

# Mini - Project for HCL - Internship.

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→ Title - Healthcare management system.

→ Abstract -

This system provides the benefits of streamlined operations, enhanced administration & control, superior patient care, strict cost control and improved profitability. HMS is powerful, flexible and easy to use and is designed and developed to deliver real benefits to hospitals.

This project 'Healthcare management system' is based on the database, object oriented and networking techniques. This project uses JAVA as front-end software which is an object oriented programming and has connectivity with MySQL. It covers all the required modules right from patient registration, medical details, doctor, wards, admin store, patient appointment, bill payment, record modification, discharge details etc...

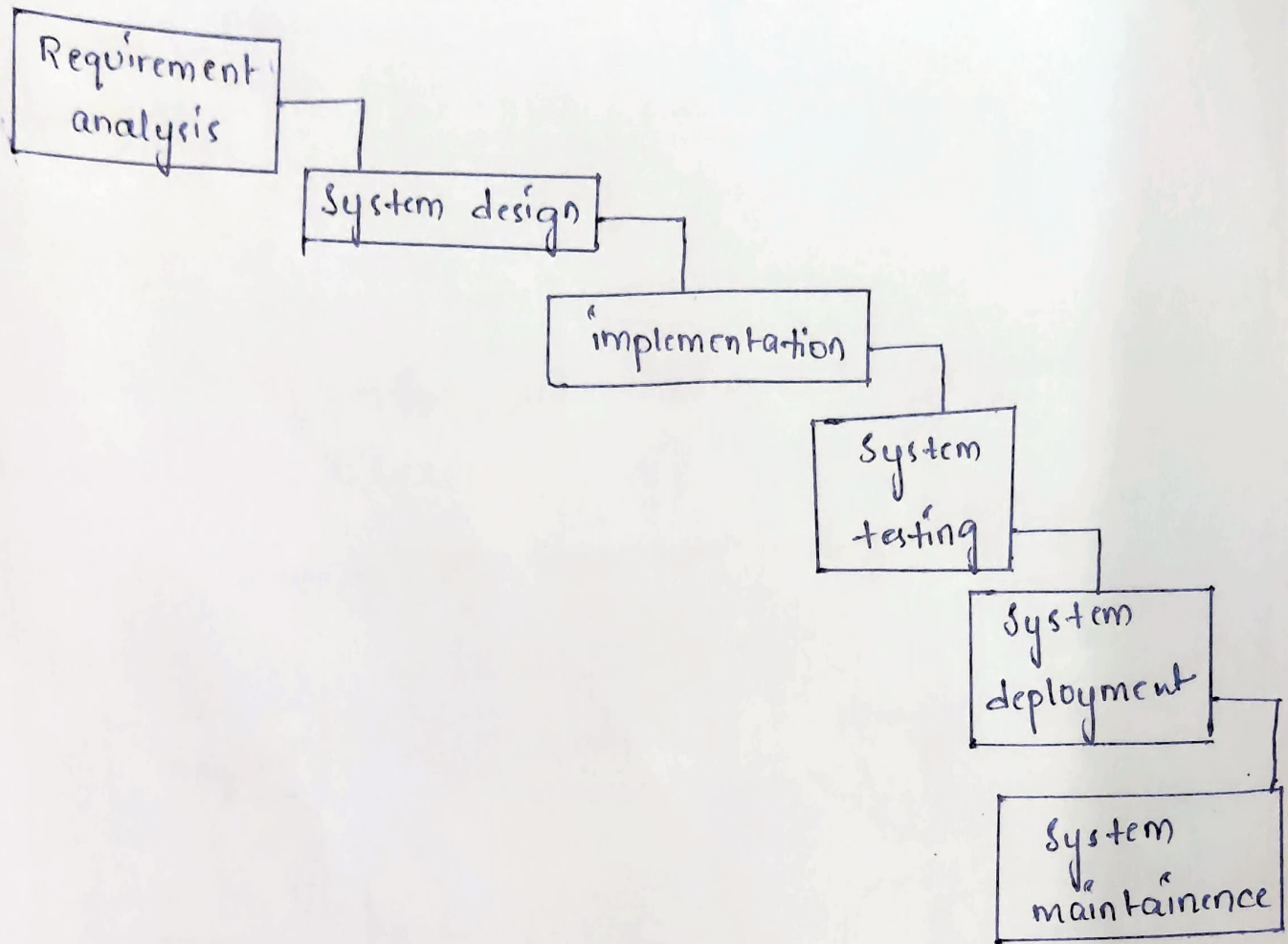
→ Software system attributes -

- Reliability
- Availability
- Security

→ Scope of working -

The proposed software product is the healthcare management (HMS). The system will be used in any hospital, clinic, dispensary or pathology lab, clinic, dispensary or pathology to get the information from the patients and then storing the data for future usages. The current system in use is a paper based system. The intention of the system is to reduce over-time pay and increase the no. of patients that can be treated accurately. Requirements statements in these documents are both functional and non-functional.

→ Waterfall model -

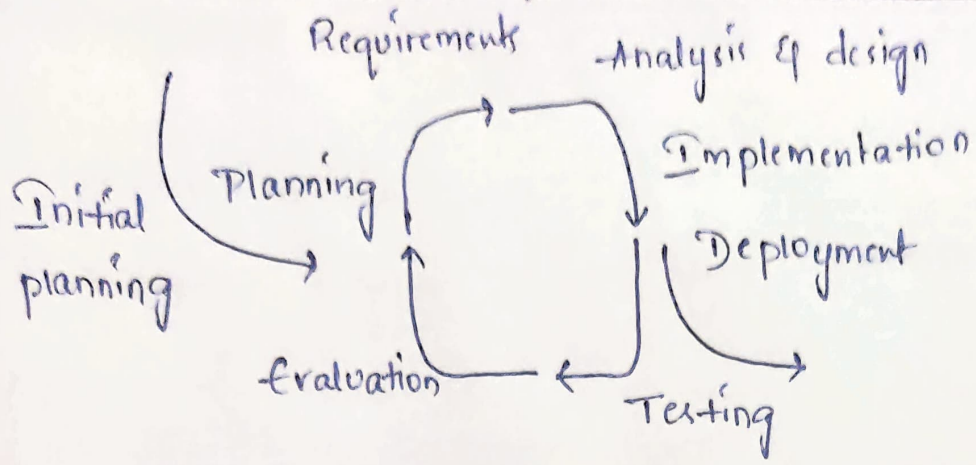


→ Project management in life cycle -

The four phases are:

