

Uva Wellassa University, Sri Lanka
End Semester Examination – June 2009
CST305-3 Rapid Application Development



Time: Two (02) hour

09-3RD-CST305-3

Total 05 Questions
Answer four (04) questions only

PART - A

- Q1
- a.) Explain the essentials for Rapid Application Development methodology. [10 marks]
 - b.) Describe advantages and disadvantages on RAD. [20 marks]
 - c.) Provide examples where we use and where we should NOT use RAD methodology separately. [20 marks]
- Q2
- a.) What is the main difference between procedural and event-driven programming? [10 marks]
 - b.) Explain low-level events and semantic events. [10 marks]
 - c.) Where do we use Event Adaptors? [15 marks]
 - d.) What are the Design Considerations on JAVA GUI programming? [15 marks]
- Q3
- a.) What are the advantages of build tools? [10 marks]
 - b.) What s ANT? [10 marks]
 - c.) Write a simple ant target to compile and run SimpleCalculator.java [15 marks]
 - d.) Write a simple ant target to run a SQL command to create database. [15 marks]
- Q4
- a.) Explain Object Relational Mapping. [10 marks]
 - b.) Why we should use Hibernate as an ORM tool? [10 marks]
 - c.) Assume you have a database called 'UserDetails'. You should have a table called 'User' with 'UserId', 'UserName', 'Password' attributes. Write the code for the POJO (Plain Old Java Object) for 'User'. [15 marks]
 - d.) Write the code to save a user with userId = 2, username = "Nimal" and password = "nimal_password" and code to review a user with a given userId = 2. [15 marks]

Q5

- a.) Why we need coding conventions? [10 marks]
- b.) What is the folder structure of a project? [10 marks]
- c.) What are the rules used in Naming Conventions. [10 marks]
- d.) Write down a simple example code for a Adder which has a method to add 2 numbers and returns the result of it with all good coding conventions. [10 marks]