# Introduction

SDD document designed for any user.Therefore, system architecture and properties must be understandable.It summarizes software architecture and design goals.System design be defined to meet the requirements in the using system and provide the best services to users.We have divided the project into smaller units to implement with easy terms and best the Hospital Appointment system that we done.

In this Project firstly We identify the needs of present system.We designed the system that we will do in line with these requirements.

## Purpose of the System

Purpose of the Hospital appointment system devise a appointment system with

simple,easy to use, and internet and web browser that can be usable from any device

as described in the previous report of Requirements Specification and Analysis. Users can enter the system and easily make an appointment, see the test results and choose the outpatient clinic.

## Design Goals

When they enter the system, they can choose a polyclinic. They book an appointment or cancel an appointment if they want.At the same time all users view appointment at the part of appointments.They can see the test results.

**Security :** The system security is one of the most important non-functional requirements.

**Usability:** The system should be user friendly and easy to understand and use.

**Reliability:** The system will be safe.All user enter the system with their TC numbers and password.

**Flexibility:** It requires Internet and available web browser with the device.

**Implementation:** System should be modified and readable.The number of errors must be minimized.

**Interface:** The interface should be as good as possible.

**Supportability:** Developer is responsible for testabilty, modified and compatibility of the system.

**Scalability:** Application should be able to handle large numbers of clients.

**Performans:** The system has to be sturdy enough to manage any valid input from the users.

## Definitions, Acronyms, and Abbreviations

LFH: A name of the system

User :Who use the LFH system

Personnel: : A person who Setting appointments and update doctor information

Admin: : A person who do some operations on database.

RAD: Requirement Analysis Document.

## References

-There are many Hospital Appointment System on internet but our system different from others.

# Current Software Architecture

Our system is not an existing system. The hospital is new, so we will create a new system. When the patient(user) registers with the system and logs in, he/she can make an appointment with each department, get information about doctors and clinics and reach the lab results. When the personnel logs in to the system, they can edit or delete the user's appointments. Other than that, the doctor can add working hours and laboratory results. When the administrator login the system, he/she can add new personnel, delete personnel or edit the personnel information. Likewise, administrator can do these for doctors. And finally, to give this system a name, we call it the Life Hospital system.

# Proposed Software Architecture

Life Hospital System is a web-based system. This project for a new hospital and this system offers the possibility to choose according to status of user. Our system has a difference of user-friendly interface and reliable, than the like other hospital systems. If user is patient, login on system and he/she get an appointment from this system. Also this system offer opportunity to cancel appointment. Other user is Hospital Personnel which is setting available doctors times, adding laboratory results on system and editing patients’ appointments on system. Finally, users have knowledge about hospitals’ vision and mission on this website. According to the like other hospital systems, we tried to make our system easy to use, open and easy to develop.

## Overview

## I) User Mode

* **Register;**

Patients may register on the system with required information. If users not registered in the system, they can login the system after registered

* **Request Password Reminder;**

When patient forgot his/her password, use reminder password button to remember password.

* **Authentication;**

Patients can enter the system with own TC number and password which is created by own on register. Patients who is previously registered in the system can access next step from this part.

* **Book an Appointment;**

When patients enter get appointment option, they do selection hospital, department, doctor, day and hour step by step.

* **Save an appointment;**

After he or she checked appointment’s information on the page which is show patient’s choosing if all information are true he/she click the save button and get an appointment.

* **Cancel an appointment;**

Patient’s all appointment showing same page on system. Patient click the appointment button if patient is not going to go to appointment then he can cancel which he wants.

* **Logs Off;**

Patients exit the system when they finished their operations on the system.