

Department of Computer Science and Engineering University of Notre Dame

CSE 498G/598G - Advanced Databases Spring 2005

Assignment 2

Purpose:

In this assignment, you will create a package to help facilitate the management of the Sale database that you built in assignment 1 and project 1.

Problem:

You have been given the task of managing the whole system, mainly to keep track of all the information about customers, salespeople, products, manufacturers, etc, and to record the sale transactions. Your job is to create features that make it easier to extract information. You should be able to perform basic tasks and generate simple reports. Your job will therefore be to create functions and procedures, and place them in a package, so as to:

- add a new customer; new salesperson; new product
- retrieve a customer's name based on id, or vice versa; or balance based on either
- same with salesperson's name and id, and commission rate
- same with product's name and id, and cost, and price
- retrieve a salesperson's manager name based on name or id
- add a new sale transaction
- add a new product
- find the profit on a product, based on name or id

Your system should be able to use the elements of that package to generate reports:

- a salesperson's customer list
- a customer's transactions, total per transaction, and sum total
- same for salesperson, with total profit

The look and content of the report is your prerogative.

Feel free to add additional functions and/or procedures to your package that you think would be helpful.

Due Date:

Wednesday 2 / 16 / 05, at midnight. This homework may be done in groups of two. Place your files in your personal dropbox, under a hw2 subdirectory.