**Paper Details**

Course: FdSc Computing

Module Code: SOUD1416 Exam Name: Programming concepts

Date: Monday 5th Dec 2016 Start Time: 10.00

Duration: 1 hour

**Student Details**

Create your project using C# in Visual Studio IDE

**Paper Information**

Additional materials required:

Computer and IDE provided and you lesson notes

**Instructions to candidates**

* This practical has a total of 1 practical task
* Please complete required practical to the fullest of your ability
* Make sure your programming code uses standard practices
* Your assessor will be assessing your progress under supervision

**Advice to candidates**

Read the question carefully before you start to answer it.

Keep an eye on the time.

Attempt all of the question

Check all your solution at the end if you finish early.

**ASSIGNMENT Task:-**

**Practical introduction – 1 hour**

This is a practical test to assess your ability to create a program to a given task. You must complete the following task using your own knowledge and understanding of the C# programming language.

Your program will be assessed for performance, reliability and robustness by your tutor at the end of the practical.

You must use correct coding conventions which you have been taught from previous lectures.

**Note! You cannot use the internet, but you can use your notes taking from lessons.**

**Practical Task**

*Screen description*

1. **Create a menu screen consisting of the three following options -**
   1. **Add user**
   2. **Show user**
   3. **Quit**
2. **Create a data entry screen which will require input from the user. User input will need to be stored into the correct data types. The data entry screen should allow for the following -**
   1. **Add Initial**
   2. **Add Sir Name**
   3. **Add Age**
   4. **Add Weight**

*Program*

Your program will require the following functionality:

* The user will be presented with a main menu with the three of the specified options, add user, show user and quit.
* When add user is selected, the user can add an initial, sir name, age and weight, then returned to the main screen.
* The user can then select the current user information that has been stored by selecting ‘Show user’, and display all the information relating to that user.
* The main menu must be refreshed until the user has selected ‘Quit’ and display ‘**Thank you for using this program. Good Bye**’.

**NOTE**

**Your program should not fail if incorrect data is inputted.**

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| **You will be assessed using the following criteria:** | **Criteria Mark** |
| Applied knowledge and understanding of the given task, using fundamental programming structures to produce a working software application | **60** |
| Consideration of performance, concerning structure, robustness reliability, including your feedback and self-reflection. | **40** |
| Total 100 marks |  |