



**National Certificate: Information Technology (Systems Development)**

**Programming 1 (PRG512)**

**Summative Assessment 2018**

**DOCUMENT code: SA1**

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| **DURATION:** |  |
| **TOTAL MARKS:** | 180 |
| **PASS MARK** | 80% |

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You have been tasked to create an UWP Math App for the “CTU for Kids” foundation they use technology to help children learn basic maths, they have tasked you to create the following UWP app:

* The student must be able to register themselves and login again at a later date
* The student must be able to choose their grade(Grade 1-Grade 4) as well as the level of difficulty
* Students can have the option to practice or to write a test, all test results must be saved
* Questions should be randomized and values should be random so that the students very rarely get the same question
* Give the student the option to choose the amount of questions they want to take(Between 1-100)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Mark sheet** | | **Total Marks** | **Marks** | **Moderated** |
|  | | **180** | **0** | **0** |
|  | The student must be able to register themselves and login again at a later date | 30 |  |  |
|  | The student must be able to choose their grade(Grade 1-Grade 4) as well as the level of difficulty | 30 |  |  |
|  | Students can have the option to practice or to write a test, all test results must be saved | 50 |  |  |
|  | Questions should be randomized and values should be random so that the students very rarely get the same question | 50 |  |  |
|  | Give the student the option to choose the amount of questions they want to take(Between 1-100) | 20 |  |  |