

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

**Course Project
Log Inventory Management System**

Assignment 2 – Database Management Application
Due 02/20

After a thorough and exhaustive evaluation of your requirement and specification document, the GW Forest Products Inc. has decided to award the project contract to you. Based on your schedule, a database management system needs to be implemented in module 1.

Since MS Access is chosen to fulfill the job, use this tool and the database design knowledge you have to design the database. What you need to do are to:

1. Develop ER model of your database,
2. Create the following tables

a. Table Load

LoadID	Integer, primary key
Supplier	Text (30)
Supplied Date	Date/Time
Source	Text (20)

b. Table Log

LogID	Integer, primary key
LoadID	Integer, not null, refers to LoadID in Table Load
Species	Text (10)
Diameter	Single
Length	Single
Scale	Single
UnitPrice	Single
Value	Single
SawedDate	Date/Time

c. Table Species

SppName	Text (10)
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d. Table Supplier

SupID	Integer, primary key
SupName	Text (20)
Address	Text (30)
Phone	Text (10)

3. Design four forms to manipulate the data in the above four tables including Edit, Add, Delete.
4. Build relationship between tables Load and Log
5. Design some useful queries to write reports.
6. Write 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 summary report about your database February 23, 2007.