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Assignment VI : Case Study (Local health centre)

Assignment - VI

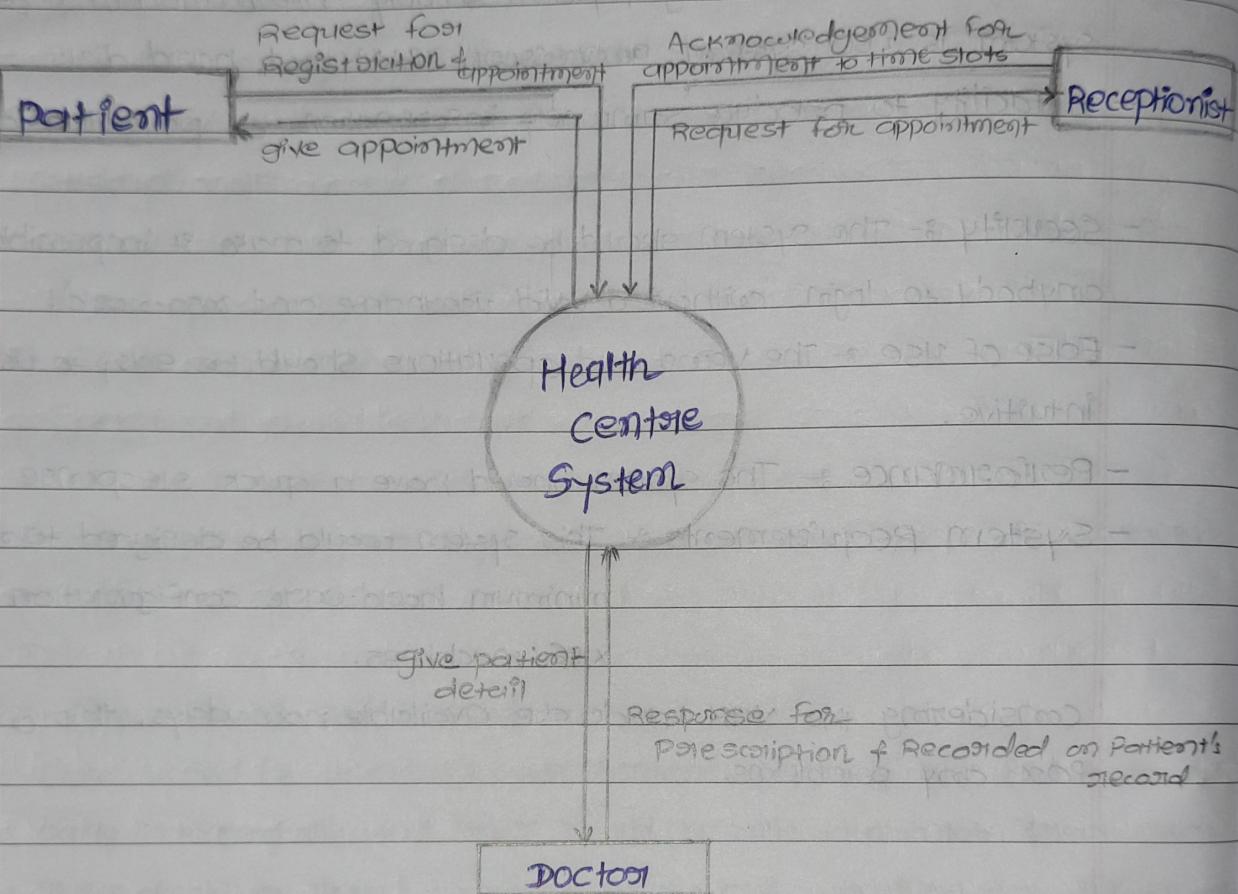
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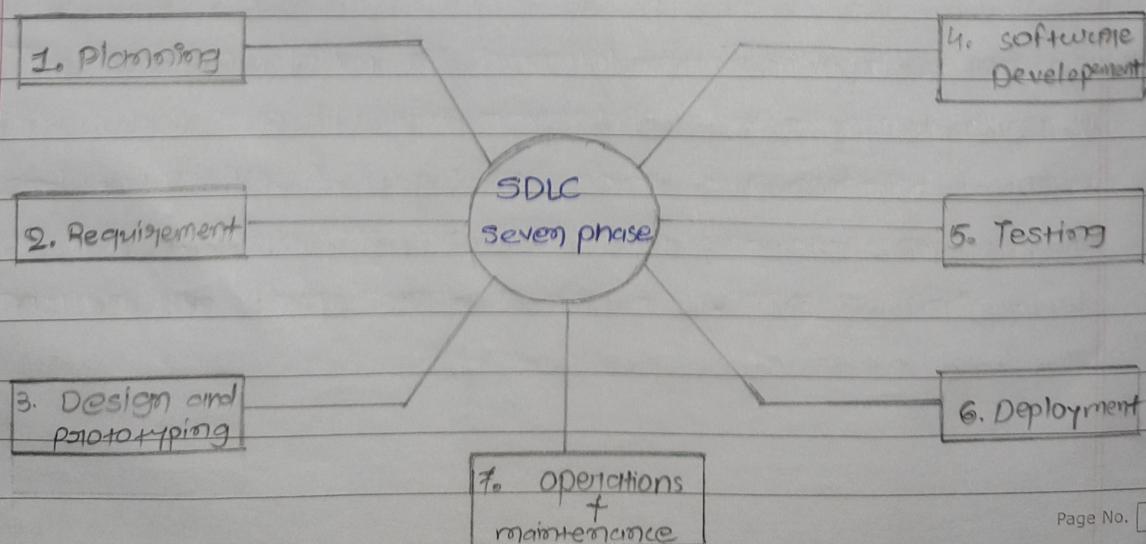
Case Study of Health Centre System

