

Final Assessment
Spring 2021

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Section : B

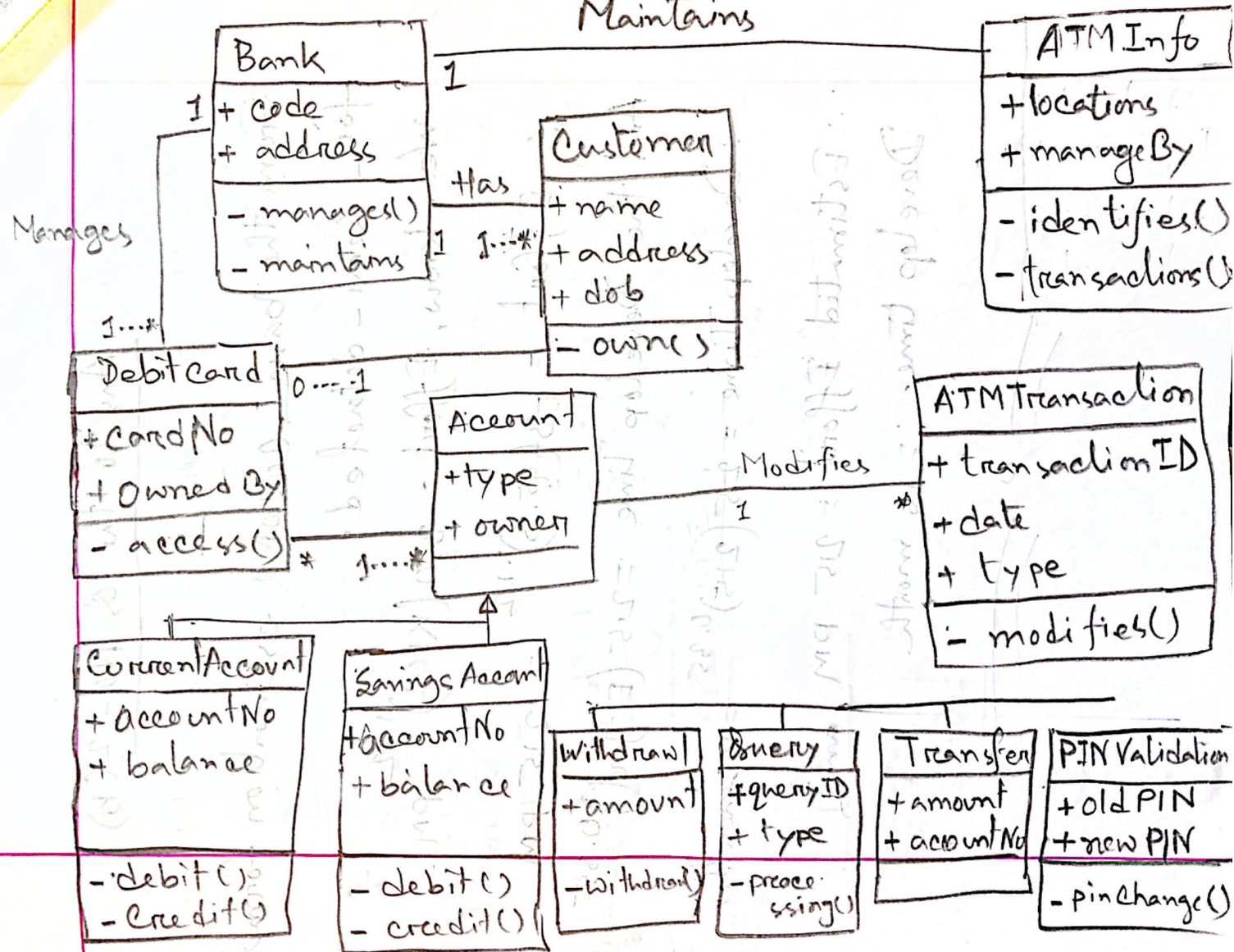
Course Code : CSE 333

