**Hospital Management System**

This project will be submitted as partial requirement for the course CS-217 in spring 2021.

**Member 1:** Ali Abdullah (k20-0248)

**Member 2:** Abdullah Memon (k20-0283)

**Member 3:** Mohammad Yasir Jamal (k20-0158)

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**Introduction**:

The purpose and essence of any management system is the right information, in right place, in the right order, at the right time for the right person at the lowest cost.

For this feat to be achieved a highly efficient hospital management system is needed as existing systems are highly inefficient.

**Goal, Aim & Project Selection:**

We have researched considerable ideas from different websites ranging from Wikipedia to those websites used in local hospitals concerning the features used in the Hospital management system. This has helped us in coming to the conclusion that due to innumerable slips that are used day in and day out by the hospital, the job can be very time consuming and requires a number of staff members just to carry out the most basic of tasks.

Moreover, the possibility of error can be very high. This not only threatens the patients' livelihood (They might have been suffering from a different illness compared to the one registered in the logs) but also the doctor’s credibility. This ultimately helped us in coming to a conclusion that a more efficient program is needed. This is why our particular topic was chosen.

Our goal is to create an efficient and secure system which will store patients and staffs data and will be used by FAST Hospital.

**Description:**

A patient’s accurate medical records must be available to the hospital at all times. It must be made sure that the records are not accidently modified. Our system will offer interfaces for managers to view staff’s work information and for staff to view a patient’s medical records to provide them with the best possible care.

So we would be making a C++ language management project using **OOP principals** in which our major purpose would be to make an efficient program which will store the data of all the patients and the staff members but our main focus would be to develop a search module.

**Actors/System User(s):**

Manager, Staff and Patients

**List of Features:**

* Maintain the medical records of the patient
* Maintain the contact details of the patient
* Keep track of the appointment dates
* Maintain employment records of staff members

**Tools & Techniques:**

The language used will be C++ and for IDE Dev C++ will primarily be used.

**Schedule:**

To be submitted in the 12th week of the spring 2021 semester.

* Accept
* Reject

**Course Teacher:** Basit Ali                 **Signature:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_