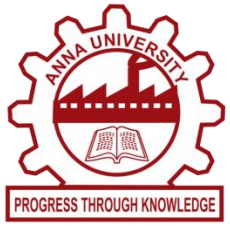

K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY (AUTONOMOUS), TRICHY.

PHARMACY MANAGEMENT SYSTEM

PRESENTED
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230381171042204 5

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PRESENTATION OVERVIEW

1. Objective
2. Project Introduction
3. Problem Statement
4. Methodologies (Programming concepts relevant to problem statement)
5. Architecture of the proposed system
6. List of Modules
7. Merits
8. Results and Discussion
9. Queries

OBJECTIVE

The objective of developing a **Pharmacy Management System** is to design and implement an efficient, secure, and user-friendly software solution that automates and optimizes various processes involved in managing a pharmacy. The system will focus on streamlining prescription workflows, ensuring accuracy, and enhancing overall operational efficiency. Below are the detailed objectives:

PROJECT INTRODUCTION

A **Pharmacy Management System (PMS)** is a specialized software solution designed to manage and streamline the operations of a pharmacy. With the increasing complexity of healthcare services and the growing demand for accurate and efficient prescription management, a PMS serves as an essential tool for pharmacists to enhance their services. This system automates key processes such as prescription handling, inventory management, billing, and record-keeping, ensuring that pharmacies can operate .

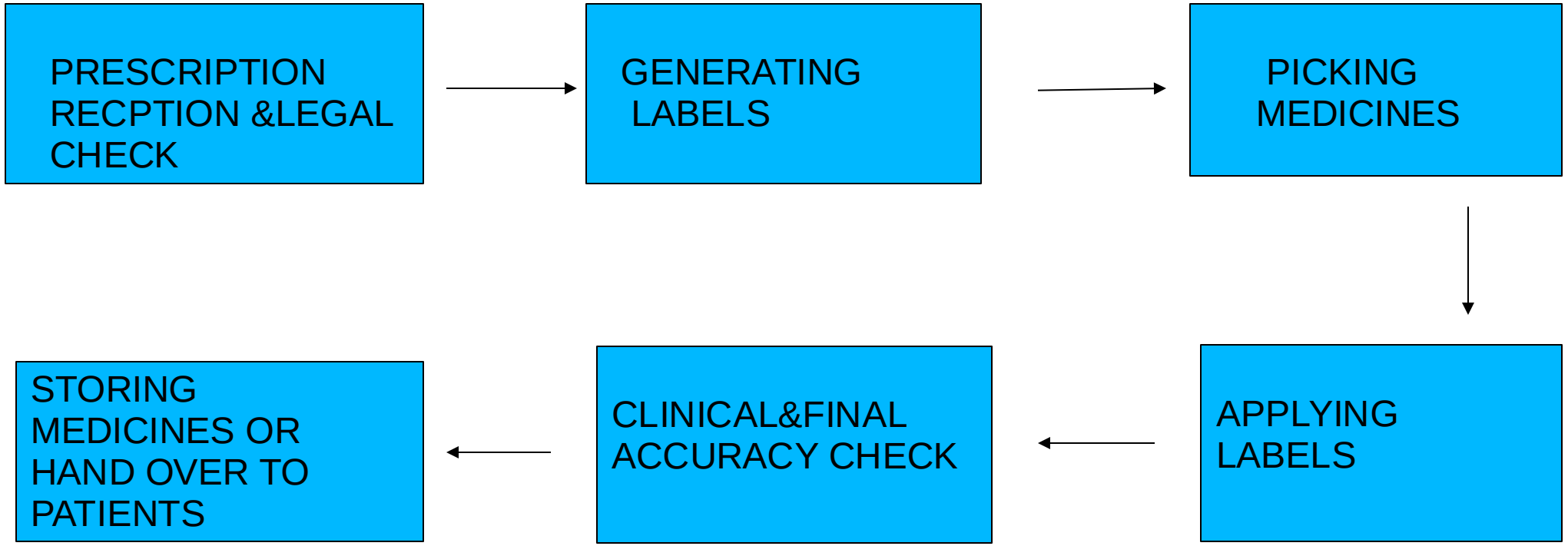
PROBLEM STATEMENT

The **Pharmacy Management System** aims to address the inefficiencies and errors in manual management of medicines and related operations in a pharmacy. This system provides an easy-to-use graphical interface to manage medicine records, including adding, updating, deleting, and viewing details in a tabular format