1) Context diagram

of health Centre System



2) System Development Life Cycle



1. Planning :- This System is built for automation of all the activities of the hospital to make them happen faster. It was difficult to keep proper records of the daily activities of hospitals, patient information, maintenance schedule of equipments in the hospital.
2. Requirements :- Intel processor or equivalent, RAM 256 MB or higher, HDD 4 GB, Windows 7 or higher.
3. Design & Design describes a final System and the process by which it is developed. To determine how the output is to be produced and in what format.
4. Software development :-
 - i) Reception Management & Patient Related Enquiries, Doctor related enquiries, Appointment Time slots, Availability details.
 - ii) Patient Appointment Registration :- Patient details, like name, date of birth, address etc. + receives a unique patient number.
 - iii) Out Patient Management :- After the registration the patient comes to the consultation chamber, where the consultant records his history and prescribe medicines + investigation.
5. Testing :- To test the portal for new patient registration has all the mandatory fields required for registering patient. To verify that after filling the patient details and successful payment a patient-card or unique number.
6. Deployment :- A deployment diagram would show what hardware components exist, what software components run on each mode, and how the different pieces are connected.
7. Maintenance :- Maintenance of medical equipment is an important component of technology management.

3) Recommendation for health centre :-

→ we live in a time where most of us use the internet for sending or receiving information every day. health centre infrastructures, when done properly, can help to aggregate data, provide the right information to the right people.

i) Create a sense of urgency : This system of health centre can't appoint urgently. this feature must be include.

ii) Create Account department : A receptionist will help each patients, not ignore a patient's call because it will urgent. Account department may keep track of all patient and all transaction of bill may be going through this way.

iii) Provide consistent quality patient care : Ensure quality patient engagement is replicated throughout the care team, measuring for effectiveness and tracking for improvement.

iv) Train caregivers into allies : Educate the staff to the importance of including caregivers in caring for patients both in the hospital and at home. As partners, these individuals can be significant supporters to nurses' efforts to provide quality patient care.

v) Understand caregivers impact hospital image and reimbursement:

Every impression matters. Poor performance by a member of the nursing team can degrade the entire team's performance.

Hospitals should recruit, train and retain staff that understand the service side of the care experience.

- The implementation of hospital management system provides the institution with different advantages that improve the service quality and efficiency. As mentioned above it is collected for three groups of users: patients, hospital staff and management, and third parties like drug suppliers and insurance companies.