SQL Programming Project
CS-6360 Database Design
Name: Ajit Gaikwad(avg180001)

Design Document

Description:
Welcome to the AddressBook Application where you can store record of your addresses.
The application is implemented in Java. The GUI used is Java Swing connected to a My SQL
Database.

As you the run the program, a screen will pop-up having options of Displaying Contact, Search
and Add Contact and View Contact

Display Contact: Displays all the contacts stored in the database in a table format. You can
select any of the contact to view its further details.

Search Contact: You can search for anything in this bar and it will show up the all the records
which contains the search term just like the Google Search.

Add Contact: Clicking on this button, a form will pop-up asking all the details like Name,
Address, Phone, Address. It initially lets you add single address, phone and date. To add
multiple addresses, you need to search and modify the contact.

View Contact: This feature is enabled only when you select a record from the table. Once
enabled you can view details of the record in a window which gives you the option of Modify and
Deleting the record

Modify Contact: It pops-up the form with all the details and lets you edit Name or add Multiple
Addresses and Contacts.

Delete Contact: This feature also appears in view contact part of the application. This will
delete the record from the database.

Schema:
 As given in the problem statement **ADDRESSBOOK Database** contains following Tables

CONTACT:
Contact_id(primary_key), Fname, Mname, Lname

ADDRESS:
Address_id(primary_key), Contact_id(Foreign Key references Contact_id in CONTACT),
Address_type, Address, City, State, Zip

PHONE:

Phone_id(primary_key), Contact_id(Foreign Key references Contact_id in CONTACT), Phone_type, Area Code, Number

DATES:

Date_id(primary_key), Contact_id(Foreign Key references Contact_id in CONTACT), Date_type, Date