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| **INSTRUCTIONAL NOTES  AND SOLUTIONS GUIDE**  **THE COMPUTERIZED ACCOUNTING INFORMATION SYSTEM: The Winery at Chateau Americana** | | |
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**GENERAL CLASSROOM USE**

The CAST Computerized Accounting Information System Module is designed to be used in conjunction with the CAST Manual Accounting Information System Module. We have provided the instructor with three alternative transaction sets in the Manual Accounting Information System Module to allow rotation of solutions from one semester to another. The Computerized Accounting Information System Module picks up with those three transaction sets in the Spreadsheet Application and the General Ledger Application so there is a continuity of the data. The Database Application has a single solution.

Each of the solutions, due to the nature of the applications, is contained in separate files. For example, the Spreadsheet Application (Excel) file is in a separate file. The General Ledger Application files (Peachtree) are contained in a zip file. Please note when you are opening the zip file that the General Ledger Application solutions are contained in three folders. The folder (not just the files) must be copied to your Peachtree Company folder intact so that Peachtree can find the company. Finally, the Database Application (Access) file is contained in its own file.

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| **SPREADSHEET APPLICATIONS USING MICROSOFT® EXCEL 2010: The Winery at Chateau Americana** | | |
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**LEARNING OBJECTIVES**

After completing and discussing this module, you should be able to:

* + Recognize the managerial and technological issues and risks associated with designing and utilizing a spreadsheet application as the primary accounting information system
  + Understand and evaluate data integrity issues associated with spreadsheet utilization
  + Understand and perform data analysis techniques using spreadsheet applications
  + Understand the advantages and disadvantages of various presentation formats
  + Understand the advantages and disadvantages of database functions in spreadsheet applications

**CLASSROOM USE**

Three sets of Unadjusted Trial Balances & Adjustments are provided here. The data was not provided to the students in the Student files on the Pearson website because it also provides the solution to the worksheet for the *CAST Manual Accounting Information System Module.* Accordingly, these sets of Unadjusted Trial Balances & Adjustments coordinate with the Transaction Sets from the *CAST Manual Accounting Information System Module*. You will need to provide your students with this data to insert into the Y-E Worksheet that they have downloaded from the Student files on the Pearson website.

**INSTRUCTIONAL NOTES**

*Payroll Journal:*

We have included a column in the Payroll Journal for the Subsidiary Posting Reference. If you have had your students complete the *CAST Manual Accounting Information System Module*, you may want them to use the posting reference from the subsidiary journals contained in that Module. Otherwise, you may want to instruct them to leave this blank for purposes of completing this worksheet.

**SOLUTION**

The entire Spreadsheet Application solution is contained in one separate Excel file.

