

Software Project

Goal of project: The goal of our software project was to create a program that emulates a photo selection ordering system. It operates by giving users the option to input their choices to what kind of print order they want to make based on the following: Print Quantities, Sizes, Finish, Processing Time. Once their choices are inputted the program should allow them to view the price of their order.

Requirements

- Program should allow the user to input a choice from these parameters. Print Quantities, Sizes, Finish, Processing Time.
- Print quantities should allow user to choose an integer value from 1 to 100.
- Sizes should allow user to choose from 3 options, 4x6, 5x7 or 8x7.
- Finish should allow user to choose from 2 options glossy or matte.
- Processing time should allow user to choose from 2 options next day or 1-hour.
- Users should be able to have a choice from 2 different ordering scenarios, have the same size finish and processing time for all prints or choose different sizes, finish, and processing time for each separate print.
- Program should have a standard value with the size, finish and processing time equaling to 4x6, glossy, next day.
- If the prints all have the same value for each parameter than they should have a set price according to the quantity ordered and size.
- For standard values, if user picks 1-50 prints each print should be \$0.14.
- For standard values, if user picks 50 and before or equal to 75 prints should be \$0.31.
- For standard values, if user picks after 75 or before or equal to 100 prints should be \$0.28.
- For 5 x 7, if user picks 1-50 prints each print should be \$0.34.

- For 5 x 7, if user picks 50 and before or equal to 75 prints should be \$0.31.
- For 5 x 7, if user picks after 75 and before or equal to 100 prints should be \$0.28.
- For 8x10, if user picks 1-50 prints each print should be \$0.68.
- For 8 x 10, if user picks 50 and before or equal to 75 prints should be \$0.64.
- For 8 x 10, if user picks after 75 and before or equal to 100 prints should be \$0.60.
- If matte finish is chosen prices should increase .02 for 4 x 6, .03 for 5 x 7, and .04 for 8 x 10.
- If processing time is 1-hour the client should add \$ 1.00 if the order has less or equal 60 prints and \$ 1.50 if the order has more than 60 prints.
- If the client knows the promotion code N56M2 user should be able to obtain a \$2 reduction if the number of prints is equal 1 to 100 and the prints all have the same values.
- If the client chooses size, finish, and processing time separately for each print, and the price does not depend on the quantity of prints and is 0.19 for each print 4 x 6 size, 0.39 for each print 5 x 7 size, 0.79 for each print 8 x 10 size.
- If some prints have matte finish (instead glossy), the client needs to add, 0.04 for each print 4 x 6 size, 0.06 for each print 5 x 7 size, 0.08 for each print 8 x 10 size.
- If the client chooses size, finish, and processing time separately for each print, if processing time is 1-hour the client should add \$ 2.00 if the order has less or equal 60 prints and \$ 2.50 if the order has more than 60 prints.
- In the case of the cost of the order is more than \$35.00 the client can obtain 5% reduction.
- Program should not allow reduction to be combined with a coupon code.