Course title : Software Engineering

Teacher Initial: AS

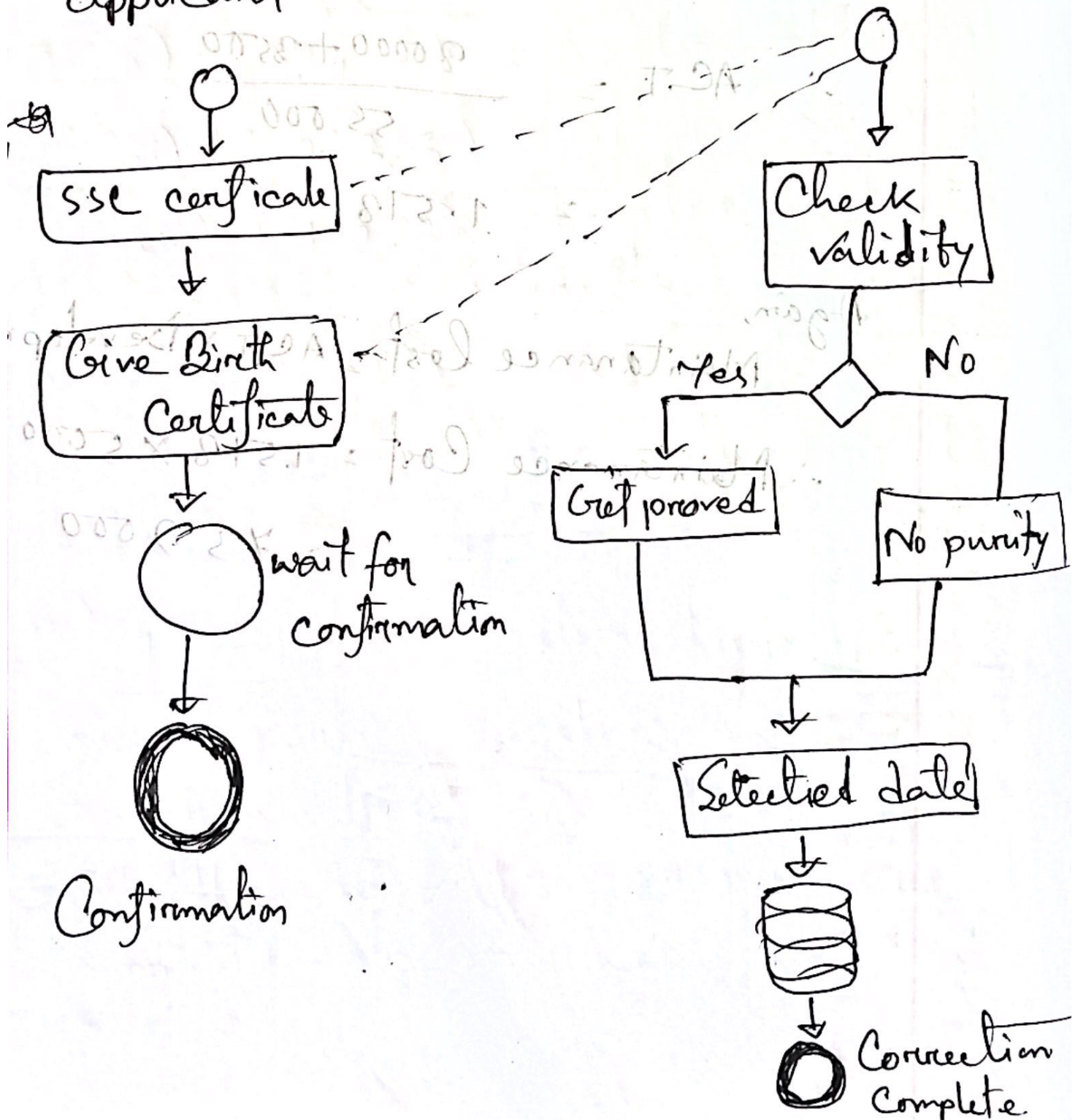
Ans to the Q No-1

Maintains



Ans to the Q No-2(a)

