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COMPUTER ENGINEERING

A WEB- BASED HEALTHCARE

MANAGEMENT SYSTEM

HARDWARE AND SOFTWARE

COMPONENTS REQUIRED.

Software development life cycle processes includes

1. Requirement analysis
2. Planning
3. Design
4. System development
5. Testing
6. Deployment

Requirement analysis

The primary idea for LMR system is an electronic social insurance the executives system.

For viable COVID19 human services, a system system observing one's essential signs and assessing one's wellbeing conditions is profoundly attractive. In our research facility, we have built up a crucial detecting system for home medicinal services. The motivation behind this examination is to design and implement a prototype web-based healthcare management system

(WBHMS) to make effective use of the data that are measured by the vital sensing system.

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Planning

In system structure, we received a stage autonomous online system for its simple use. At that point we considered security and protection in light of the fact that the individual information were dealt with by means of the Internet. Additionally, we thought about that the clients had the option to check not just the information from the fundamental detecting system yet in addition the broke down report as input

Hardware requirements list is often accompanied by a hardware compatibility list (HCL), especially in case of operating systems. An HCL lists tested, compatibility and sometimes incompatible hardware devices for a particular operating system or application. The following sub-sections discuss the various aspects of hardware requirements. These include, Intel dual Core, i3 as the processor of the Os, Internet connection for the health center, clinical thermometer.

Software Requirements deal with defining software resource requirements and prerequisites that need to be installed on a computer to provide optimal functioning of an application.

Design

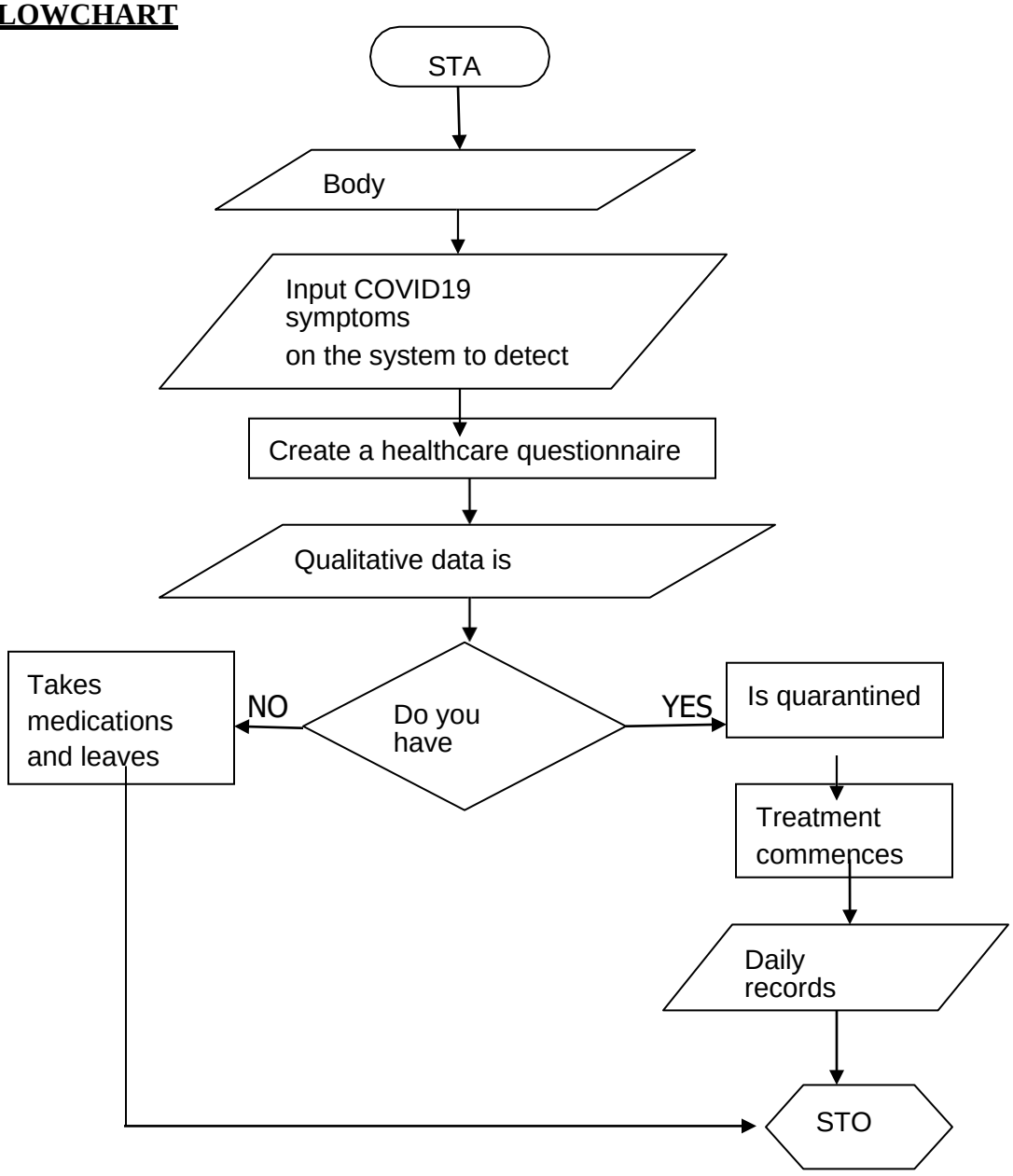
A well- defined algorithm for a web-based COVID19 Healthcare Management System

STEP1: Start

2: Body status to the virus=0

3: Add the COVID19 symptoms in the system 4: Put the software involved
5: Create a questionnaire
6: Collect qualitative data
7: Analyze Data
8: Body Status positive to the virus
9: Else
10: Body Status negative to the virus
11: Display feedback
12: Stop

FLOWCHART



System development

The data viewer function provided graphs of physiological data, which are body temperature, blood pressure, pulse wave (PW), and electrocardiograph (ECG), measured by the vital sensing system.

Testing

The COVID19 Healthcare web apps need to be fool-proof, which is why testing the apps and their functionalities become so important. Right from testing the security and compliances to the workability and the integration of the app, testing can also be done with different operating systems, internet connections and hardware.

Deployment

This application is being released to detect, display the rate of virus, store, transmit and access data through the web together and its updated when necessary based on the health center feedback

TOP- DOWN DESIGN APPROACH OF THE APPLICATION