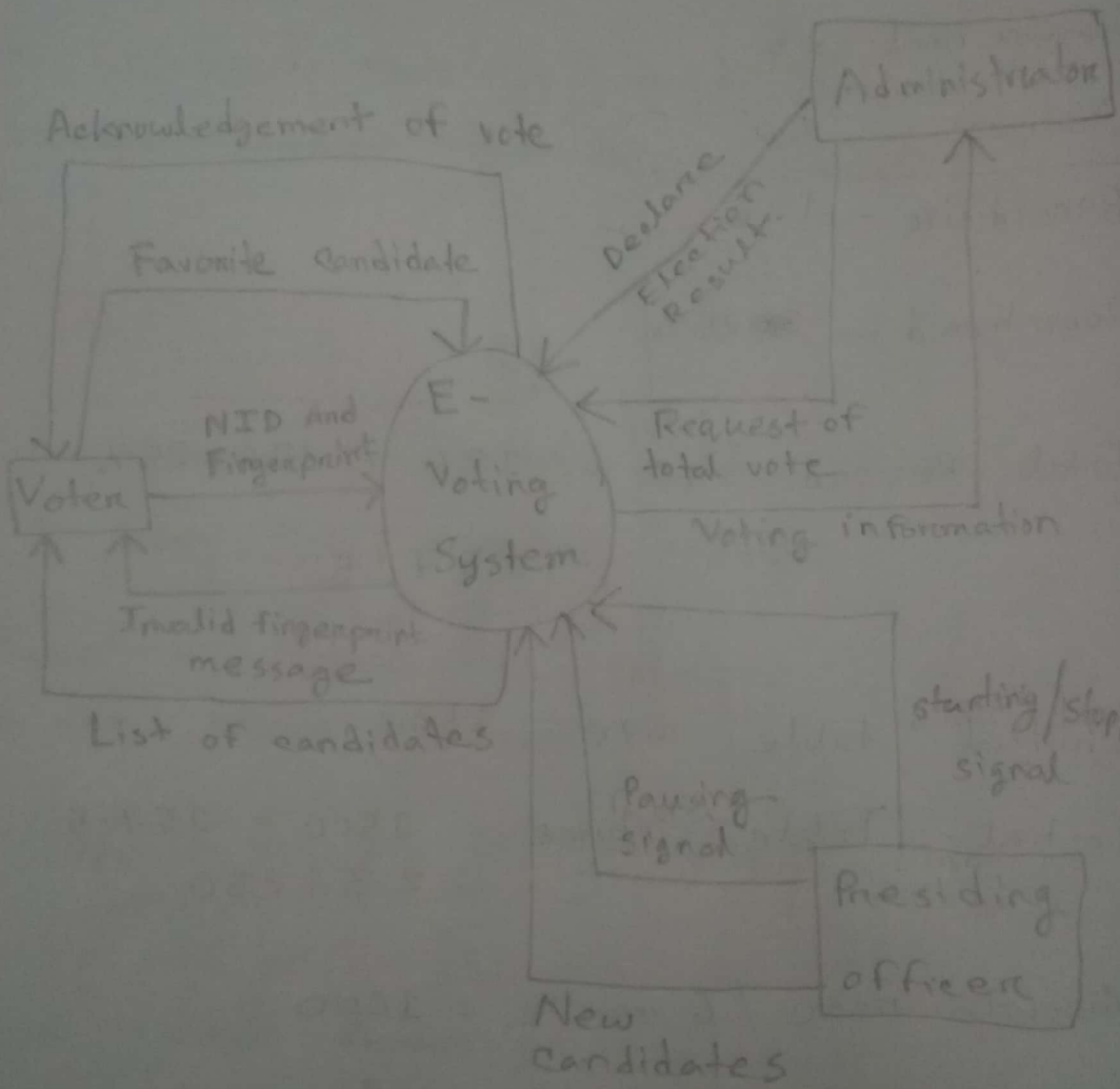
Growth rate / 6 months = 1000

∴ Table volume in 3 years = {1500 + (1000 × 3 × 2)} × 157.5

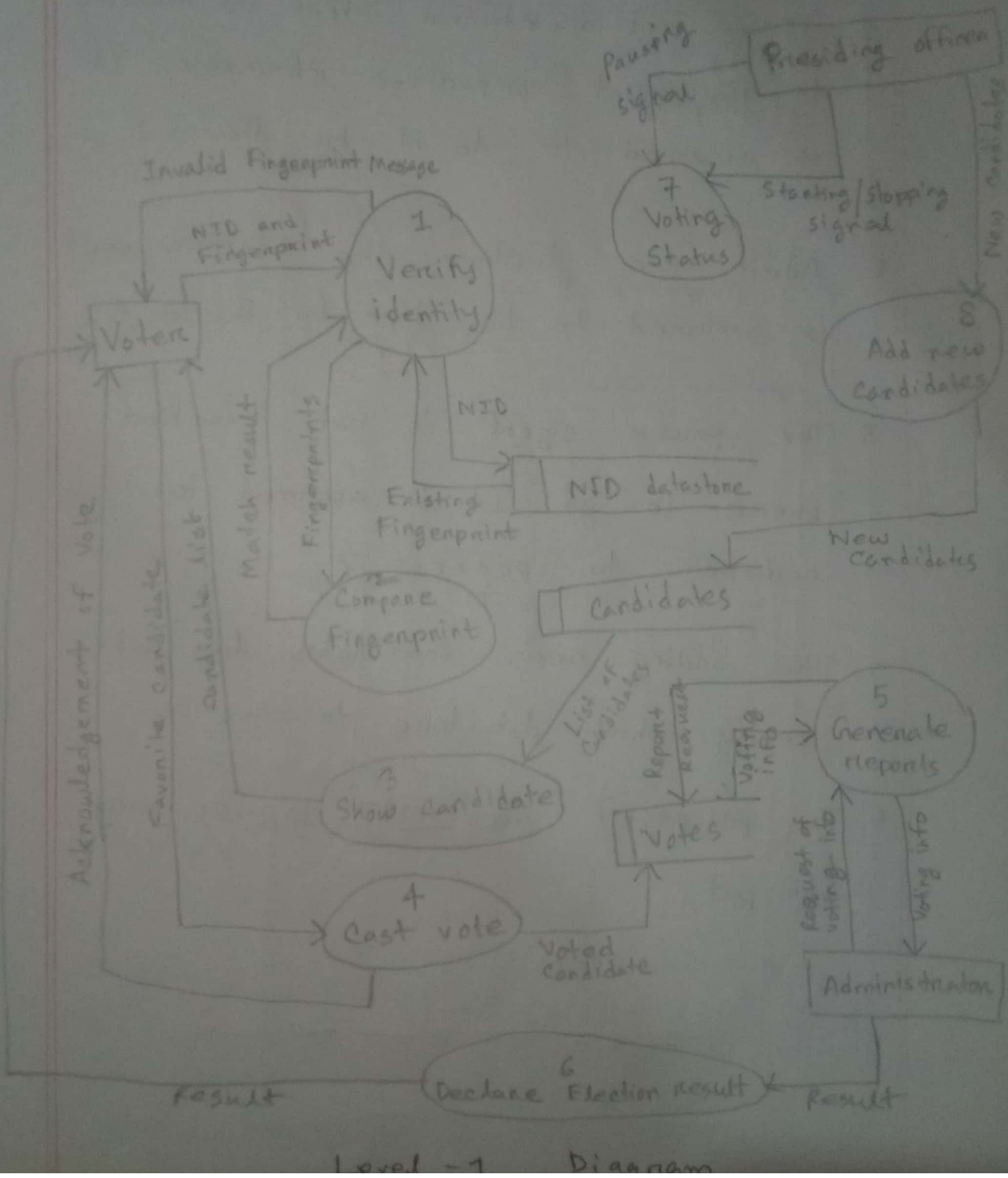
= 1181250 (Ans)

