

Introduction to Programming Languages CECS130

Lab #6.

Programming assignment (100 pts): Write a program that uses an array of structures to hold contact information for your friends. The program should allow the user to enter as many friends as the user wants. Create functions to add or delete entries in the phone book and to print valid phone book entries. Do not display phone book entries that are invalid or NULL (0). You can assume that all people have unique names. Make sure you allocate and free memory as necessary.

Output example:

Phone Book Application

- 1) Add friend
- 2) Delete friend
- 3) Show phone book

What do you want to do: 1

First name: Bob

Last name: Smith

Phone number: 123-4567

Record added to the phone book

Phone Book Application

- 1) Add friend
- 2) Delete friend
- 3) Show phone book

What do you want to do: 1

First name: John

Last name: Doe

Phone number: 893-4567

Record added to the phone book

Phone Book Application

- 1) Add friend
- 2) Delete friend
- 3) Show phone book

What do you want to do: 3

Phone Book Entries:

Bob Smith 123-4567

John Doe 893-4567

Phone Book Application

- 1) Add friend
- 2) Delete friend
- 3) Show phone book

What do you want to do: 2

First name: John

Last name: Doe

Record deleted from the phone book

Phone Book Application

- 1) Add friend
- 2) Delete friend
- 3) Show phone book

What do you want to do: 3

Phone Book Entries:

Bob Smith 123-4567