

Hospital Management Software

Prepared By:

Jeewan Ghimire, 181315

Laxman Pokhrel, 181318

Parameswarman karki, 181324

Introduction

1. We developed a Hospital Management System application for multi-specialty hospitals to maintain hospital data.
2. The web form based desktop application allows us to keep a record of the doctors' detail, rooms detail, patients detail, bill detail, and patient payment detail, etc.
3. The Hospital Management Software System we have come up with is the C# windows form application which uses a database for its management.

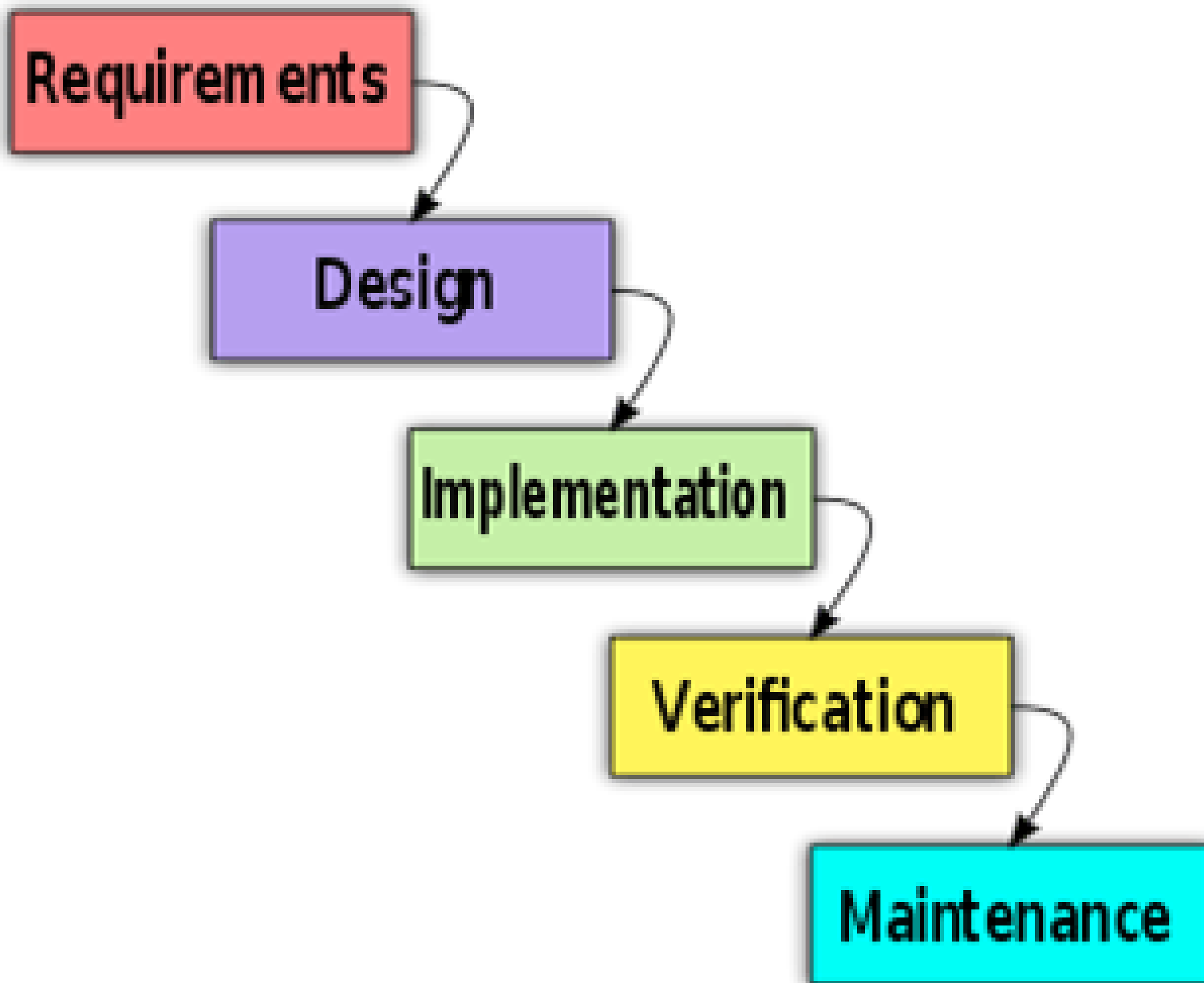
Problem Statement

- **Lack of immediate retrievals:** -The information is very difficult to retrieve and to find particular information.
- **Lack of immediate information storage:** -The information generated by various transactions takes time and effort to be stored in the right place.
- **Lack of prompt updating:** -Various changes to information like patients are difficult to make as paperwork is involved.
- **Error-prone manual calculation:** -Manual calculations are error-prone and take a lot of time this may result in incorrect information. For example, calculation of patient's bills based on various treatments.

Objectives

- To make all the systems computerize means no paperwork.
- Reduce the manual work for managing the Sales, Discounts, and Payments.
- Reduce time consumption.
- To maintain a simple database where the administrator is guaranteed access by building the project at the administrative end.

Methodology



Methodology includes:

Analytic Phase- In this phase, the requirements of the software was analyzed which resulted in “Software Required Specifications”.

Design Phase- In this phage, analysis of SRS was translated into the system’s design. Context Diagram, Use-Case Diagram, ER Diagram and Class Diagram were developed.

Methodology

Coding Phase- This phase involvement the coding as per the design and formation of a working system at the end of the process.

Testing Phase- In this phase, the system was tested. With each testing, certain changes were made as per the suggestion. This was done in an incremental manner until a satisfactory was made.

Future Works Of Webtron

Currently, the system focuses in digitizing the work of accountant , patient, employee and doctors. Further the system will be able to manage tests reports and related aspects of management.

The following features will be incorporated further in the system.

- Tests data management
- User interface will be improved
- Appointment system can also be implemented
- Application can be made web-based to overcome the difficulty of fulfilling system requirement.

Conclusion

In Conclusion, Our project is a Simple window-based application named The “Webtron” which is a Hospital Management Software. That is used for storing the data of the Doctors, Patients, and medicine prescribed to the particular Patients.

It has a simple interface that needs a login id and password which is Authenticated using Database as MySql.

It is a computerized system with a simple user interface. During the process, we have mainly focused on implementing the things we have been learning to come up with satisfactory outcomes along with some extra research. Requirement analysis has been given more emphasis.

Appendix

