

**WDSC 555 – Computer Applications in Forest Resource Management  
Spring, 2012**

**Course Project  
Log Inventory Management System**

Assignment 3 – Visual Basic Application  
Due 04/09

According to the specification document, a stand-alone program should be developed in the phase of module 2. The backend of the program is the database you generated in module 1 and the frontend – interface, should be implemented using MS Visual Basic V6.0. Some business functions might need to be implemented to manipulate and process the data in the database to write the required reports.

1. Create a Multiple Document Interface (MDI) form and use it as a main container of other windows controls.
2. Add useful menu items to MDI form, which should include the items to:
  - a. Manipulate load and log data
  - b. Edit supplier and species information
  - c. Generate the required reports
  - d. Help the users
3. Add other forms you need in the project and set them as the children of MDI form. These forms might be:
  - a. Form Load – for editing load information
  - b. Form Log – for editing log information
  - c. Form Species – for editing species
  - d. Form Supplier – for editing suppliers
4. Reference a MS Data Access Object (DAO) to your application and use the DAO to fulfill your database connectivity.
5. Try your best to program the project in a modular manner. For example, if possible,
  - a. Do not use global variables
  - b. Code efficiently
  - c. Use procedures and functions in coding

6. Use MS Access object via VB interface to write the required reports:
  - a. Inventory report by species
  - b. Inventory report by supplier
  - c. Inventory report by species and supplier

In addition to showing me your application on the computer, you need to provide a combined document of User's and Programmer's manuals by April 4, 2003.