**TRANSACTION SET AChateau Americana, Inc.  
Unadjusted Trial Balance Figures and Adjustments**

|  |  |  |  |  |
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| **CHATEAU AMERICANA** |  |  |  |  |
| **YEAR-END WORKSHEET** |  |  |  |  |
| **12/31/20XX** |  |  |  |  |
|  | **12-31-20XX** |  |  |  |
| **ACCOUNT** | **UNADJUSTED** |  | **ADJUSTMENTS** |  |
| **TITLE** | **TRIAL BALANCE** |  |  |  |
|  | **DEBIT** | **CREDIT** | **DEBIT** | **CREDIT** |
| **ASSETS** |  |  |  |  |
| General checking account | 2,171,441.24 |  |  |  |
| Payroll checking account | 1,000.00 |  |  |  |
| Money market account | 782,546.49 |  |  |  |
| Savings account | 51,745.56 |  |  |  |
| Petty cash | 500.00 |  |  |  |
| Accounts receivable | 5,366,569.32 |  |  |  |
| Allowance for bad debts |  | 95,401.58 |  | 10,983.73 |
| Inventory - production | 11,577,948.87 |  |  |  |
| Inventory - finished goods | 3,992,237.27 |  |  |  |
| Prepaid expenses | 142,465.96 |  |  |  |
| Land and buildings | 16,358,487.34 |  |  |  |
| Equipment | 13,871,631.10 |  |  |  |
| Accumulated depreciation |  | 15,341,679.47 |  |  |
| Investments | 3,095,227.56 |  |  |  |
|  |  |  |  |  |
| **LIABILITIES** |  |  |  |  |
| Accounts payable |  | 4,987,975.79 |  |  |
| Federal income tax withheld |  | 67,385.78 |  |  |
| FICA withheld |  | 12,681.48 |  |  |
| Medicare withheld |  | 2,965.82 |  |  |
| FICA payable - employer |  | 12,681.48 |  |  |
| Medicare payable - employer |  | 2,965.82 |  |  |
| Unemployment taxes payable |  | 943.57 |  |  |
| Other accrued expenses |  | 599,403.23 |  |  |
| Federal income taxes payable |  |  |  | 149,097.05 |
| Property taxes payable |  |  |  |  |
| Dividends payable |  | 50,000.00 |  |  |
| Mortgages payable |  | 7,639,067.73 |  |  |
| Notes payable |  | 813,000.00 |  |  |
|  |  |  |  |  |
| **STOCKHOLDERS' EQUITY** |  |  |  |  |
| Common stock |  | 90,000.00 |  |  |
| Paid-in capital in excess of par - common |  | 3,567,265.00 |  |  |
| Dividends - common | 50,000.00 |  |  |  |
| Retained earnings |  | 22,064,134.78 |  |  |
|  |  |  |  |  |
| **REVENUE** |  |  |  |  |
| Sales |  | 22,331,154.75 |  |  |
| Sales discounts | 348,017.49 |  |  |  |
| Sales returns and allowances | 15,684.50 |  |  |  |
| Gain/Loss - Fixed Assets |  | 0.00 |  |  |
| Dividend income |  | 4,000.00 |  |  |
| Interest income |  | 23,482.56 |  |  |
|  |  |  |  |  |
| **COST OF GOODS SOLD** |  |  |  |  |
| Cost of goods sold | 11,565,901.15 |  |  |  |
|  |  |  |  |  |
| **EXPENSES** |  |  |  |  |
| Wages and salaries expense | 1,972,322.74 |  |  |  |
| Sales commissions expense | 771,665.60 |  |  |  |
| FICA tax expense | 244,568.36 |  |  |  |
| Medicare tax expense | 57,197.43 |  |  |  |
| FUTA expense | 7,392.00 |  |  |  |
| SUTA expense | 22,176.00 |  |  |  |
| Utilities expense | 325,954.67 |  |  |  |
| Irrigation & waste disposal expense | 230,910.91 |  |  |  |
| Landscaping expense | 142,475.69 |  |  |  |
| Advertising expense | 295,944.33 |  |  |  |
| Marketing expense | 192,865.67 |  |  |  |
| Festivals & competitions expense | 238,654.75 |  |  |  |
| Telephone expense | 37,584.73 |  |  |  |
| Internet & computer expense | 14,475.00 |  |  |  |
| Postage & shipping expense | 35,117.66 |  |  |  |
| Legal & accounting fees | 88,425.50 |  |  |  |
| Other consulting fees | 12,500.00 |  |  |  |
| Office supplies expense | 58,689.68 |  |  |  |
| Data processing expense | 9,743.89 |  |  |  |
| Depreciation expense | 1,200,849.16 |  |  |  |
| Travel and entertainment expense | 169,405.86 |  |  |  |
| Other insurance expense | 115,058.55 |  |  |  |
| Medical insurance | 192,154.80 |  |  |  |
| Workmen's compensation insurance | 139,750.00 |  |  |  |
| Other employee benefits expense | 175,643.90 |  |  |  |
| Dues & subscriptions expense | 32,076.00 |  |  |  |
| Federal income tax expense | 857,595.76 |  | 149,097.05 |  |
| Property tax expense | 19,875.00 |  |  |  |
| Repairs and maintenance | 71,974.93 |  |  |  |
| Automobile expense | 81,493.45 |  |  |  |
| Lease expense | 113,607.56 |  |  |  |
| Bad debt expense |  |  | 10,983.73 |  |
| Miscellaneous expense | 26,665.63 |  |  |  |
| Interest expense | 359,969.78 |  |  |  |
| **Sub-totals** |  |  |  |  |
| **Net Income (Loss)** |  |  |  |  |
| **TOTALS** | 77,706,188.84 | 77,706,188.84 | 160,080.78 | 160,080.78 |

