

Design

- The project consists of an application that interacts with a SQL database to store, retrieve and modify a user's contacts.
- This project has been implemented in Eclipse
- A Java GUI interface was chosen for implementing the contact manager application
- The Java application interacts with the SQL database to search, add or modify the information about contacts.
- The application interacts with the SQL database using the **Java Database Connection (JDBC)** API in Java.
- The SQL database schema was implemented in MySQL Workbench.
- The schema for the application database was made as per the requirements given. The SQL database 'contact_list' consists of four relation tables: contact, address, phone, and date.
- The contents of the contacts.csv file given were imported into the MySQL database under different tables (relations).
- There are four functions implemented in this application:
 - A **Search** button for searching the contacts.
 - A **Add Contact** button for adding a new contact.
 - A **Modify Contact** button for modifying a contact.
 - A **View Contact** button for viewing a contact's information.
 - A **Delete Contact** button to delete the user information.
- The application can be accessed by running the **ContactManagerApp.java** class.