Ans to the ques no:- 3

1



Context Diagram



Level - 1 Diagram

There are a few errors:-

1. It is not mentioned where to forward to fingerprint comparison information. It is assumed to do it by Process 2.

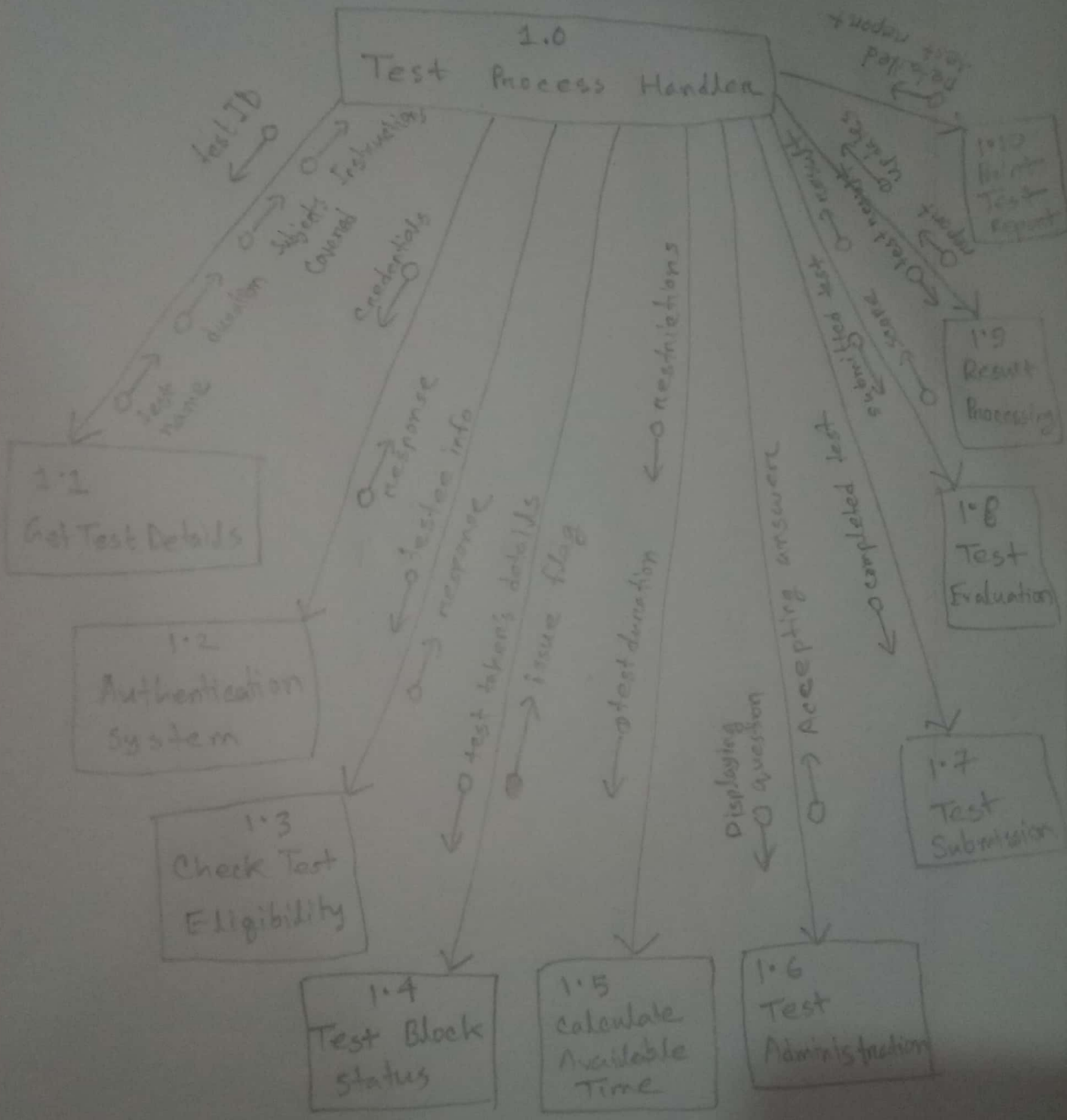
2. Admin can declare the election result is assumed to be done by Process 6.

