

Final Project Description

You should seek approval for your final project before investing a lot of effort. Here are the general criteria:

- your project must use either a text file or a database to provide long term storage of information
- your project must use menus or multiple forms
- your project will need to use a collection or array
- your project must have a well-designed user interface
- your project must be reasonably robust - validates user input
- your project must solve a well-defined problem

Ideally, your project will relate to some program that you would already like to write, or emulate some software that you already use. However, if you cannot think up a project, then I'd suggest looking at Programming Challenges at the end of chapters 8, 9, and 10 for ideas.

For your project, you will need to submit:

A. the zip file containing all the code and data files needed by your program

B. a written document with the following sections:

- problem specification - describe the problem your program is trying to solve
I want you to submit a preliminary draft (steps 1-4 below) by **Monday, November 16** which you can incorporate into your final written document. Recall from Section 1.4 of the text the general steps for developing a Visual Basic application include:

Understanding the problem

1. Clearly define what the application is to do: purpose, inputs, processing, outputs

Design screens

2. Visualize application running and design its user interface – sketch it on paper

3. Make a list of the controls needed, decide on their names, and write a description

4. Define the values of each control's relevant properties

- design of your program - overview of how you solved the problem with your program
- user's guide for your program

The very last possible time for submitting your project is **Friday, December 18** of Final's week (sooner would be much better).