**TRANSACTION SET B**

**Chateau Americana, Inc.  
Unadjusted Trial Balance Figures and Adjustments**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CHATEAU AMERICANA** |  |  |  |  |
| **YEAR-END WORKSHEET** |  |  |  |  |
| **12/31/20XX** |  |  |  |  |
|  | **12-31-20XX** |  |  |  |
| **ACCOUNT** | **UNADJUSTED** |  | **ADJUSTMENTS** |  |
| **TITLE** | **TRIAL BALANCE** |  |  |  |
|  | **DEBIT** | **CREDIT** | **DEBIT** | **CREDIT** |
| **ASSETS** |  |  |  |  |
| General checking account | 2,142,990.31 |  |  |  |
| Payroll checking account | 1,000.00 |  |  |  |
| Money market account | 782,546.49 |  |  |  |
| Savings account | 51,745.56 |  |  |  |
| Petty cash | 500.00 |  |  |  |
| Accounts receivable | 5,366,569.32 |  |  |  |
| Allowance for bad debts |  | 95,401.58 |  | 10,994.50 |
| Inventory - production | 11,577,948.87 |  |  |  |
| Inventory - finished goods | 3,988,329.83 |  |  |  |
| Prepaid expenses | 142,465.96 |  |  |  |
| Land and buildings | 16,358,487.34 |  |  |  |
| Equipment | 13,875,131.10 |  |  |  |
| Accumulated depreciation |  | 15,342,029.47 |  |  |
| Investments | 3,095,227.56 |  |  |  |
|  |  |  |  |  |
| **LIABILITIES** |  |  |  |  |
| Accounts payable |  | 4,987,975.79 |  |  |
| Federal income tax withheld |  | 67,385.78 |  |  |
| FICA withheld |  | 12,681.48 |  |  |
| Medicare withheld |  | 2,965.82 |  |  |
| FICA payable - employer |  | 12,681.48 |  |  |
| Medicare payable - employer |  | 2,965.82 |  |  |
| Unemployment taxes payable |  | 943.57 |  |  |
| Other accrued expenses |  | 599,411.86 |  |  |
| Federal income taxes payable |  |  |  | 154,969.61 |
| Property taxes payable |  |  |  |  |
| Dividends payable |  |  |  |  |
| Mortgages payable |  | 7,639,067.73 |  |  |
| Notes payable |  | 816,500.00 |  |  |
|  |  |  |  |  |
| **STOCKHOLDERS' EQUITY** |  |  |  |  |
| Common stock |  | 90,000.00 |  |  |
| Paid-in capital in excess of par - common |  | 3,567,265.00 |  |  |
| Dividends - common | 50,000.00 |  |  |  |
| Retained earnings |  | 22,064,134.78 |  |  |
|  |  |  |  |  |
| **REVENUE** |  |  |  |  |
| Sales |  | 22,353,157.95 |  |  |
| Sales discounts | 348,437.86 |  |  |  |
| Sales returns and allowances | 15,718.26 |  |  |  |
| Gain/Loss - Fixed Assets |  | 0.00 |  |  |
| Dividend income |  | 4,000.00 |  |  |
| Interest income |  | 24,332.56 |  |  |
|  |  |  |  |  |
| **COST OF GOODS SOLD** |  |  |  |  |
| Cost of goods sold | 11,569,808.59 |  |  |  |
|  |  |  |  |  |
| **EXPENSES** |  |  |  |  |
| Wages and salaries expense | 1,972,322.74 |  |  |  |
| Sales commissions expense | 771,665.60 |  |  |  |
| FICA tax expense | 244,568.36 |  |  |  |
| Medicare tax expense | 57,197.43 |  |  |  |
| FUTA expense | 7,392.00 |  |  |  |
| SUTA expense | 22,176.00 |  |  |  |
| Utilities expense | 325,954.67 |  |  |  |
| Irrigation & waste disposal expense | 230,910.91 |  |  |  |
| Landscaping expense | 142,475.69 |  |  |  |
| Advertising expense | 296,794.33 |  |  |  |
| Marketing expense | 192,865.67 |  |  |  |
| Festivals & competitions expense | 238,654.75 |  |  |  |
| Telephone expense | 37,584.73 |  |  |  |
| Internet & computer expense | 14,475.00 |  |  |  |
| Postage & shipping expense | 35,117.66 |  |  |  |
| Legal & accounting fees | 88,425.50 |  |  |  |
| Other consulting fees | 12,500.00 |  |  |  |
| Office supplies expense | 58,689.68 |  |  |  |
| Data processing expense | 9,743.89 |  |  |  |
| Depreciation expense | 1,201,199.16 |  |  |  |
| Travel and entertainment expense | 169,405.86 |  |  |  |
| Other insurance expense | 115,058.55 |  |  |  |
| Medical insurance | 192,154.80 |  |  |  |
| Workmen's compensation insurance | 139,750.00 |  |  |  |
| Other employee benefits expense | 175,643.90 |  |  |  |
| Dues & subscriptions expense | 32,076.00 |  |  |  |
| Federal income tax expense | 857,595.76 |  | 154,969.61 |  |
| Property tax expense | 19,875.00 |  |  |  |
| Repairs and maintenance | 71,974.93 |  |  |  |
| Automobile expense | 81,493.45 |  |  |  |
| Lease expense | 113,607.56 |  |  |  |
| Bad debt expense |  |  | 10,994.50 |  |
| Miscellaneous expense | 26,665.63 |  |  |  |
| Interest expense | 359,978.41 |  |  |  |
| **Sub-totals** |  |  |  |  |
| **Net Income (Loss)** |  |  |  |  |
| **TOTALS** | 77,682,900.67 | 77,682,900.67 | 165,964.11 | 165,964.11 |

