**MINI PROJECT**

**(2019-20)**

**Medical Based Web Application**

**MID-TERM REPORT**

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**Institute of Engineering & Technology**

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**Abstract**

In this we will make a web based medical website for management purpose and helping peoples. Over time, problems meant to be solved by software engineering have grown more and more complex. Today, development model where designer, implementer and maintainer of enterprise class software is one and the same person throughout application's life cycle is mostly unthinkable. Designing Web-applications is considerably different for mobile computers (handhelds, Personal Digital Assistants) than for desktop computers. The screen size and system resources are more limited and end-users interact differently. Consequently, detecting handheld-browsers on the server side and delivering pages optimized for a small client form factor is inevitable. The authors discuss their experiences during the design and development of an application for medical research, which was designed for both mobile and personal desktop computers. The investigations presented in this paper highlight some ways in which Web content can be adapted to make it more accessible to mobile computing users. As a result, the authors summarize their experiences in design guidelines and provide an overview of those factors which have to be taken into consideration when designing software for mobile computers

**Introduction**

**1.1 General Introduction to the topic**

There are many definitions for E-Health until now but still there is no consensus on one common definition. This is because of its ubiquitous and dynamic nature. The E-health information are widely used with different meanings and purposes. In our work, we develop the E-health application mostly used for diabetes patient.

There are many benefits to different people such as doctors, patients, etc. For example, doctor’s orders can be placed electronically, which avoid wrong elucidation of hand wrote orders. And with the help of E-health, most doctors reduces the time of locating and reading patient health information.

To the patient, 5 they can begin to be gradually aware of the importance of self-care management. Moreover, it is also convenient for maintaining only with some experts in medical and application developers.

The pharmacy management system serves many purposes, including the safe and effective dispensing of pharmaceutical drugs. During the dispensing process, the system will prompt the pharmacist to verify the medication they have filled is for the correct patient, contains the right quantity and dosage, and displays accurate information on the prescription label. Advanced pharmacy management systems offer clinical decision support and may be configured to alert the pharmacist to perform clinical interventions, such as an opportunity to offer verbal counseling if the patient's prescription requires additional education in the pharmacy.

* 1. **Hardware Requirements**
* Memory [4GB RAM (or higher)]
* Intel core i3 64-bit Processor (or higher)
* Disc space : 20GB (3GB for database files + enough GB for shared documents , individual)
* Network card requirement

**1.2 Software requirements**

* Git package
* Visual Studio Code as IDE
* OPERATING SYSTEM :Windows 7 (or higher )
* DATABASE : MySQL or PostgreSQL
* FRONT-END :HTML,CSS,JAVASCRIPT,BOOTSTRAP4
* BACK-END : JAVA or PHP

**Objective**

In this project , we are going to make a website where medical store owners can log in to our site through their respective mobile numbers and can manage their database of products . Also, they can generate e –bills and print them

Design a system for better patient care.

Provide top management a single point of control.

Billing.

Up-to-date factual information.

Necessary for day to day tasks.

Increase Awareness.

**Implementation Details**

**Part 1:** To use Front end web-development -: HTML , CSS, and JavaScript.

* HTML is the standard markup language for creating Web pages
* HTML describes the structure of a Web page
* HTML consists of a series of elements
* HTML elements tell the browser how to display the content

For creating sign up form we use the form tag in html and all its attributes.

CSS is used to add style to our web page, like we can apply colors, background-color, border , Fonts, etc to our web page.

**Progress**

1.) Part 1 is completed

**Build a Hyperledger Fabric blockchain network using Amazon Managed Blockchain.**

• Create the Hyperledger Fabric blockchain network

• Check the network is AVAILABLE

• Create the Fabric client node

• Prepare the Fabric client node and enroll an identity

• Update the configtx channel configuration

• Create a Fabric channel

• Join your peer node to the channel

• Install chaincode on your peer node

• Instantiate the chaincode on the channel

• Query the chaincode

• Invoke a transaction

• Query the chaincode again and check the change in val

2.) Part 2 is completed

**Non-profit (NGO) Chaincode**

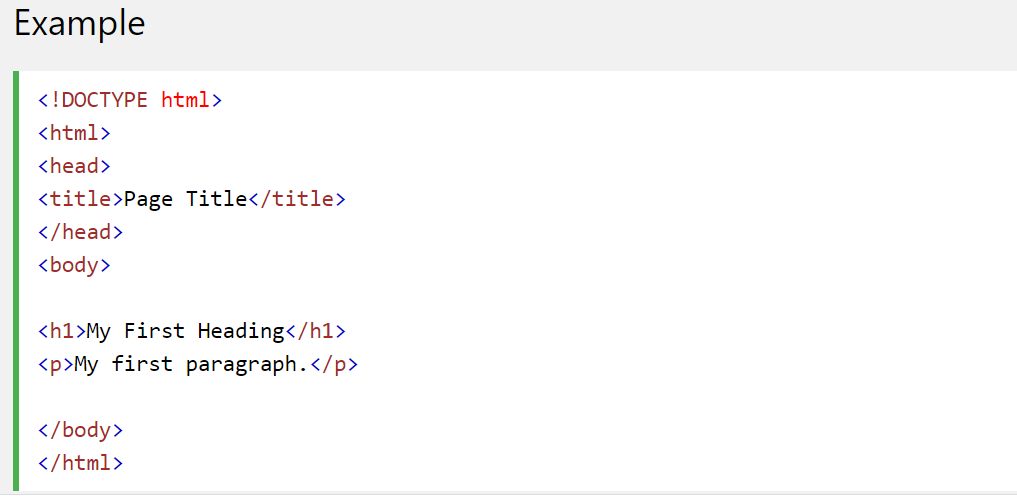
• Copy the chaincode into the CLI container • Install the chaincode on your peer

• Instantiate the chaincode on the channel • Query the chaincode

• Invoke a transaction

• Query the chaincode

**SCREENSHOTS**

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