CODE EXICUTIONERS

Project Report 1

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ITRW311

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Database Initial Study

Analyse the company's situation:

Medicare hospital has been struggling to keep updated records of patients. Their predicament is that there is a lot of patients with various illnesses, medication and various doctors treating those patients.

Medicare hospital has different levels of management that require an efficient flow and transition of information between those management levels. Within the various departments we should ensure timely and accurate availability of information as required by departments.

Define problem and constraints:

Medicare is presented with a huge problem being that the old system is an out of date system. The old filing system was too time consuming, didn't keep track of patients, security of the system was breached, having redundant information, information was outdated and was not able to keep track of medical supplies.

Code Executioners is hired by Medicare hospital to build an efficient information system that can be accessed by various employees. This Caduceus information system should be able to take in a large amount of data, process it and turn it into valuable, accurate information for the hospital.

Our challenge is making the Caduceus system user friendly, input, processing and output of information should be accurate and timely and accessibility to the relevant users of different departments.

Define objectives:

To capture information, process it and display an output in a format that's relevant to all levels of departments. The system should automatically eliminate redundancies without effecting the database as a whole while updating and managing the patient's information effectively and distributing it to management. This will result in a professional services through an information system that will aid in the flow of information.

Defining scope and boundaries:

The Medicare hospital has presented as a scope that is defined as updating their system, improving it and making it an efficient system, so that all users involved can use and execute the system. The Caduceus system will be responsible for patients records, thus the quality of the system will have a high standard, ensuring the safety of the patients.

Possible licensing issues involving medication can be a boundary as well as, human resources that will have the skill to use the system, a system that's easy to maintain and a GUI with an understandable user interface.