METHODOLOGIES

1. Object-Oriented Programming (OOP)
2. GUI Development with Java Swing
3. Event-Driven Programming
4. Data Validation
5. Tabular Data Management

ARCHITECTURE OF THE PROPOSED SYSTEM



LIST OF MODULES

- **Prescription Module**:Information or learning material about prescriptions.Building or integrating a prescription management system.module for managing prescriptions in a healthcare system.
- **Prescription Management Module:**A Prescription Management Module is a part of healthcare software designed to streamline the creation, tracking, and management of medical prescriptions.
- **User Interaction Module (Main Menu):A** User Interaction Module is a system component designed to facilitate seamless communication and interaction between users and a software application.
- **Data Storage Module:**A Data Storage Module is a core component in any software system, responsible for securely storing, retrieving, and managing data

MERITS

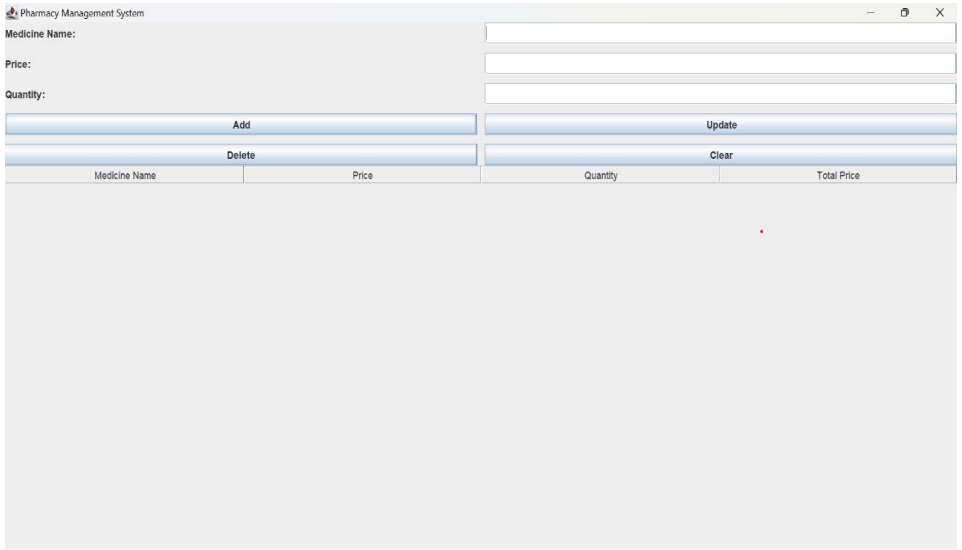
1.Real-Time Record Management

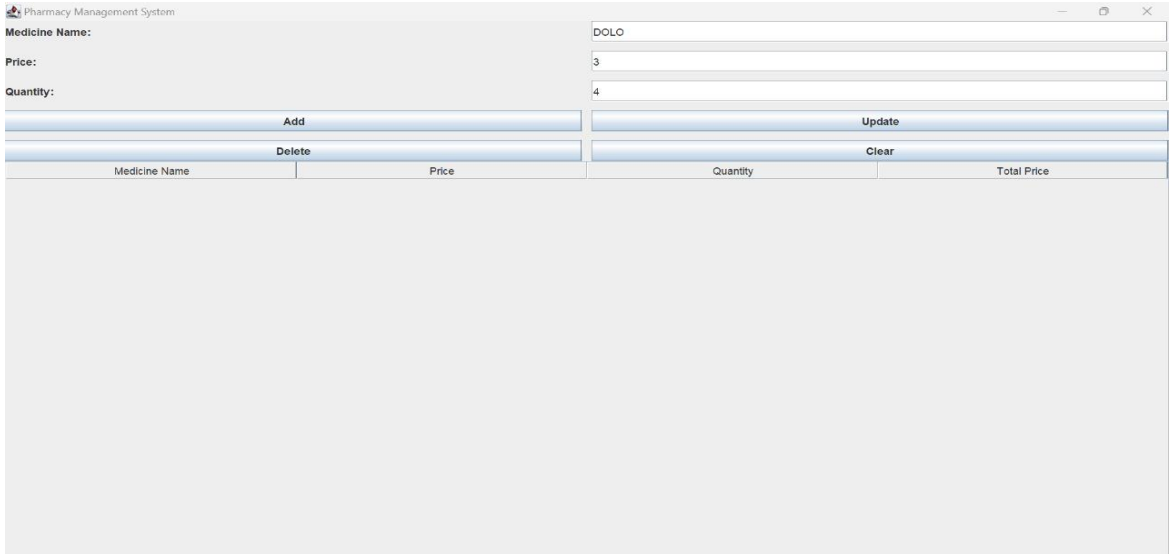
2.Improved Accuracy

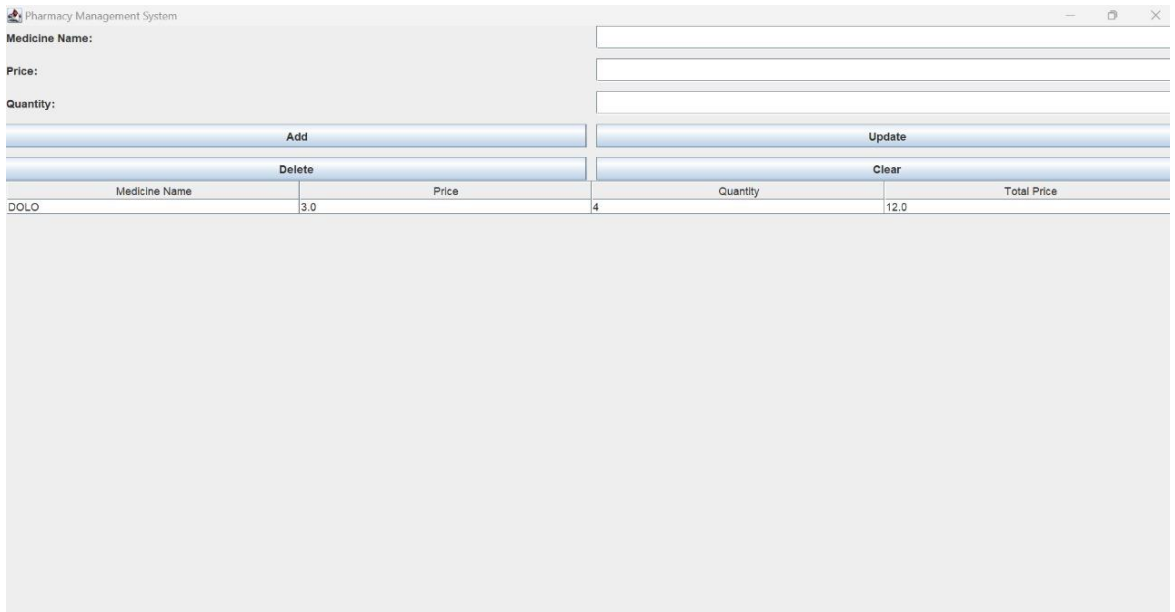
3.User-Friendly Interface

4. Automation of Manual Processes

