

Mid Term

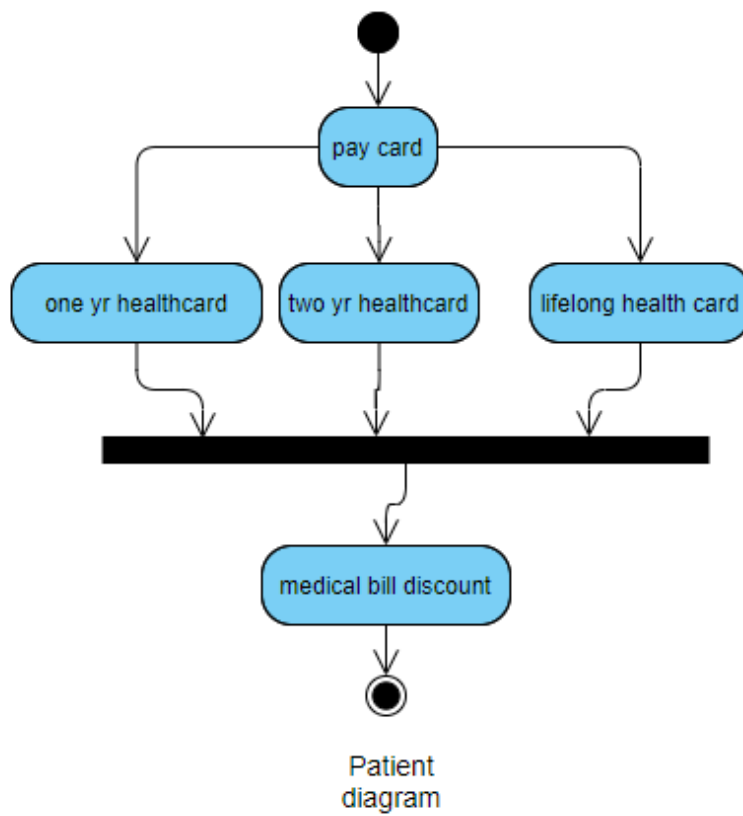
Name: KHADIJATUNNASHA MUNNY

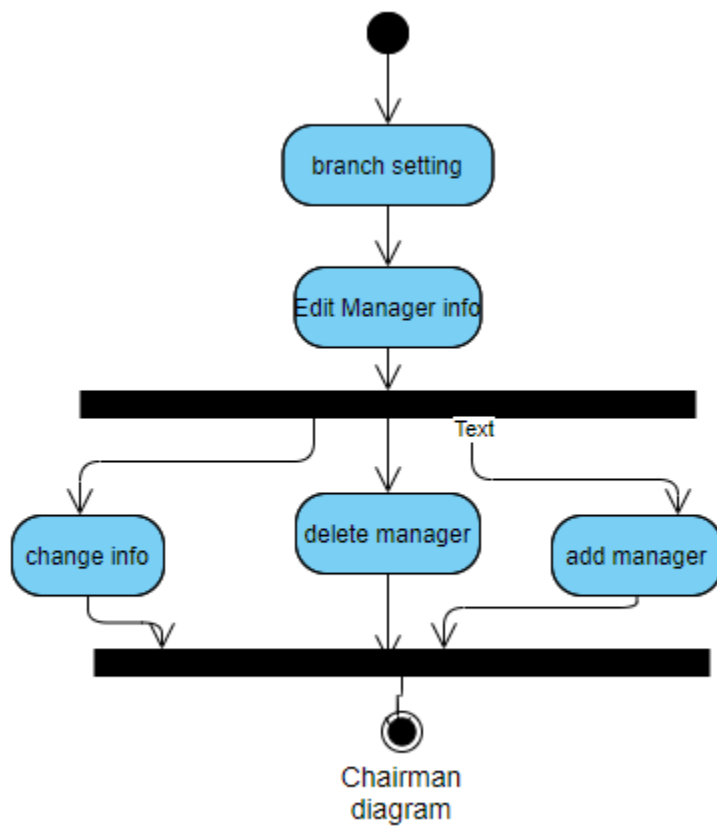
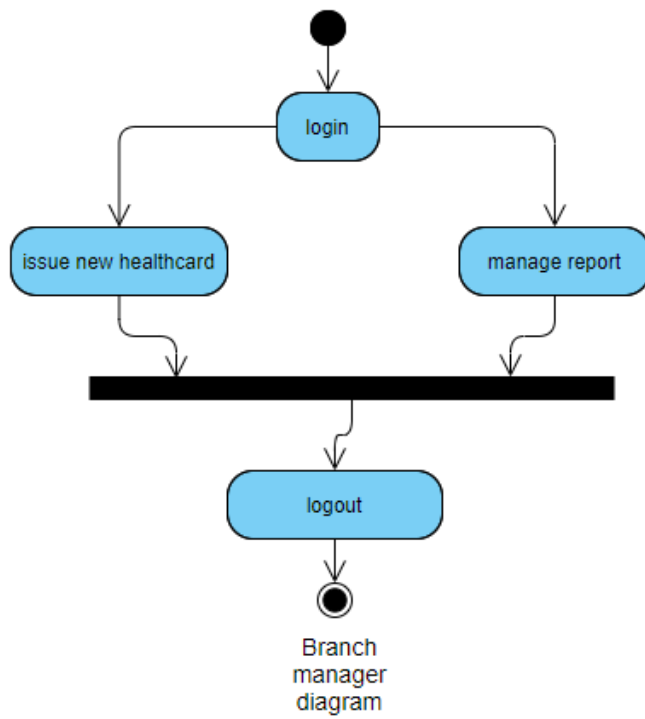
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Section: "C"

