

Kukbit SL Pvt. Ltd.
Internship Program

Project 1
Contact Management System

By
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Position - Java Intern

Id – K2312324

Duration - 11th December 2023 to 10th January 2024

Task 1 - Contact Management

Problem Statement - Create a program to manage a list of contacts. Users should be able to add, update, delete, and view contact information.

Introduction

Contact Management System is primarily meant for keeping the records of the persons. Records consist of their name, email id, phone numbers etc. In the project most of the functions are handled.

This Application will provide the basic set of features of adding a new contact, searching, updating, deleting a contact.

Contact Management is an application-based project. It is designed for people to store the information about their contacts. Rather than going through the pages of their diaries and copies to search a person information, a person can simply use this software to view any of his stored contacts. A user can also add or update or delete the contact information according to his need. Big Organizations need to have this software in order to keep the records of thousands of his employees at one place without any paper work. Also registers maintained for this purpose can be left around, or can be destroyed in any accident, but in software no such problem will occur.

Project Objective

For easy and convenient processing, we need to develop software which works as per our requirements. While preparing this software we got to remember few things i.e., this software must have a friendly environment, in other words it should not be much complicated to handle, it should have options for future modifications in the society. For smooth functioning, we had to prepare a database by which we could enter the required data in their respective locations. In this data base all the records of daily transactions made are stored i.e., Contact Details, so that we can use them in future whenever needed. From security point of view this software has a special login name and password allotted to their Administrator. Other than that, no one could use this and on entering an illegal password or login name an error message get displayed.

The major specifications of project are:

- ⌘ To allow user to access any Contact function and processed available in the system.
- ⌘ Locate any Contact wanted by the user.
- ⌘ Reduced written work and problem of storing the diaries as most of the work done by computer.
- ⌘ Provide greater speed & reduced time consumption

Purpose

The overall purpose of this project is to develop a GUI Based Java Application which will provide an interface and the MYSQL Server Connectivity. One aspect of this work will be to develop a language independent object-oriented model to the accelerator devices.

Contact Book will have the following key goals:

- ⌘ Provide an easy interface for user.
- ⌘ Easy to store records
- ⌘ No need to remember while storing that on what page we are storing as software will automatically search the name you enter
- ⌘ Updating can be done.
- ⌘ Deletion can also be done when you do not need a contact.

Scope

The main scope and deliverables of the project would be to:

- ⌘ Understand and prepare detailed user requirement and specifications
- ⌘ Prepare high level and detailed design specifications of the system
- ⌘ Prepare Test Plan & Test cases
- ⌘ Develop the system and coding
- ⌘ Demonstrate a bug free application after suitable modification, if needed

Software and Hardware Requirements

Software Requirements

For development, software's used are:

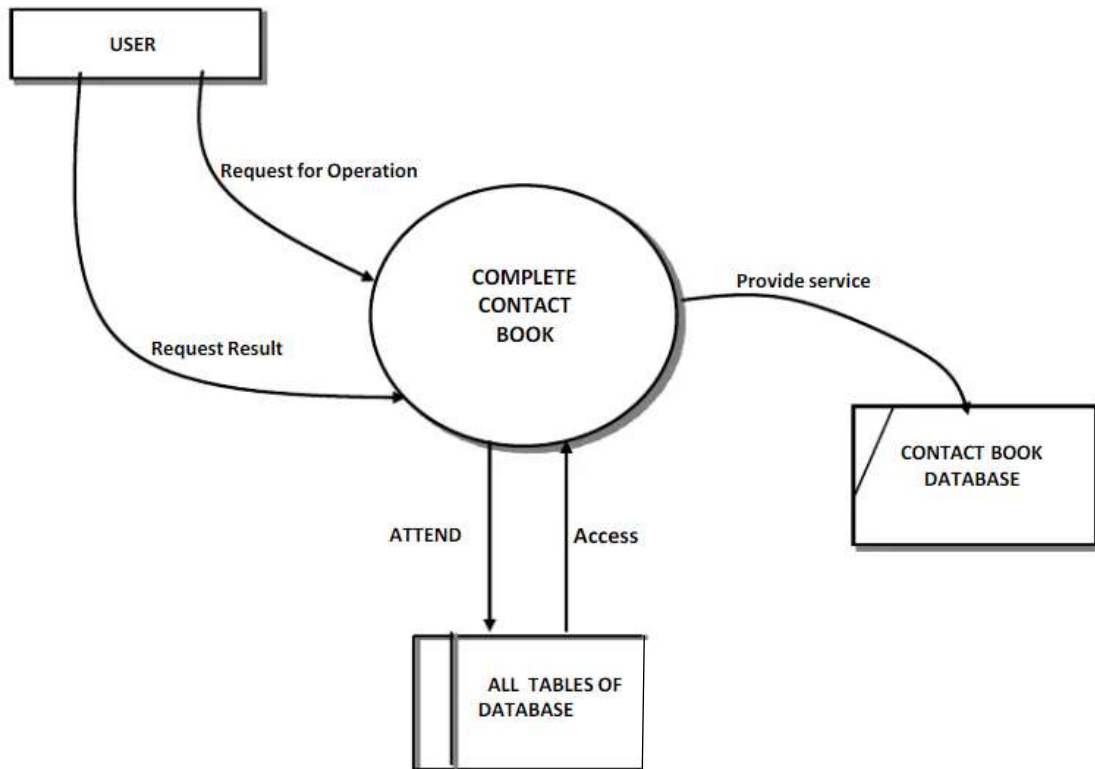
- Operating System: Windows 10 or any other,
- Technology: Java,
- Development Platform: Eclipse IDE, PhpMyAdmin
- Database: MySQL,
- Server: Xampp

Hardware Requirements

For Development, Hardware's used are:

