HIGH LEVEL DESIGN

MED PLUS

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1. REQUIREMENTS AND HIGH LEVEL DESIGN DOCUMENT

1.1Introduction

Why this High Level Design Document?

The purpose of this High Level Design (HLD) Document is to add the necessary detail to the current project description to represent a suitable model for coding. This document is also intended to help detect contradictions prior to coding, and can be used as a reference manual for how the modules interact at a high level.

Scope

The HLD documentation presents the structure of the system, such as the database architecture, application architecture (layers), application flow (Navigation), and technology architecture. The HLD uses non-technical to mildly-technical terms which should be understandable to the administrators of the system.

Overview

The HLD will:

- present all of the design aspects and define them in detail
- describe the user interface being implemented
- describe the hardware and software interfaces
- describe the performance requirements
  - reliability
  - maintainability
  - portability
  - reusability
  - application compatibility
  - resource utilization
  - serviceabilit

1.2 Subject Matter Experts Agreement List

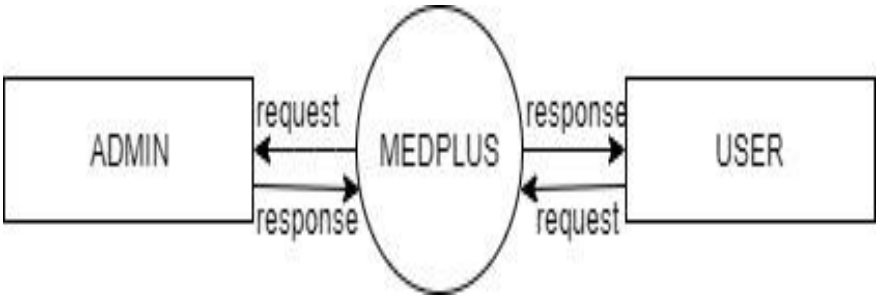
Name	Title/Role	Mandatory Reviewer (Y/N)	Agreed To
Nithin V S	Project Leader	Y	Create the data flow model
x	Client	Y	Give appropriate requirements
Athira	Programmer	Y	Write brief descriptions about the system
Nakul	Programmer	Y	Create the data flow model
Premdev	Programmer	Y	Write brief descriptions about the system

1.3. GENERAL DESCRIPTION

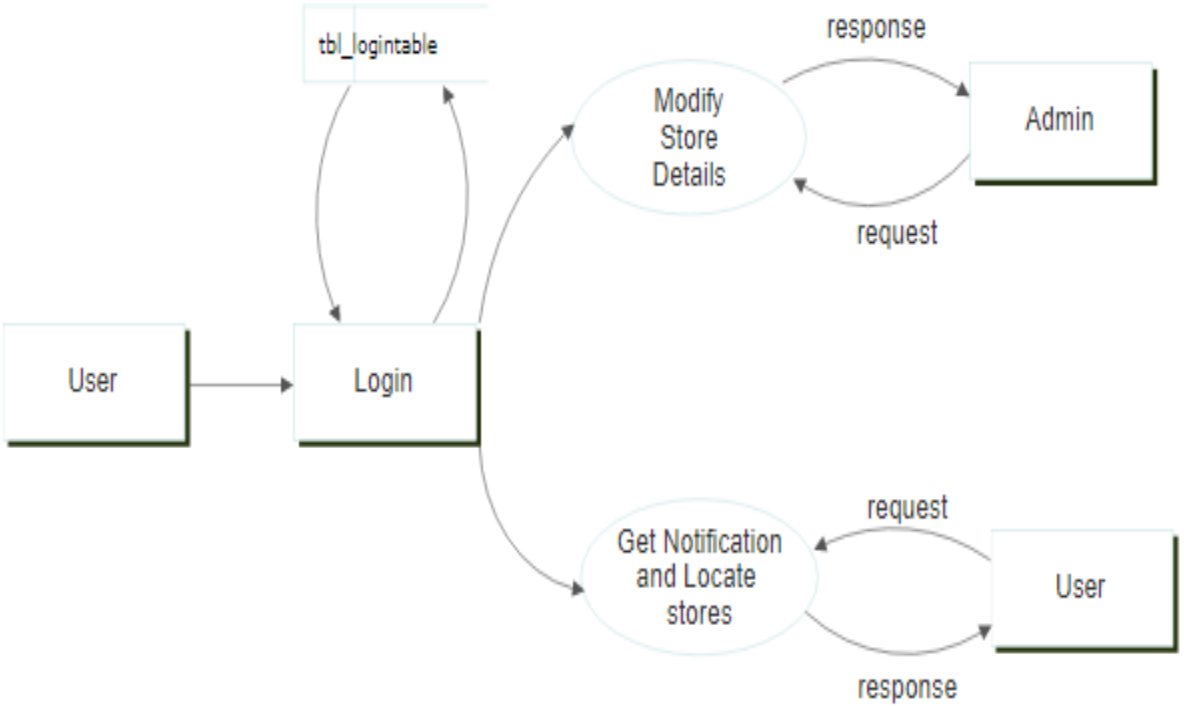
In today's busy schedule, people often tend to forget the most important things of our life, that is taking care of our health. When it comes to health, a big part of it is dealt by our medicines. This app intends to make it easier for the users by handling a few of the most responsible things regarding medicines. Anybody who would like to get relieved of the headache of remembering and counting medicines every alternate day should use this app. It will help not just in maintaining stocks but will also show nearby shops' locations where the medicine might be available.