Answer Ques No 1

Activity diagram:





Answer Ques No 1(b)

From this scenario here we can see 2 types of stakeholder.

I) Admin

li)patient

Here's also 3 type of users-

I)Chairman

li)Manager

lii)patient

Answer Ques No 1(c)

SWOT:

Strength: Patient can easily use this and can get much more information.

Weakness: So many users, so must it's sometimes slow down.

Opportunity: Can collect previous documents if need and can collaborate different health care.

Threats: Crash system and loss of all information and also a possibilities of leak information.

MoSCow:

Must: Health card sub system.

Patient billing.

Should: Taking access of chairman.

Also monitoring this system by chairman.

Could: Provide discount to patients.

Access branch manager.

Would: The users dashboard shows some extra information.

CATWOE:

System should be enlarged.

This system can be transformed into mobile app version.

The data information can be back up safely.

Answer Ques No 2

OBJECTIVES:

Attendance system enables an employer to monitor their employees working hours and late arrivals, early departures, time taken on breaks and absenteeism. It is very difficult and troublesome to get the attendance of employees manually every day.

DESCRIPTION:

Nowadays barcodes are frequently used most industries. A barcode is an optical machine-readable representation that contain data relating to the object in which it is attached. Initially barcodes were systematically use to represent data by changing the widths and spacing of parallel lines, and this kind of pattern is referred to as linear or one-dimensional(1D). Later they emerge into rectangles, dots, hexagons and other geometric patterns in two dimensions (2D). This is very optimal system for taking attendance.

CAPABILITIES:

Firstly, we need to choose an algorithm or an approach to solve this problem. By using this approach, we can easily build any barcode system for our attendance system. In this approach, a barcode based automated attendance system is thoroughly described. The proposed approach provides a method to identify the individuals by comparing their input image obtained from recording video frame with respect to train image. This proposed approach able to detect and localize QR code from an input code, which is obtained from the system.

PROBLEMS:

One of the problems in real-time barcode is the difficulty to obtain sufficient and suitable code for training and testing purpose. It is hard to obtain in real-time databases with a variety of variables, and it is hard to obtain publicly available databases.

CONCLUSION:

Nowadays, Barcode system is prevalent due to its simplicity and awesome performance. For taking attendance barcode will be useful tool indeed.

Answer Ques No 3

Daily payment = \$800.

Tax = \$200

The cost = \$12,000

Daily cost = \$400/day

Payment+ Tax = cost+ Daily cost

=> (\$800 + \$200) *day= \$12,000+ \$400 *day

=>\$1000 day-\$400 day = \$12,000

=> \$600 day =\$12,000

So, day =20