

Kukbit SL Pvt. Ltd.
Internship Program

Project 1

ConnectEase - My Contact Book

By

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Position - Java Intern

Id - K2312208

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

ConnectEase 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.

Complete Contact Book 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:

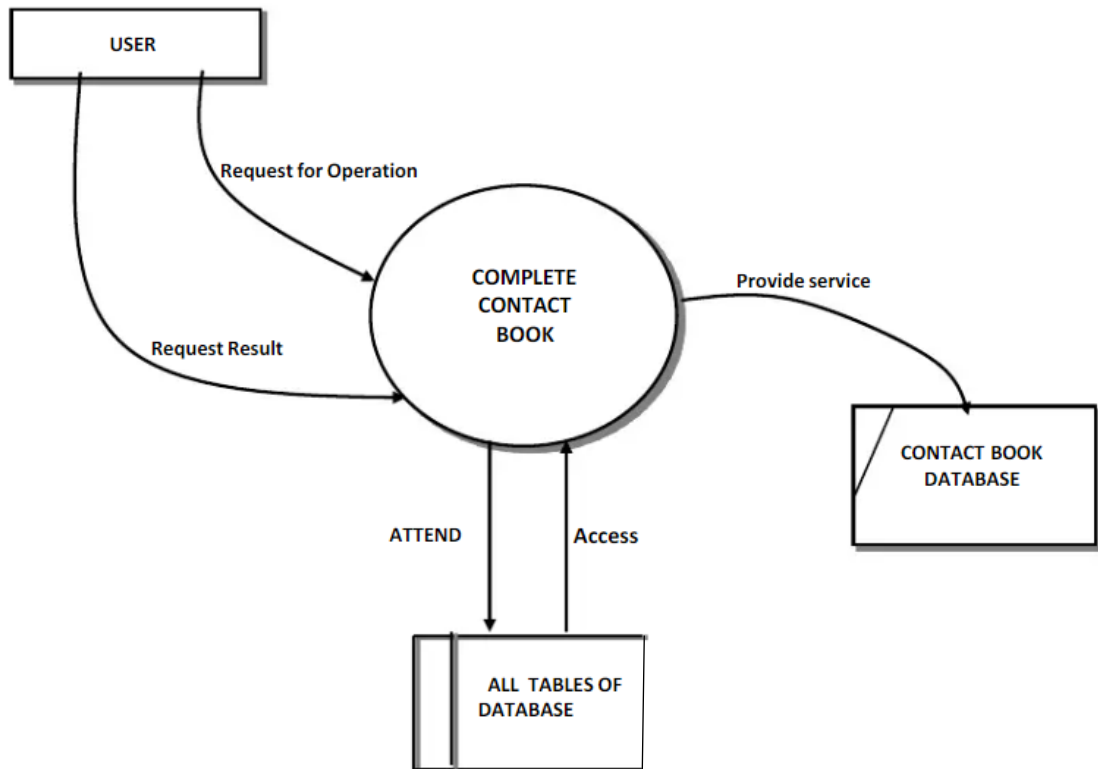
- Operating System: Windows 10 or any other,
- Technology: Java,
- Development Platform: Eclipse IDE, PhpMyAdmin
- Database: MySQL,
- Server: Xampp

Hardware Requirements

For Development, Hardware's used are:

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

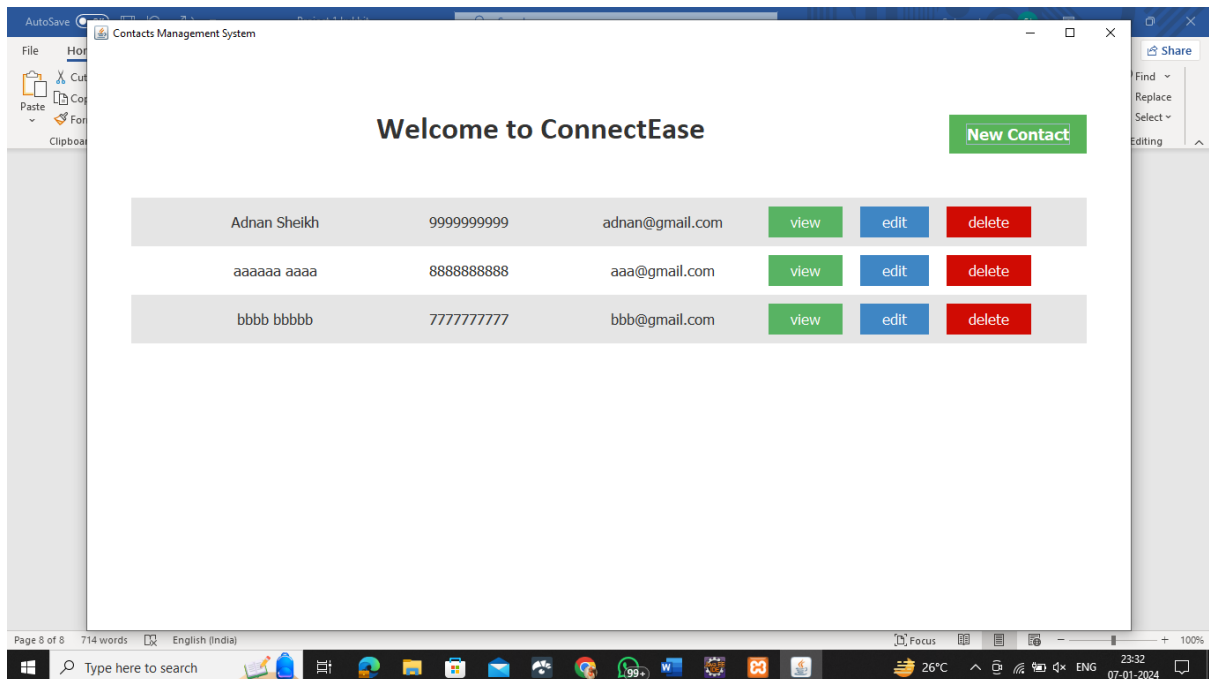
Data Flow Diagram



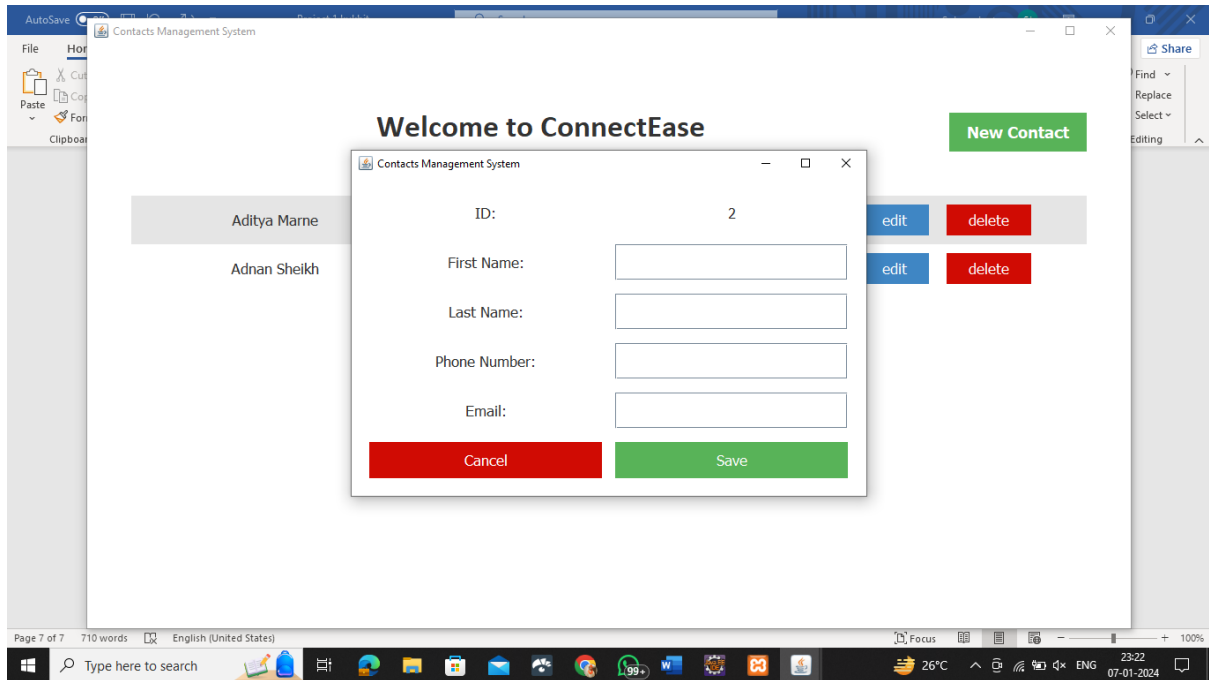
User Interface Design

The Contact Book 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.

