DEVELOPMENT SOFTWARE 3B DSW31B1

UNIVERSITY
OF
JOHANNESBURG

FACULTY OF MANAGEMENT DECEMBER EXAMINATION

DEPARTMENT OF APPLIED INFORMATION SYSTEMS

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MODULE : **DEVELOPMENT SOFTWARE 3B**

CODE : **DSW31B1**

DATE : 1 NOVEMBER 2014

DURATION : 2 HOURS

TIME : 08H30

TOTAL MARKS : 100

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EXAMINER : MR W ERASMUS

(EXTERNAL) MODERATOR(S): MR J MENTZ

NUMBER OF PAGES : 4 PAGES

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INSTRUCTIONS TO CANDIDATES:

- This is a closed book assessment.
- Read the questions carefully and answer only what is asked.
- Number your answers clearly.
- Write neatly and legibly
- Structure your answers by using appropriate headings and sub-headings.
- The general University of Johannesburg policies, procedures and rules pertaining to written assessments apply to this assessment.

This paper consists of Section A and Section B. Please answer all the questions.

SECTION A

QUESTION 1

The Systems Development Lifecycle consists of various steps which ensure that a well designed product is produced. Answer the following with regard to the software solution your group produced.

1.1.   Write down your group name.   **(1)**

1.2.   Provide your stakeholders organization name.   **(1)**

1.3.   Provide your Systems Request. Supplement your answer by explaining where your Systems Request originated.   **(4)**

1.4.   Discuss how your group went about developing the Requirements Model. Provide examples to supplement your answer.   **(12)**

QUESTION 2

Conflict within a group can be good. Discuss how conflict within your group could have ensured a better software application for your stakeholder.   **(10)**

QUESTION 3

Well designed software solutions must be well documented.

3.1.   Discuss the Disaster-and-Recovery plan you implemented on your system.

                                                                                                                          (10)

3.2.   Explain the strategy you would follow to enable the quick transition from the old system to the new system. NOTE: Refer to documentation that you would provide during and/or after implementation.   **(8)**

QUESTION 4

The User Interface is a major component of a well designed software solution.

4.1.   Explain why it is important to know the user of the system when designing the UI.
(4)

4.2.   Draw an example of a login window.   (4)

4.3.   Discuss reasons for using each component (e.g. buttons) you have placed on your login window.   (8)

4.4.   When designing a form it is important to know the users **"needs"**. Discuss the process you would follow to produce the correct form for the user, based upon those needs.   (4)

QUESTION 5

Explain the installation process and documentation for your project. **NOTE:** Refer to your project in your explanation   (7)

QUESTION 6

6.1 Now that your software application is complete, it is important that the maintenance of your system done correctly. Discuss software maintenance with regard to your software application.

[93]

SECTION B

QUESTION 1 / VRAAG 1

Application development in Industry is invariably produced in a group. It is important that the group members work well together for a high quality product to be produced.

Copy and complete the following table: (Include yourself on this table):

Group member (Student number / Full name)	Key responsibility	Contribution (Use rating below)	Other notes

Note: You must rate yourself as well.

Rating: 0 – Did not contribute at all.
            1 – Performed poorly.
            2 – Performed adequately.
            3 – Performed excellently.

(7)

[7]

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