BPM for correction of voter information applicant



Ans to the Q No - 2(b)

i

From the basic COCOMO estimation formula for semi-detailed:

$$\text{We know, Effort} = 3.0 (\text{KLOC})^{1.12} \text{ PM}$$

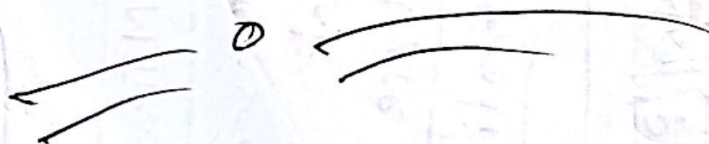
$$\therefore \text{Effort} = 3(45.3)^{1.12} = 215 \text{ PM}$$

$$\text{And the Develop Time} = 2.5 (\text{Effort})^{0.35}$$

$$\therefore \text{Develop Time} = 2.5 (215)^{0.35} = 16 \text{ months}$$

$$\therefore \text{Estimated Effort} = 215 \text{ PM and}$$

$$\text{Develop time} = 16 \text{ month}$$



ii) We know,

$$ACT = \frac{\text{KLOC added} + \text{KLOC deleted}}{\text{KLOC total}}$$

$$\therefore ACT = \frac{30000 + 3500}{55000}$$

$$= 1.518$$

Again,

$$\text{Maintenance Cost} = ACT \times \text{Development Cost}$$

$$\therefore \text{Maintenance Cost} = 1.518 \times 500000$$

$$= \text{₹ } 759000$$

Ans to the Q No - 3 (a) .

For the given code the equivalence classes are the following:

- i) Equilateral triangle: A set of integers where $x = y = z$
- ii) ~~Isosceles~~ Isosceles triangle: Three sets of integers where $(x = y < z)$, $(x < y = z)$
 $(y = z < x)$
- iii) " " : A set of integers where $(x < 0, y < z)$, $(x < 0, y > z)$

~~Selecting one representative value from each classes. The 3 test cases are:~~

~~(1, 2, 3) (4, 5, 6)~~

Selecting one representative value
from each class. The 3 tests are:

i) $(4, 4, 4)$

ii) $(3, 3, 5)$

iii) $(1, 2, 3)$

Ans to the Q No - 3(b)

The advantages and disadvantages of cancelling code review and inspections methods.

Advantages

- i) Code doesn't have to be readable and doesn't have to be greatly structured.
- ii) Cost efficient. Since no extra code reviewers have to be hired.
- iii) Time efficient. Since code review is a long and time expensive activity.
- iv) Less pressure for the project team. This also makes them more efficient.

Ans to the Q No - 4(a)

Q i) Research Problem

Role of the governing body.

Decision making process

Financial transparency

Lack of transparency in Finance

Avoiding tax by NGO officials

Corruption in government projects

ii) Research Objectives

The study was undertaken to bring out an overall picture of the Business of Bangladesh, extent and process of

governance failure irregularities and corruption in the NGO sector. It also puts forward certain recommendations as way out for promoting accountability transparency and good governance in the sector. The main objective is to bring into focus the importance of soul searching within the sector and to sensitise all the stakeholders with particular emphasis on self-regulation of NGOs.

ii) Research Question: There have some important questions in the following research. Those are:

How many entrepreneurs are adding annually in market.

- # Success rate of businesses.
- # Export rate
- # Financial barriers and problem getting lower.
- # How much ~~com~~ competition one of business facing

iv) Research Methodology

Here for getting the quantitative information by those survey we need to focus on some major parts; we need to collect the data of their type business; Size of business; more specially number of person employed location Registration details; satisfaction indirectly

political situation. if anything affecting their business, or not monetary policy, inflation, legal environment etc. The interviewer need to be most enough to collect them by not making the complicated questions.

Every information is important hence

After collecting the data we need to divide it by many groups. We can also make a database & can add them by the business type & sub group by size.