RESULTS AND DISCUSSION






Pharmacy Management System
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Price:
Quantity:
Add
Update
Delete
Clear
Medicine Name
Price
Quantity
Total Price
DOLO
3.0
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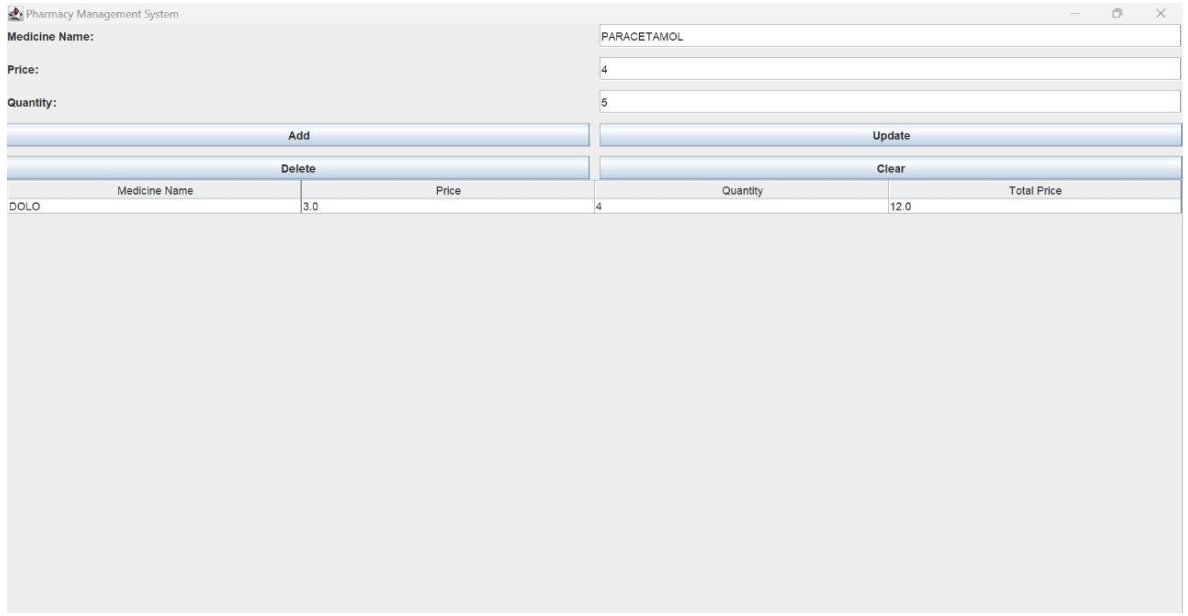
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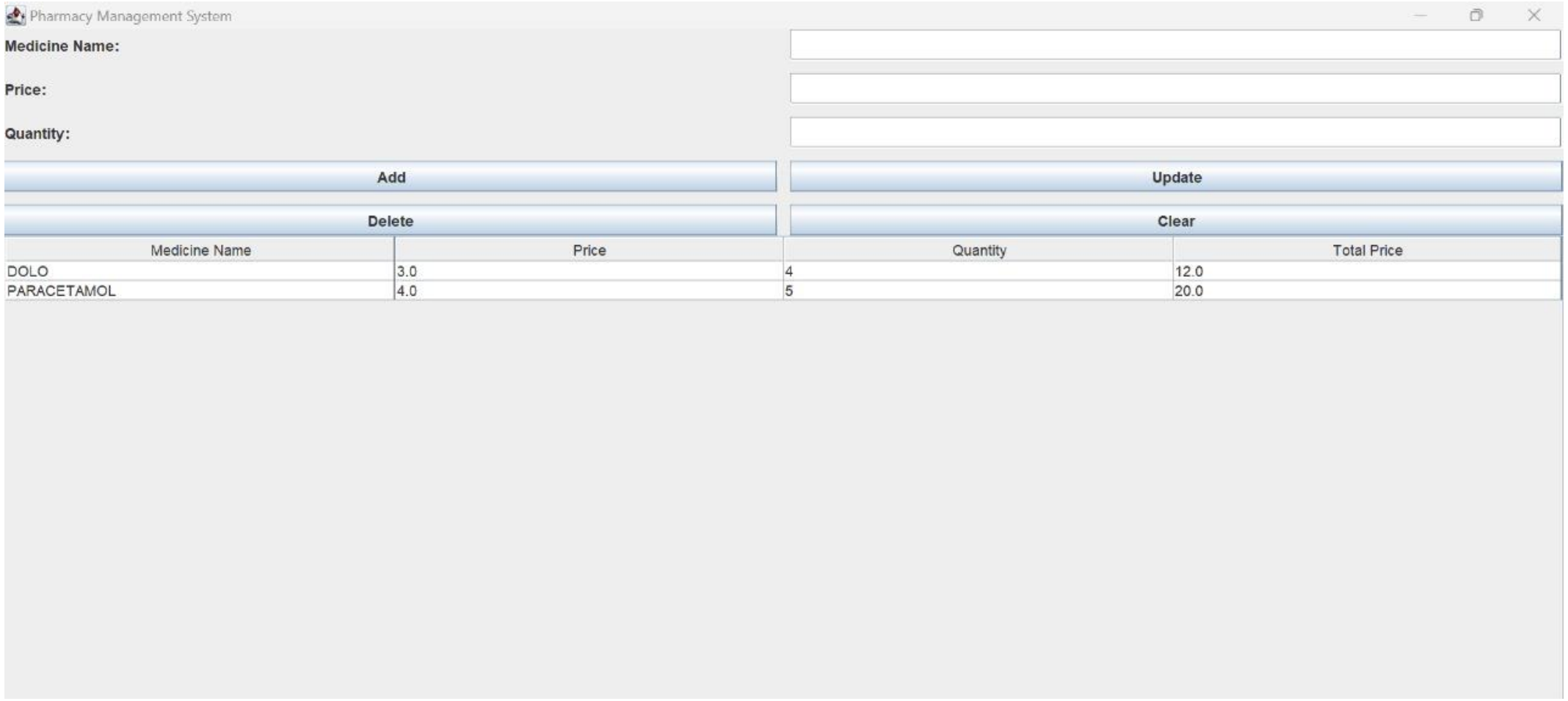
Pharmacy Management System
Medicine Name:
Price:
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Add
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PARACETAMOL
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QUERIES ?