

PROJECT PROPOSAL

A web based solution

Jefferson County Electronic Medical Clinic (JCEMC)



1. INTRODUCTION

JC eMC is an online system of the Jefferson County Medical Clinic JC eMC that allows patients to book appointments according to the availability online. As internet technologies evolve and the flow of requests per day is hugely increased, the JCMC realizes that it is more than necessary to build an online system that will satisfy the patient's needs. And make day to day operations of the medical center more efficient. This tool will provide the patients an optimized schedule with their respective doctors.

1.1 Objectives

The general objective of the projects is to develop fully functional online clinical management system.

- Patient Management (How many time he/she came, prescription, illness)
- Doctor Management
- Appointment Management (Check availability, make an Appointment, View Appointment History by Client and Doctor, Check in & Checkout Status)
- Medication Management

1.2 Target Customers

- Clinic Admin- all higher and lower level management teams will be able to use this tool in day to day operations
- Patients – Will be able view and book appointments.
- Doctors – Can use this tool to view patients and medical history

1.3 Application Features and Description

The web application will let user's login into the system and based on their access level provide different features which the user will interact with.

The patient will have a dashboard view of and modify:

- His/her appointments

- Check History

The Doctors use the tools for managing their patients and creating the records along with the essential information of their patients. The information gathered from the patient's appointment will be used by the doctor to Check in and Check Out the patient.

2 POSITIONING

2.1 Problem Statement

The problem of	Patients sometimes spend lot of time staying in a queue in the clinic, but not be able to get served because to much visits on a day.
Affects	Doctor, Patient, Administrator
The impact of which is	Patients have to go physically to the clinic, and they may not get served.
A successful solution would be	Patients will see all availabilities of the doctors they want to see while at home, this will help them to save their time and money.

2.2 Product Position Statement

For	Patients (online)
Who	Those who want to manage their time efficiently
The (product name)	Jefferson County Electronic Medical Clinic (JC eMC)
That	Saving money and time

3. STAKEHOLDER DESCRIPTION

3.1 Stakeholder Summary

Name	Description	Responsibilities
Admins	Admins add, edit, delete Doctors; populate medicines; views the patients list.	Admins are responsible for maintaining and managing data of the JC eMC.
Online Patient	Online customers create user account, select, remove, items, place order, and make payment on the system.	Online customers are responsible to make payments for orders.
Doctor	Check In and Check Out patient, view and edit patient history	Are responsible for responding to appointments made by patient

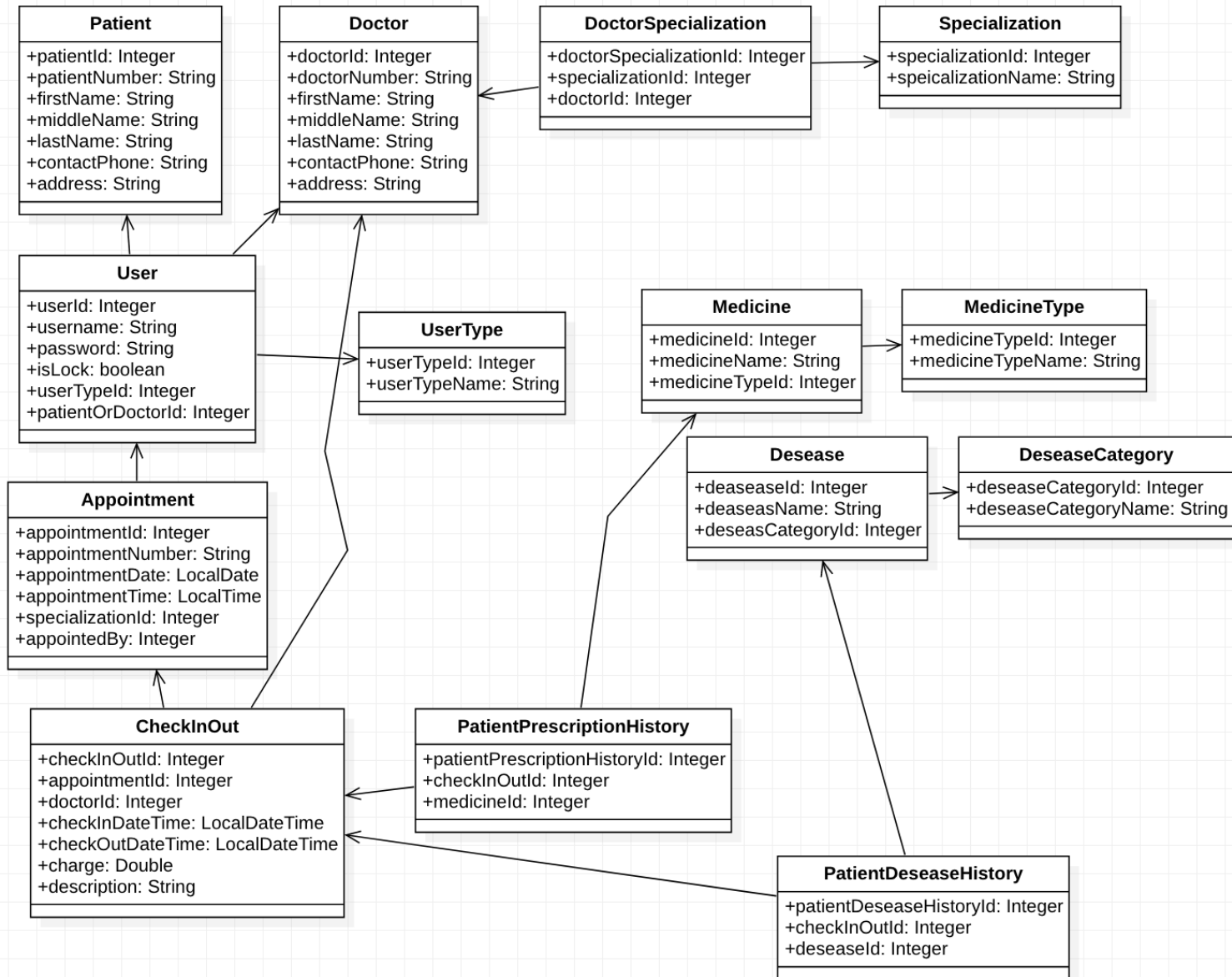
3.2 User Environment

The project will be developed using web development tools. There are five peoples involved in developing this system. This project is capable of adding some features on it. The participants will spend around three days to complete the user requirements listed on the problem statements. The system is designed to be responsive for different devices such as mobile, and personal computer. The system is not restricted to any platform that supports any web browser.

3.3 Assumptions and Dependencies

For proper functioning, the system requires a good internet connection.

UML





Team Members

Xsron Hou

Darphe Hyppolite Jean

Tsegaye Tenkir Beza

Kanharith Sok

Sinishaw Tenaw

WAP Final Project

MIU April 2020

Electronic  Medical Clinic