1.3.1 Data Flow Diagram

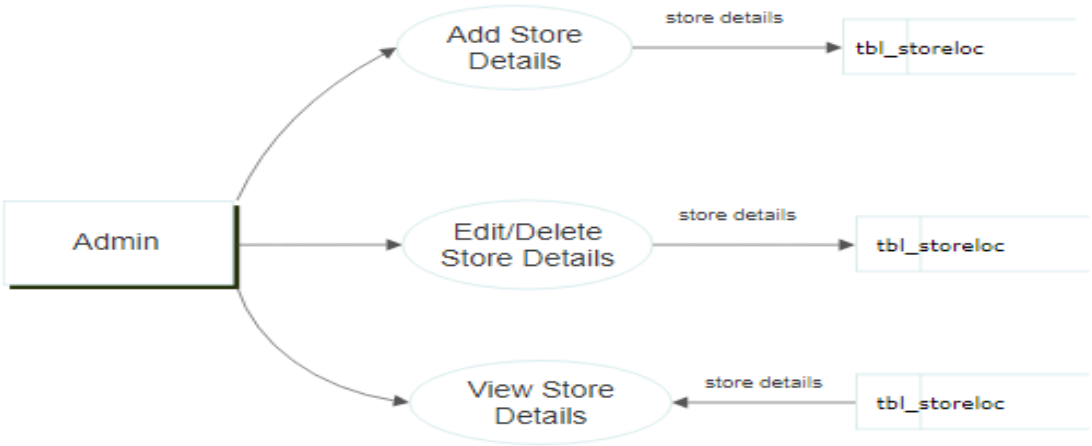
Level 0



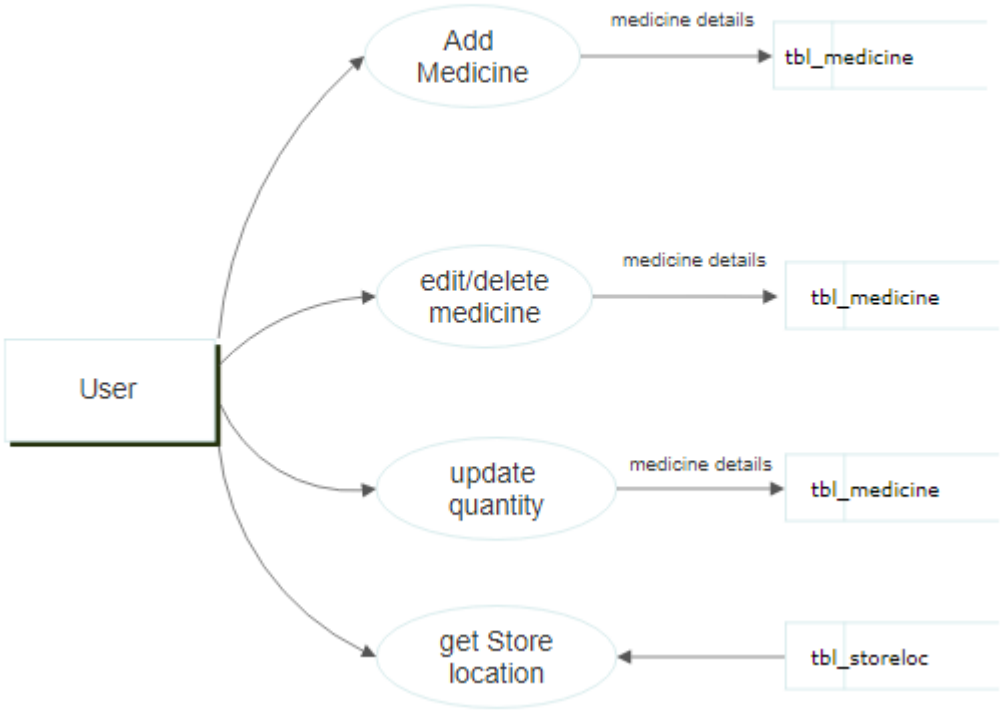
LEVEL 1


tbl_logintable
response
Modify
Store
Details
Admin
request
User
Login
request
Get Notification
and Locate
stores
User
response

LEVEL 2


Admin
Add Store Details
Edit/Delete Store Details
View Store Details
store details
store details
store details
tbl_storeloc
tbl_storeloc
tbl_storeloc

LEVEL 3


User
Add Medicine
medicine details
tbl_medicine
edit/delete medicine
medicine details
tbl_medicine
update quantity
medicine details
tbl_medicine
get Store location
tbl_storeloc

1.3.2 Requirements Table:

Requirements	Description	Requirement Class
Sign in	User need to sign in by entering username and Password	Required
Sign up	User need to enter various details for Registration. Then the user gets a password which is generated by the system.	Required
Individual Profile	After sign in or sign up. An individual profile can view	Required
Add patient give prescription	After login doctor can add patient details and write prescription	Optional
Book Appointment	After login as a user can book an appointment	Optional
Edit/Delete/View	Admin can delete user details He can view users	Optional
Edit/Delete/View	Doctor can edit or delete patient individual profile details. They can also view their profile details.	Optional
Tracking	Patient who needs medicine can contact to the storekeeper via location tracking.	Optional
Log out	The users & admin logged in are able to log out.	Required

1.4 Desired Behavior

This program is designed mainly for old peoples for handling medicine related matters and consultation of doctors. It provide facilities for setting remainders for taking medicines, appointments from doctor .It also reminds the user when medicine stock goes below 30%.It helps in tracking the location of nearby medical shops. The system also help the doctor to manage his appointments and the storekeeper for maintaining the stock.