



EASTERN UNIVERSITY, SRI LANKA
THIRD EXAMINATION IN SCIENCE - 2003/2004
SECOND SEMESTER (June -July 2005)
OC351 Rapid Application Development (Practical)

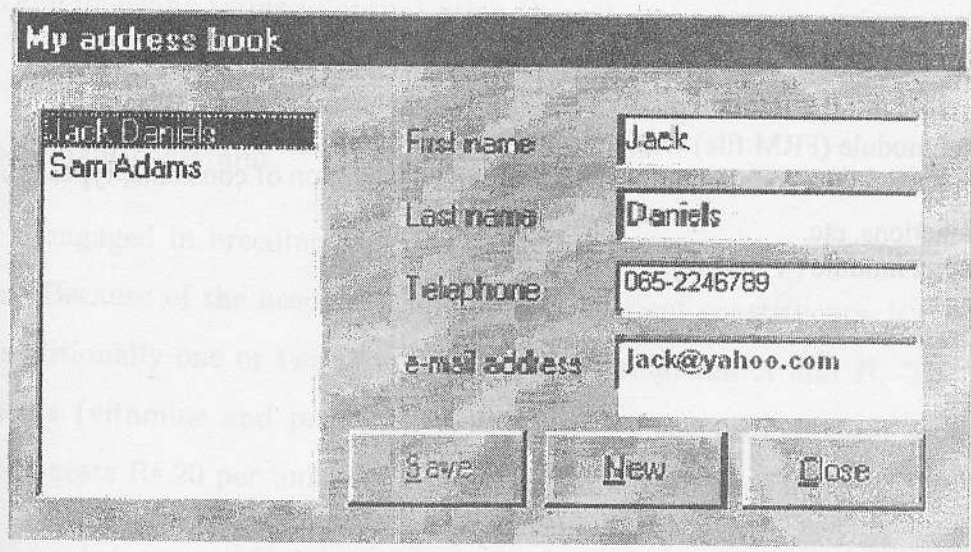
Time Allowed: 2 Hours

What to do?

Implement a very simple address book. Information about each entry includes: first name, last name, telephone, and e-mail address. Include database connectivity: all address book data will be stored in a simple MS Access database.

Interface

Design a form that contains a list box, three command buttons, four text boxes, and four corresponding labels. The interface should be similar to this:



List box

The list box displays all entries in your address book in the form of "<first name> <last name>". You should be able to select only one entry at a time.

Details of the selected entry must be displayed in the corresponding text boxes.

Do not initialize the list at the design time!!! Instead, do it in the Form_Load() procedure. Make sure that when your application starts, it displays at least two entries, that the first one is selected by default, and that the text boxes are filled with the appropriate information.

Text boxes

Obviously, each text box is responsible for one of the fields of the current entry.

"Save" button

It saves all the changes that you make in the text boxes. If you type something in the text box, but do not press "Save" before you move to another entry or create a new one, these changes should not be stored.

It updates the database and list with the new information(s).

It must be disabled until you type something to change the value of any of the text boxes.

It also must be disabled if at least one of the text boxes is empty.

All the changes that you save in this application are permanent.

"New" button

It creates a new entry and adds it into the list and into the database.

All fields of the new entry are initialized with empty string.

"Close" button

It closes the application.

What to submit?

You must submit the following:

1. A form module (FRM file) with the address book form.
2. If you have one, a code module (BAS file) with declaration of constants, types, public procedures and functions, etc.
3. A project module (VBP file).