

Part C

Duration: Two (02) hours

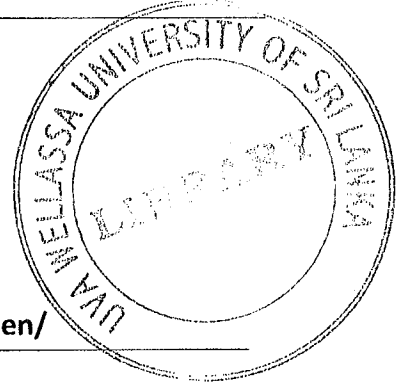
Number of questions: One (01)

Mark allocation: 50

Answer all questions

Create an SQL dump file and upload all the files to VLE under the given link

PHP online documentation can be accessed through <http://php.net/manual/en/>



1. You are required to develop an online shopping cart using PHP and MYSQL. Description and the Software Requirement Specifications (SRS) for the web application is given below.
Online shopping cart is a web application that provides a platform to purchase goods through the internet. A registered user can perform the functions such as login/logout, add/remove items, and make payment by cash. The administrator is the built-in user who controls the user accounts. The credentials for the administrator is hardcoded (username: admin, password: abc123) and he can add/remove/edit a user account while searching for existing users and add/remove/edit items as well.

User levels: Administrator and the customer

Functional requirements:

Administrator	User
Login/Logout	Register
Add/Remove/Edit a user account	Login/ Logout
Add/Remove/Edit items	View products
	Add/Remove products to the cart
	Make payment

Registration

If customer wants to buy the product then he/she must be registered, unregistered user cannot go to the shopping cart.

Login

Customer logs in to the system by entering valid user id and password for the shopping.

Change to Cart

Changes to cart means the customer, after login or registration, can add items or remove items from the shopping cart.

Payment

In this system, the mode of payment is by Cash.

Logout

After ordering or surfing for the product customer has to logout.

Non-functional requirements:

- Customer should be able to logout at any time while shopping (adding items to the cart), but when he login back, the last added items must be remain in the cart. That is, a customer can pay later for the added items by login back.
- Security (encrypted passwords)
- Authentication (manage user levels)
- Scalability and Speed (database and session handling)

Database schemas

Administrator (admin_id, name, phone)

Customer (cus_id, password, fname, lname, age, gender, phone, address)

Product (product_id, product_name, unit_price)

History (cus_id, total_amunt, date)

Develop a web application to fulfill,

- a. The functional requirements. (25 mark)
- b. The non-functional requirements. (10 mark)
- c. The database architecture. (15 mark)

Additional tables can be included if necessary.

Exceptions/ errors must be handled properly.

Note:

Styling and formatting is not necessary but the clarity of the interfaces is desired.

You have to use "abc123" as the default password for all the users.

