

**Java Institute for Advanced Technology**

UNIT NAME : SOFTWARE APPLICATION DEVELOPMENT

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Software Requirements Specification

for

Hospital Management System

Version 1.0

Prepared by

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# Introduction

Creating a hospital management system. System has two major management area, witch are OPD and IPD management, With this system Patient can get Receipt and this receipt through patient can get medication.

## Document Purpose

This hospital management system helps the hospital management and their customers to fulfill their needs without any hassle.

## Product Scope

With this hospital management system Patient can get Receipt and this receipt through patient can get medication. Also the receptionist can see the Receipt details of the customer through the receipt code. The owner can also check the report using this system.

## Definitions, Acronyms and Abbreviations

SRS : Software Requirements Specification.

HMS : Hospital Management System.

UI : User Interface.

DBMS: Data Base Management System.

# Overall Description

## Software Perspective

The hospital was established 5 years ago. Over time, the hospital’s management wants to give customers a new experience. Therefore, the hospital management decides to create an desktop software.

## Users and Characteristics

This HMS is mainly focused on patient, doctor, cashier, admin, pharmacist, receptionist and super admin. The patient takes the lead from that too.

The patient can get receipts from the receptionist.

The receptionist can view customer details, make deals with customers, check-out customers, and print receipt.

And finally the super admin can access to the all frames.

## Operating Environment

Users (not patients) can sign into HMS using the application from pc ,desktop, laptop device.

## Design and Implementation Constraints

MySQL is the DBMS that HMS uses to store and retrieve data. Also, the programming language is Java. We also use ‘payhere’ as a payment gateway.

## User Documentation

We physically train the hospital staff to take this HMS. We also handover documentation to hospital side users. Also publish video A to Z using this system.

# Specific Requirements

## External Interface Requirements

### User Interfaces

### Hardware Interfaces

* Computers
* Laptops
* PC
* Desktop

### Software Interfaces

* Java JVM
* MySQL
* Jasper report
* System Schedule

## Functional Requirements

* super admin has all the access to the software
* receptionist can see the receipt details of the customer through the receipt code.
* Print bill and invoice.
* Check rooms.
* Log in.
* Make payment through payment card.
* Doctor’s can give medication to patients.
* Pharmacist can give drugs to patients.
* Nursing.

## Behavior Requirements

### Use Case View

### EER Diagram.

# Other Non-functional Requirements

## Performance Requirements

* We used Java version (JDK 8).

## Safety and Security Requirements

* Provide SSD storage.
* Daily backups.

# Warranty Period

One year payment free full customization. And in this time we give user training anytime. After warranty period ended. We charge for any modification specific amount.