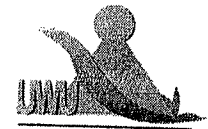
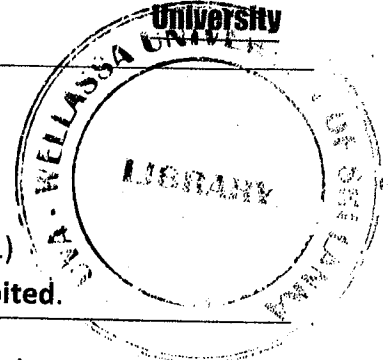


Uva Wellassa University of Sri Lanka
Faculty of Science and Technology
Department of Computer Science and Technology
300 Level 2nd Semester Examination – Jan./Feb. 2016
CST 323-3 Web Development Technology



**Uva Wellassa
University**



Part B

Duration: Two (02) hours

Number of questions: 01 Practical Question

Mark allocation: 60

Save your works in **Z drive** with your **Index number** (e.g. UWU_EX_12_0001)

You are allowed to refer your own notes but **sharing notes is strictly prohibited.**

1. UWU AgriBusiness unit has decided to start an online business to sell the vegetable harvest. Assuming that you are a member of the web development team, you are given the Requirement Specifications (RS) prepared by the business analyst of your team.
- There are ten different vegetables to be sold and the price index for the vegetables changes regularly (weekly). The price index is available as Comma Separated Values file (price.csv) on every Monday. Administrator must update the prices of the vegetables using the file (price.csv) provided.
- You are supposed to develop a web application with the following web pages and the functionalities.

Web page	Requirement Specification
index.php	This is the home page. This page displays the details of each vegetable such as vegetable_id, vegetable_name, unit_price and quantity_available with it's image. (images are available in Z:\img\ "Login" link must be displayed on top-right corner of the page. Registered customer should be able to log on to the website. If a registered customer log on to the website, "Buy" link and a text box to enter the quantity must be displayed under each image (vegetable).
reg.php	This page allows the customer to register with the website to purchase vegetables. "Register" link must be displayed on top-right corner of the index.php page.
edit.php	This page allows searching and updating the existing details of all the tables you are going to create. The page is accessible only for the administration level.
price.php	This reads csv files and updates the prices in the table. (price.csv file is available in Z:\). The page is accessible only for the administration level.
login.php	This page handles the authentication and allow the authorized admin to access edit.php and price.php pages and authorized customer to purchase vegetables. "Logout" link must be appeared on top-right corner of the above pages once to an authorized admin/customer log on to the above pages.
logout.php	This allows the logged in users to logout from the authorized access.

(50 mark)

Develop a web application, which fulfills all the requirements specified in RS document. You are responsible for designing the required database with appropriate tables.

You have to log on to MySQL database using the given host address and the credentials. You may use "sqlbuddy" to create tables.

Your database should consist of the following tables (create additional tables if necessary)

- Vegetable
vegetable id, vegetable_name, unit_price, quantity_available
- Administrator
admin id, fName, lName, password
- Customer
customer id, customer_fName, customer_lName, password, address, contact_No
- Login
sessionid, user id, dateOfLogin, timeOfLogon, timeOfLogoff

(10 mark)

Important

To connect with the database

Database host: "localhost"

Username: <your exam index in capital>

Password: <your exam index in capital>

DB name: <your exam index in capital>

To run PHP files

URL: 10.93.2.253/<your exam index in capital>/file_name.php

All the exceptions generated by the web and database servers should be properly handled.

Styling and additional formatting are not required. However, the clarity and the simplicity of the interfaces are highly concerned.

You are free to define any fare policy or reasonable logic where applicable.