

EEL PROJECT 1

MEDICARE

Integrating Medicine Availability and Discounts

PROBLEM ANALYSIS :

This software application is intended to provide pharmacists with real-time information on the availability of medicines in their store, as well as details on discount eligibility for pediatric and geriatric patients.

RESEARCH :

The programming of this application was informed by coding resources and references from authoritative sources, including

- Stackoverflow(<https://stackoverflow.com/questions/77119541/how-to-easily-check-whether-an-input-is-in-a-list-set-in-c>)
- Javatpoint(<https://www.javatpoint.com/c-if-else>)

IMPLEMENTATION:

- The system uses arrays to store customer and medicine information.

“If else” statements are used for the conditions of discount. The conditions are as follows:

- “ If the patient has age below 5 then they are offered 10% discount on total medicine bill and if patient have age above 60 then they are offered 18% discount on total medicine bill”
- “ If the patient has age in between 5 to 60 then they have to pay total bill without any discount”

USE :

- The system can be used by pharmacies to manage their medicine inventory and apply discounts to eligible customers
- Mobile App Integration: The system can be integrated with mobile apps to allow customers to check medicine availability and apply discounts on-the-go.
- The system can be used to send personalized marketing messages to customers based on their medicine purchases and discounts.