1. Intel Core
2. 2. 40GB hard disk
3. 3. 4 GB RAM

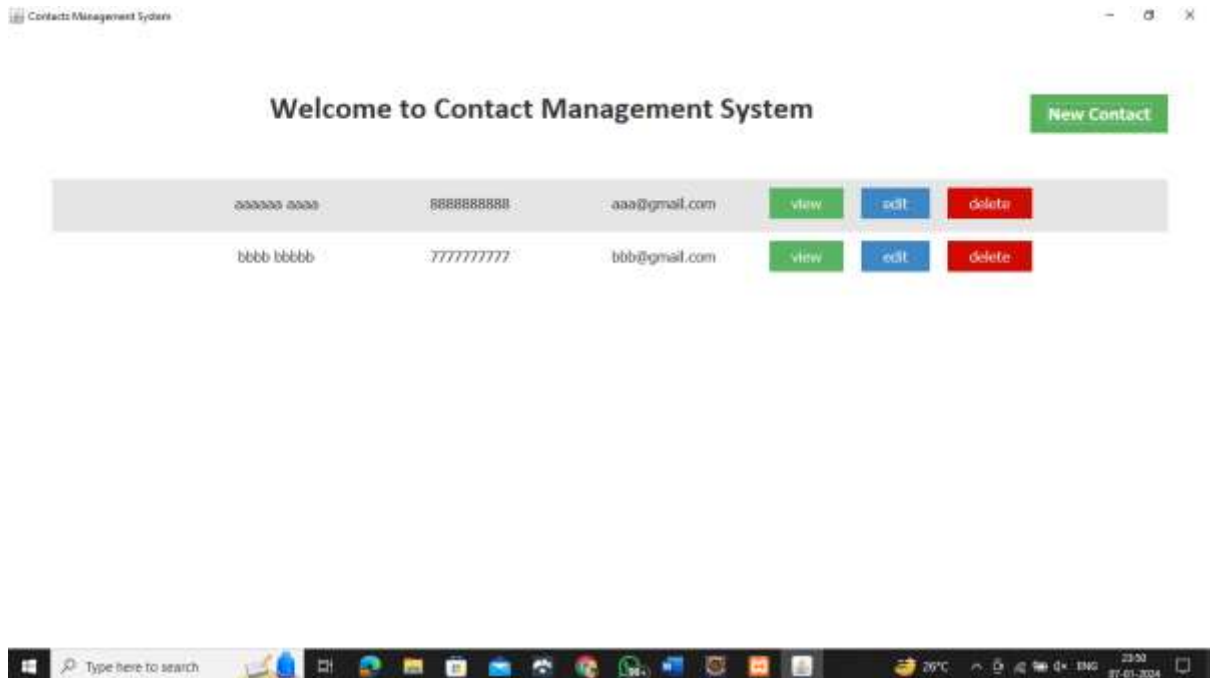
Data Flow Diagram



User Interface Design

The Contact Management gives a user an option to have its personal contact diary stored on a system. A system always works faster than a person can. User is given an interface to add a new record in case he wants to add a record, an option to delete a record, search a record with various options, update a record, view the contacts according to the groups.

UI –



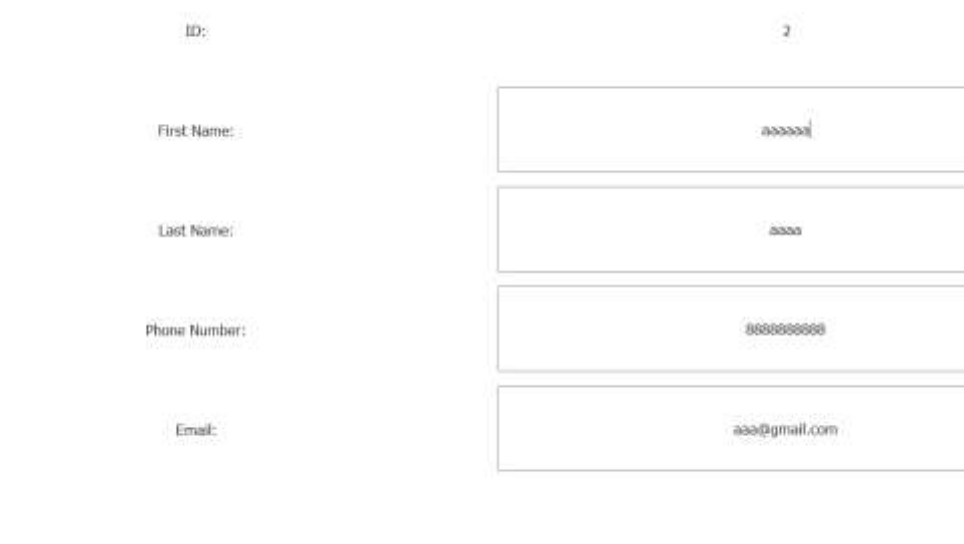
New Contact

The screenshot shows a web application window titled "Contacts Management System". It features a form for adding a new contact with the following elements:

- ID:** A text input field containing the value "4".
- First Name:** An empty text input field.
- Last Name:** An empty text input field.
- Phone Number:** An empty text input field.
- Email:** An empty text input field.
- Buttons:** A red "Cancel" button and a green "Save" button at the bottom.

The Windows taskbar at the bottom shows the search bar, task view button, and several open applications including File Explorer, Microsoft Edge, and various utility tools. The system clock indicates the date is 07-01-2024 and the time is 23:49.

View Contact



The screenshot displays a web application titled "Contacts Management System". It features a form with the following fields and values:

- ID:** 2
- First Name:** aaaaaa
- Last Name:** aaa
- Phone Number:** 8888888888
- Email:** aaa@gmail.com

The browser's address bar shows the URL "http://localhost:3000/". The Windows taskbar at the bottom includes the search bar "Type here to search" and various system icons, including the date and time "22:45 27.01.2024".