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## Overview

Ongoing inflation in country affected lot of aspects in our lives, Medication is one of this aspect. In our current situation medicine stocks and varieties are very limited. Most of the medicines are limited to Colombo area and local pharmacies doesn't have much medicine varieties so local people has to travel all the way to Colombo for buy some varieties.

Me and my team members decided to make an Online Pharmacy web application to tackle these problems and help every person to get their medicines without any hesitation.

In this project people can search and investigate the availability of their medicines and deliver them to their doorstep. In our web application we create user-friendly environment and update the stock availability in real-time.

## Project Objectives

- Create a user-friendly online pharmacy platform for the users
- Provide a secure environment for medication sales
- Educate the users about pharmaceuticals and their use
- Ensure about the efficient management of user accounts, order processing and stock availability
- Develop a database for medication, drug interactions and patient profiles

## Target Users

Local People
Private hospitals
Government hospitals
Doctors

# Application Features and Description

1. User Registration and Authentication
   - Secure user account creation
   - User authentication for access to the system

2. Medication Catalog and Search Functionality
   - A comprehensive catalog of over the counter and prescription meds
   - An easy-to-use search feature to find specific medications

3. Shopping cart and Order Management
   - A shopping cart for users to add medications
   - Order management with the ability to review and confirm orders

4. Secure Payment Processing

5. User profiles and Prescription management

6. Information Pages
   - Information about medications, possible side effects and precautions
   - Information about drug interaction and health tips.

7. Admin Panel
   - Inventory management for Administrators
   - User management and access control
   - Monitoring and tracking of orders

## Time Frame

- Gantt Chart

| Weeks<br>Work | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Project requirement analysis | █ | █ | | | | | | | | | | |
| System design and database development | | | █ | █ | | | | | | | | |
| Front-end development | | | | | █ | █ | █ | | | | | |
| Back-end development | | | | | | | | █ | █ | | | |
| Security implementation | | | | | | | | | | █ | | |
| Testing and debugging | | | | | | | | | | | █ | |
| Project finalization | | | | | | | | | | | | █ |