



UVA WELLASSA UNIVERSITY
DEPARTMENT OF COMPUTER SCIENCE & TECHNOLOGY
END SEMESTER EXAMINATION – SEMESTER I – 2008/2009
CST306-3 WEB DEVELOPMENT TECHNOLOGY

Time Allowed: 1 ½ HOURS

Answer All Questions.

PART B

Instructions:

- Save all your work under a folder named CST306_EXAM inside your home drive (Z:\). You are advised to save your work frequently to avoid possible catastrophic failures.
 - Upload a compressed file containing all of your contents into the course management system at the end of the examination. A separate 10 minutes will be given for uploading your contents.
1. You are supposed to implement a MySQL database for storing data of an online shopping cart for collecting goods selected by individual customers.
 - a) Design a MySQL database using the following relational schema as a guide. Name your database as EX06xxx where xxx EX06xxx represents your index number. (5 Marks)
 PRODUCT (PRODUCT-ID, DESCRIPTION, UNIT PRICE)
 CUSTOMER (CUSTOMER-ID, NAME, COUNTRY)
 CART (CART-ID, TOTAL-VALUE)
 CART-ITEM (ITEM-LINE-ID, PRODUCT-ID, CART-ID)
 - b) Insert sample data to the above created database using GUI provided with MySQL. (5 marks)
 2. You must utilize the database created in the above question 01 part (a) to answer the questions below. Make sure the changes you do through PHP scripts below reflect in the database created above.
 - a) Design a web page(s) using PHP to list all available products in the store. (6 marks)
 - b) Design a web page(s) for a registered user to login to the online store. You can assume that all users are pre registered. You must use a mechanism to identify successfully registered users during subsequent visits. (6 marks)
 - c) Update the web page(s) created in part (a) above to facilitate the users to add products to their shopping cart. You may use any suitable method to implement a shopping cart. (6 marks)

- d) Design a web page(s) to allow a user to see what is in his/her shopping cart. Also add facility to remove any unnecessary items from the shopping cart. (6 marks)
- e) Design a web page(s) to provide the checkout facility to the users with non empty shopping carts. Once checked out, the shopping cart should be empty and ready to start a new shopping tour. However, you do not need to implement any payment gateway features (6 marks)