OOP Lab Task 09

Scenario: You are developing a contact management software that allows users to keep track of their contacts. Each contact in the software consists of a person's name, phone number, email address, and date of birth. You want to implement this system using object-oriented programming principles, with a composition relationship.

Here, the class Contact is composed of n numbers of contacts(array of contacts). And the total count of contacts(size of array), each contact is composed of the object of date of birth class plus some other data members like name, phone\_no, and email.

Also design a method in the ContactBook class to print the names of all contacts in the book who have a birthday in a specific month.

Create a class diagram in Draw.io for the whole scenario. You must submit the cpp file and also the png file of the class diagram.

**Note:** Your program must fulfill the criteria of composition.

