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18/ENG06/071

MECHANICAL ENGINEER

COMPUTER PROGRAMMING ASSIGNMENT

1. Design the application following the software development cycle

Solution

Conceptualization

As a result of the fast growing spread of coronavirus (Covid-19), we have to ensure our human race is safe. Hence I will create an application that would run on the biopsy machine that would be able to detect and scan for any symptoms or sign related to this virus, it could also search for any abnormalities for other viruses. This would be possible as a result of the documents inputted into the program. It would have a web access to who (world health organization) so as it would allow the user to be able to download and upload data after testing and treating the patient.

2. Critically discuss the hardware and software features.

Hardware features

Scanner

Processor

Ram

Secondary storage memory e.g. hard disk

Software features

It would use an operating system e.g. graphical user interface (GUI), character user interface (CUI)

3. Support your answer with a flowchart and an algorithm

ALGORITHM

P=positive

N=negative

Step 1: start

Step 2: input Y

Step 3: If Y=P

Print 'positive'

Else If Y=N

Print 'negative'

Else

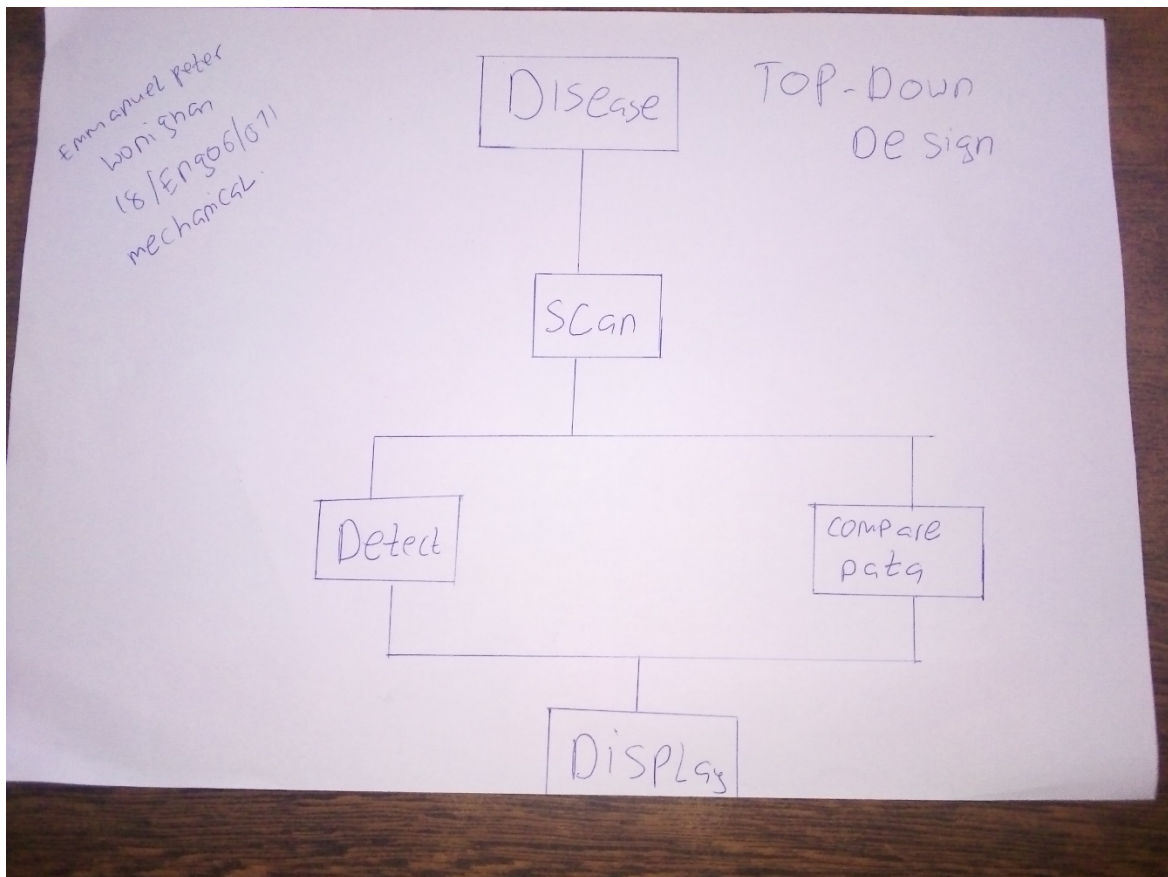
Wrong code inputted

Step 4: stop

See flow chart at end of assignment

4. Question 4

Using a top - down design



CONTD OF QUESTION 3

FLOW CHART