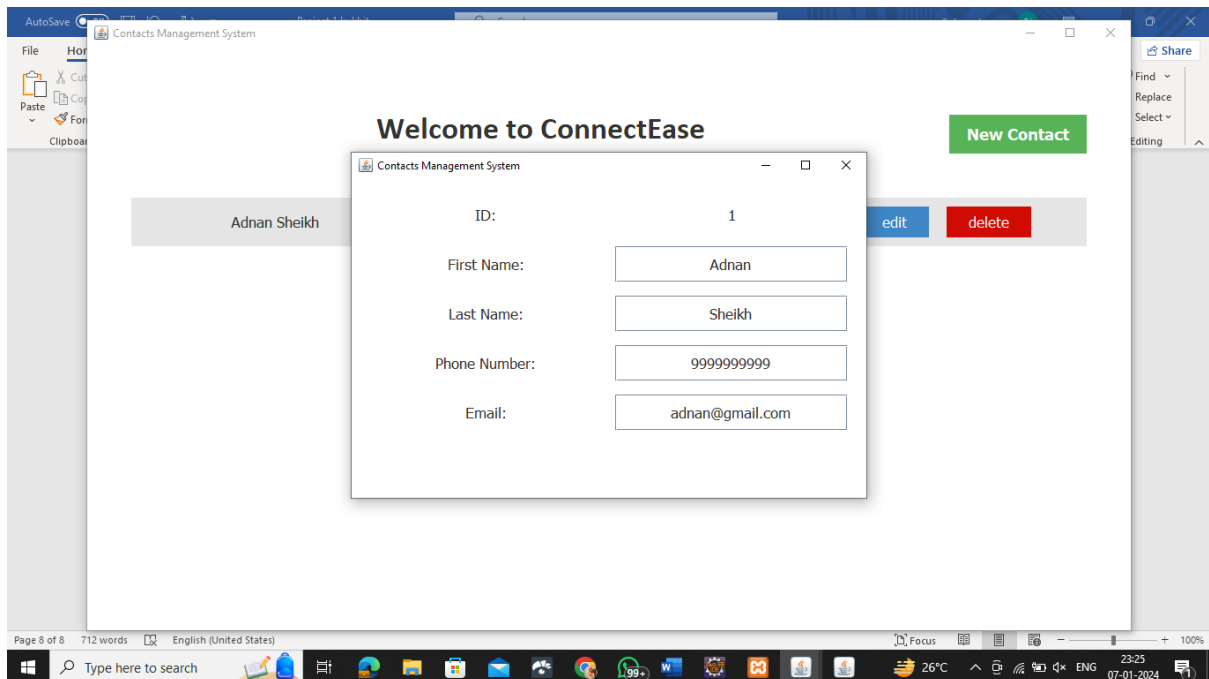
UI –



New Contact



View Contact



Database-

The screenshot shows the phpMyAdmin interface with the 'contacts' table structure displayed. The table has five columns: ID, First Name, Last Name, Phone Number, and Email. The 'ID' column is the primary key.

| # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra | Action |
|---|--------------|---------|--------------------|------------|------|---------|----------|-------|------------------|
| 1 | ID | int(11) | | | No | None | | | Change Drop More |
| 2 | First Name | text | utf8mb4_general_ci | | No | None | | | Change Drop More |
| 3 | Last Name | text | utf8mb4_general_ci | | No | None | | | Change Drop More |
| 4 | Phone Number | text | utf8mb4_general_ci | | No | None | | | Change Drop More |
| 5 | Email | text | utf8mb4_general_ci | | No | None | | | Change Drop More |

Below the table structure, there are options to create an index on the selected column(s). The 'Indexes' section shows 'No index defined!'. The 'Partitions' section is also visible.

The screenshot shows the phpMyAdmin interface with the query results for the 'contacts' table. The query is 'SELECT * FROM `contacts`'. The results show three rows of data.

| ID | First Name | Last Name | Phone Number | Email |
|----|------------|-----------|--------------|---------------|
| 2 | aaaaaa | aaaa | 8888888888 | aaa@gmail.com |
| 3 | bbbb | bbbb | 7777777777 | bbb@gmail.com |

Below the query results, there are options to bookmark the query, print, copy to clipboard, export, display chart, and create view. The 'Bookmark this SQL query' section is visible.