

Personal Address and Phone Book

Project Description

The goal of the project is to develop the software for a computer-based personal address and phone book. Only one user will use the software at any time. There are two parts in the system – a phone diary and an appointment calendar. The latter is used to store and retrieve personal appointments.

Using the phone diary, a user must be able to add, delete and modify names, addresses and phone numbers. In addition, the user must be able to search and retrieve names and information associated with names (the address and phone numbers) from the phone diary. There must also be a provision to indicate whether the number associated with a name is a phone number or a fax number.

The appointment calendar is used to store and retrieve personal appointments throughout the year. When storing or retrieving appointments, a user must use the date/time as the key. Each appointment must also have a tag that can contain a name of the person in the appointment. There must also be a mechanism to link the name to the phone diary. By this way, the user can retrieve the address and phone number of the person when needed.

Assumptions:

- Phone numbers will be entered and retrieved as numbers. If a user wants to enter a phone number such as “1-800-COLLECT”, the user must explicitly convert the letters into numbers before storing.
- Each name in the phone diary must associate one or more numbers.
- The appointments are assumed to fall into on hour boundaries only.
- Appointment entries can only be searched from current date onwards.
- The appointment calendar will record entries for one year ahead.