3. The pause signal is not clarified where to go. It is assumed to redirect to process 7.

4. The adding new candidates does not specify which datastore to save it.

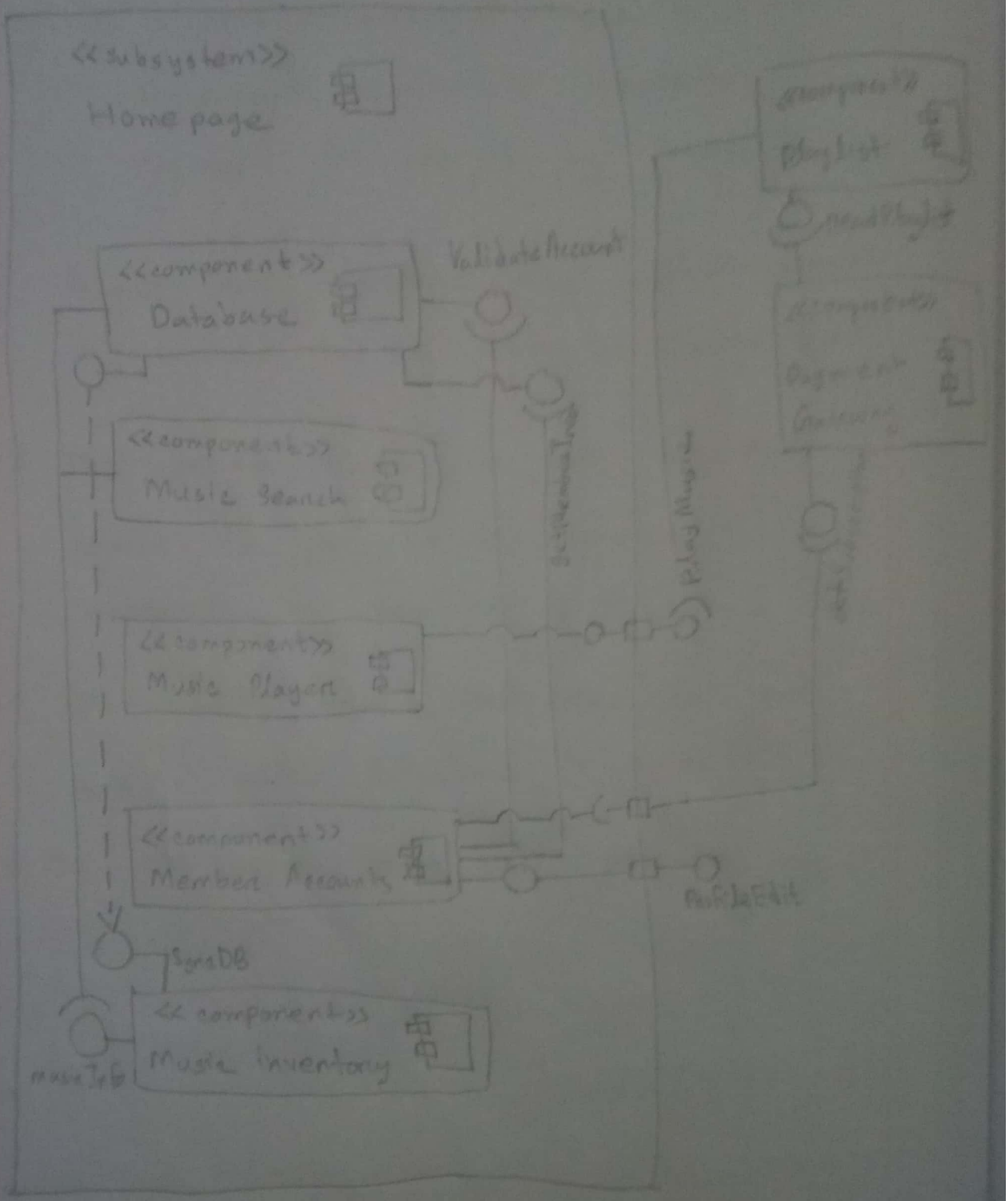
5. The process 7 does not provide any out put.

Ans to the ques no:-4



Structure chart

Ans to the ques no: 5



Component Diagram