

Uva Wellassa University of Sri Lanka
Faculty of Science and Technology
Department of Computer Science and Technology
End Semester Examination September/October 2013
CST 224-3 Rapid Application Development



Time Duration : Three Hours (03 hrs.)
Number of Pages : Two (02)

PART - B

Instructions to Candidates

1. **Open book** – Internet facility will not be provided.
2. Upload a single compressed file to the CMS. You **must name** it as your index number (EX110001).
3. You **must add** your registration number and name, as comments for each and every source files.
4. You are **not allowed** to use any external memory devices within the exam.
5. If you **try to share your codes** with your colleagues in some manner, you will be disqualified from the exam.

1. Create a simple web application using Servlet and JSP where we are going to give customer details in JSP page and then get the customer details in servlet and show the customer details inserted in a Welcome page.

The customer details that you need to enter are Name, Address, Mobile number and Date of Birth.

The welcome page should contain a welcome message with the provided name, Address, Mobile number and Age (age need to be calculated using Date of Birth and the date today).

(40 mark)

2. You are assigned to create a standalone application for a dinner RSVP of coding competition (web application development and games development). Following shows the structure of the interface and required fields.

First Name

Last Name

Email

Phone (###-###-####)

Number Attending
Limit of 5 total (including yourself)

I am a registrant in the following:

Web Design Competition

Game Design Competition

Both

Create a Database using Hibernate annotations with the following features to store the information given by the users.

1. Use your index number as schema name.
2.
 - i. If the user registered for web designing competition, store the details on 'web' table.
 - ii. Create a table 'game' to store the information of registered users for game designing competition.
 - iii. If the user registered for both competitions, use table 'web_game' to store the information.
3. You need to assign primary keys for all three tables and it should be auto incremented.
4. Except 'Last Name' field all the other fields should not contain null values.

Create build.xml file with the following features to run the application using ant tool.

- Compile java source files
- Create an executable jar file
- Copy the jar file in to lib and dist folder (consider lib and dist folders to be located on your workspace)

(60 mark)