**LOW LEVEL DESIGN(LLD)**



Presented by

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**DOCUMENT APPROVAL**

**APPROVALS OF DOCUMENT**

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**DOCUMENT CHANGE HISTORY**

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| **DOCUMENT VERSION** | **AUTHOR** | **DATE** | **DESCRIPTION** |
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**1.0 DOCUMENT PURPOSE**

This document describes the solution architecture for pharmacy management system.

**2.0 INTENDED AUDIENCE**

This document is intended as a reference for the following roles and stakeholders who are interested in the pharmacy management system technical architecture

|  |  |
| --- | --- |
| **ROLE** | **NATURE OF ENGAGEMENNT IN WB CLASSIS PORTAL TECHNICAL ARCHITECTURE** |
| Product Owner/SME | Key stake holder to ensure that the architecture is aligned with business goals. |
| Business Analyst | Business Analyst are one of the Stakeholders who are informed with the key architectural decisions. |
| Enterprise Architects | To enforce Pharmacy Management platform architecture is aligned to business goals and architecture, architectural guidelines. |
| Solution Architects | To ensure solution design and architecture is aligned to business requirements, architectural guidelines. |
| Developers | Use technical architectural Document as the guiding document for detail design and implementation approach to align with Pharmacy Management. |

**3.0 PROJECT BACKGROUND AND OBJECTIVE(S)**

**3.1 PROBLEM WITH MANUAL PHARMACY MANAGEMENT**

* Managing a very large pharmacy with records on papers
* Accessibility of records is time consuming
* Less secured**.**

**3.2 SOLUTION TO THE ABOVE ISSUE**

* In the proposed pharmacy Management System user need not go to the shop for buying the products. User can order the products the wish to buy at anytime and from anywhere. This shop owner will be admin of the system.
* The motive of pharmacy Management Web Application is to allow the user to order the drugs.
* Provides Interactive interface through which a user can interact with different areas of an application easily.

**4.0 DESIGN PATTERN**

|  |  |  |
| --- | --- | --- |
| **S.NO** | **NAME** | **DESCRIPTION** |
| 1 | API | Using http request, we will use the respective actions to trigger various operations |
| 2 | DATA BASE | To store and retrieve the information |

**5.0 SOLUTION DIAGRAM**

PAGE

DATABASE

ADMIN/USER DETAILS

API GATEWAY

WEB PAGE

ADMIN/USER

DB

**6.0 SOLUTION STEPS**

**USER REGISTRATION**

* User (Doctor) will enter the required details such as first name, Last name, email, phone number, gender, age and click submit button.

Browser directs the request to customer registration API.

**DRUG DETAILS**

* Details of drugs will be drug id, drug name, drug shape, drug manufacturing date, expiry date.

**ADMIN DETAILS**

* Admin will have username and password to login.
* Admin manages all the functions in the whole management.

**TECHNOLOGIES USED:**

* Frontend : Angular
* Backend : asp.net core, SQL server database
* Middleware : Web API, Repository pattern

Diagram

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