**TRANSACTION SET C**

**Chateau Americana, Inc.  
Unadjusted Trial Balance Figures and Adjustments**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CHATEAU AMERICANA** |  |  |  |  |
| **YEAR-END WORKSHEET** |  |  |  |  |
| **12/31/20XX** |  |  |  |  |
|  | **12-31-20XX** |  |  |  |
| **ACCOUNT** | **UNADJUSTED** |  | **ADJUSTMENTS** |  |
| **TITLE** | **TRIAL BALANCE** |  |  |  |
|  | **DEBIT** | **CREDIT** | **DEBIT** | **CREDIT** |
| **ASSETS** |  |  |  |  |
| General checking account | 2,192,465.94 |  |  |  |
| Payroll checking account | 1,000.00 |  |  |  |
| Money market account | 782,546.49 |  |  |  |
| Savings account | 51,745.56 |  |  |  |
| Petty cash | 500.00 |  |  |  |
| Accounts receivable | 5,365,981.82 |  |  |  |
| Allowance for bad debts |  | 95,401.58 |  | 11,000.36 |
| Inventory - production | 11,579,640.97 |  |  |  |
| Inventory - finished goods | 3,976,802.63 |  |  |  |
| Prepaid expenses | 142,465.96 |  |  |  |
| Land and buildings | 16,358,487.34 |  |  |  |
| Equipment | 13,858,750.10 |  |  |  |
| Accumulated depreciation |  | 15,339,447.34 |  |  |
| Investments | 3,095,227.56 |  |  |  |
|  |  |  |  |  |
| **LIABILITIES** |  |  |  |  |
| Accounts payable |  | 4,987,975.79 |  |  |
| Federal income tax withheld |  | 67,385.78 |  |  |
| FICA withheld |  | 12,681.48 |  |  |
| Medicare withheld |  | 2,965.82 |  |  |
| FICA payable - employer |  | 12,681.48 |  |  |
| Medicare payable - employer |  | 2,965.82 |  |  |
| Unemployment taxes payable |  | 943.57 |  |  |
| Other accrued expenses |  | 599,418.02 |  |  |
| Federal income taxes payable |  |  |  | 155,901.94 |
| Property taxes payable |  |  |  |  |
| Dividends payable |  |  |  |  |
| Mortgages payable |  | 7,639,067.73 |  |  |
| Notes payable |  | 789,000.00 |  |  |
|  |  |  |  |  |
| **STOCKHOLDERS' EQUITY** |  |  |  |  |
| Common stock |  | 90,000.00 |  |  |
| Paid-in capital in excess of par - common |  | 3,567,265.00 |  |  |
| Dividends - common |  |  |  |  |
| Retained earnings |  | 22,064,134.78 |  |  |
|  |  |  |  |  |
| **REVENUE** |  |  |  |  |
| Sales |  | 22,365,119.55 |  |  |
| Sales discounts | 348,667.11 |  |  |  |
| Sales returns and allowances | 15,736.88 |  |  |  |
| Gain/Loss - Fixed Assets |  | 2,257.08 |  |  |
| Dividend income |  | 4,000.00 |  |  |
| Interest income |  | 24,332.56 |  |  |
|  |  |  |  |  |
| **COST OF GOODS SOLD** |  |  |  |  |
| Cost of goods sold | 11,581,335.79 |  |  |  |
|  |  |  |  |  |
| **EXPENSES** |  |  |  |  |
| Wages and salaries expense | 1,972,322.74 |  |  |  |
| Sales commissions expense | 771,665.60 |  |  |  |
| FICA tax expense | 244,568.36 |  |  |  |
| Medicare tax expense | 57,197.43 |  |  |  |
| FUTA expense | 7,392.00 |  |  |  |
| SUTA expense | 22,176.00 |  |  |  |
| Utilities expense | 326,338.17 |  |  |  |
| Irrigation & waste disposal expense | 230,910.91 |  |  |  |
| Landscaping expense | 142,475.69 |  |  |  |
| Advertising expense | 296,794.33 |  |  |  |
| Marketing expense | 192,865.67 |  |  |  |
| Festivals & competitions expense | 238,654.75 |  |  |  |
| Telephone expense | 37,584.73 |  |  |  |
| Internet & computer expense | 14,475.00 |  |  |  |
| Postage & shipping expense | 35,117.66 |  |  |  |
| Legal & accounting fees | 88,425.50 |  |  |  |
| Other consulting fees | 12,500.00 |  |  |  |
| Office supplies expense | 58,689.68 |  |  |  |
| Data processing expense | 9,743.89 |  |  |  |
| Depreciation expense | 1,200,505.11 |  |  |  |
| Travel and entertainment expense | 169,405.86 |  |  |  |
| Other insurance expense | 115,058.55 |  |  |  |
| Medical insurance | 192,154.80 |  |  |  |
| Workmen's compensation insurance | 139,750.00 |  |  |  |
| Other employee benefits expense | 175,643.90 |  |  |  |
| Dues & subscriptions expense | 32,076.00 |  |  |  |
| Federal income tax expense | 857,595.76 |  | 155,901.94 |  |
| Property tax expense | 19,875.00 |  |  |  |
| Repairs and maintenance | 71,974.93 |  |  |  |
| Automobile expense | 81,493.45 |  |  |  |
| Lease expense | 113,607.56 |  |  |  |
| Bad debt expense |  |  | 11,000.36 |  |
| Miscellaneous expense | 26,665.63 |  |  |  |
| Interest expense | 359,984.57 |  |  |  |
| **Sub-totals** |  |  |  |  |
| **Net Income (Loss)** |  |  |  |  |
| **TOTALS** | 77,667,043.38 | 77,667,043.38 | 166,902.30 | 166,902.30 |