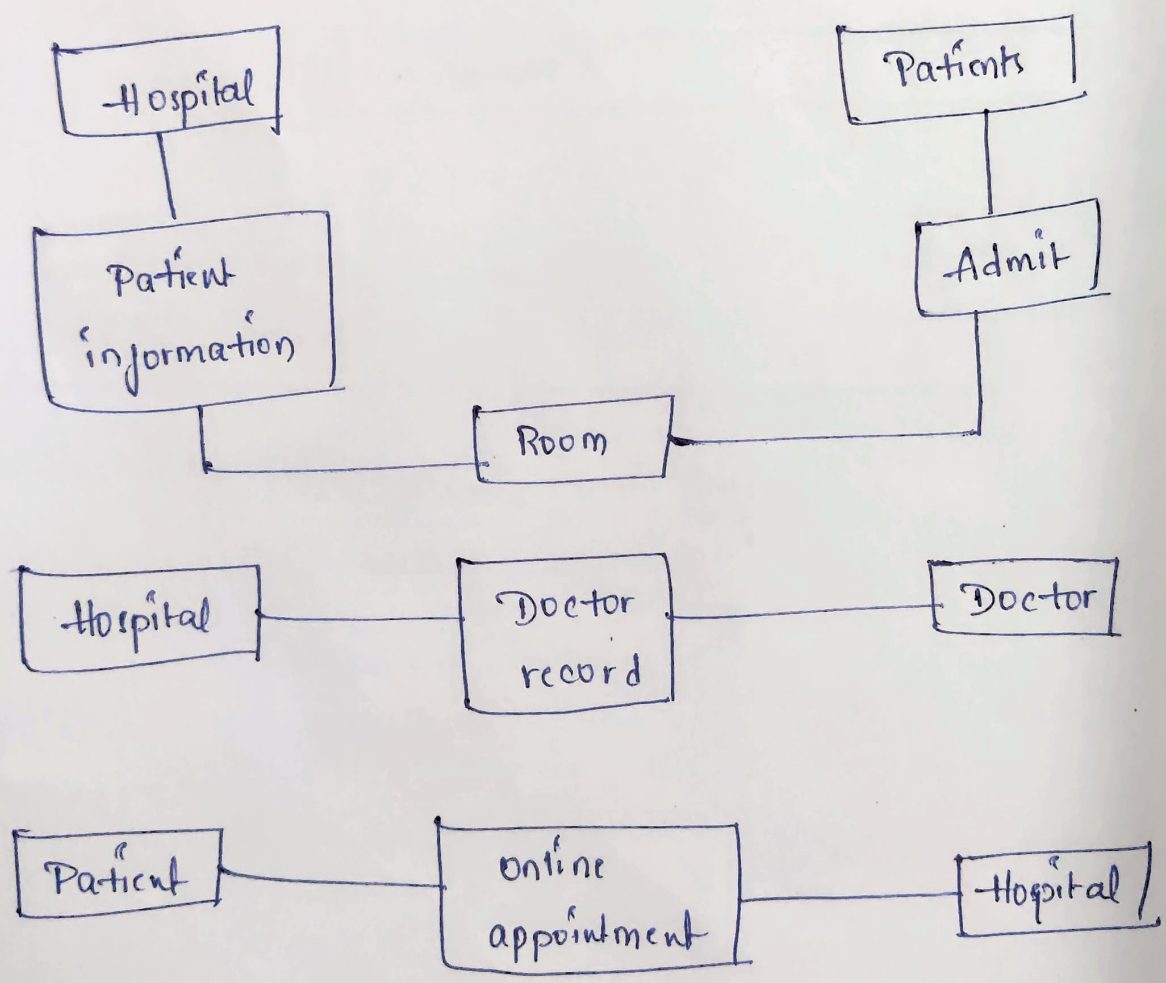
1. Initiation
2. Planning
3. Execution
4. Closure





∴ Iterative and incremental lifecycle.

→ E-R diagram of healthcare management system -



∴ diagram of online marketplace.

→ Admin login page -

Actor - admin users

Output - Uttara medical center

## Admin login

sign in to your account

Please enter your name and password:

• Username

• Password

Login →

∴ Admin login page.




→ Appointment history page -

| HMS               | PATIENTS   APPOINTMENTS |              |         |           |
|-------------------|-------------------------|--------------|---------|-----------|
| Dashboard         | Doctor's name           | Patient name | date    | status    |
| Doctors           | 1. Prof. Dr. Ram        | Suresh       | 13.7.22 | Cancelled |
| Patients          | 2. Dr. Kiran            | Rakhi        | 1.9.22  | Cancel    |
| Appointments      |                         |              |         |           |
| User session logs |                         |              |         |           |

∴ verified user profile page.

→ User details page -

Actor : User

| HMS                 | USER   DASHBOARD  |   |   |
|---------------------|---|---|---|
| Dashboard           |  |  |  |
| Book appointment    | my profile  | my appointments   | Book my appointment   |
| Appointment history |   |   |   |
|                     |   |   |   |



→ Doctor login page -

Actor : User

HMS | Doctor login

Signin to your account

Username

Password

Login ->

→ Advantages -

The software helps to handle the entire healthcare facilities. After the customized software is implemented and integrated into the system, patient care and about health becomes an easy job.

END.

Thank you.