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| **GENERAL LEDGER APPLICATIONS  USING *PEACHTREE COMPLETE***  ***ACCOUNTING 2012 ®:***  **The Winery At Chateau Americana** | | |
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**LEARNING OBJECTIVES**

After completing and discussing this assignment, you should be able to:

* Recognize the managerial and technological issues associated with the implementation of a general ledger package
* Complete sample transactions
* Understand the implications of the design of the user interface
* Recognize and evaluate the strengths and weaknesses of controls embedded in a general ledger package
* Compare and contrast a general ledger package with a manual accounting information system

**CLASSROOM USE**

As mentioned previously, the *CAST Computerized Accounting Information System Module* is designed to be used in conjunction with the *CAST Manual Accounting Information System Module*. Therefore, there are three alternative transaction sets provided for the General Ledger Application, consistent with the *Manual Accounting Information System Module* to allow rotation of solutions from one semester to another.

Depending upon how much ‘hand-holding’ you want to do, you may want to provide additional hints for your students. We personally have found that it’s good for them to investigate and explore the program on their own. However, some students do get frustrated. So, for example, you may also want to tell them that Banking allows both Cash Receipt and Cash Disbursement (under “Receive Money” and “Pay Bills”) and the General Journal Entry function is found under Company.

**SOLUTION**

There are three General Ledger Application solutions contained in one ZIP file. When you unzip the file, you will find three folders entitled “thewinaA” for Transaction Set A, “thewinaB” for Transaction Set B, and “thewinaC” for Transaction Set C. These folders must be copied in their entirety (i.e., not just the contents but the entire folder) “as is” into the **Company** folder located within the Peachtree application on your computer so that you now have a folder entitled, for example, “thewinaA”. This will enable you to open the company in Peachtree.

The User Name is **Instructor** and the Password **Instructor1** for each of these companies. Note that both are case sensitive.

**NOTE**

If you had your students work through the Manual Module, please note that there are no bank reconciliation in Peachtree. We do apologize for this. However, given the three transaction sets we made the decision that the complexity involved in trying to provide different amounts on outstanding checks, etc., did not warrant repeating this exercise in the computerized environment.

Again, if you have had your students work through the Manual Module or the Excel component of the Computerized Module, you can remind your students that they can check their answers to get some assurance that they are on the right track. The only amounts that should be different at year-end are those in the General Checking Account and FIT Withheld and this is due to rounding differences based upon the formulas used in Peachtree.

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| **DATABASE APPLICATIONS USING MICROSOFT® ACCESS 2010: The Winery at Chateau Americana** | | |
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**LEARNING OBJECTIVES**

After completing and discussing this material, you should be able to:

* Recognize and explain the purpose of the elements of a relational database
* Build selected elements of a database management system
* Recognize and evaluate the strengths and weaknesses of the controls embedded in a database management system
* Compare and contrast a database package with a general ledger package and with a manual accounting information system

**SOLUTION**

The Database Application solution is contained in a separate Access file.