

**Programming II Formative Assessment 1 (Part 1)**

***Unit Standards covered:***

* ***115381 Apply the principles of creating a computer program using an OOP language in a GUI environment***
* ***116389 Write a technical report***
* ***114059 Demonstrate an understanding of estimating a unit of work and the implications of late delivery.***
* ***115392 Apply principles of creating computer software by developing a complete programme to meet given business specifications***
* ***115365 Apply the principles of designing computer system inputs and outputs***

**Instructions to Learner:**

1. Learner needs to include all criteria evidence of all tasks.
2. The work handed in must be your own and valid.
3. Please take note that failing to adhere to the criteria of each task within this assessment willlead to an immediate NYC.
4. The learner must achieve a mark of 80% to be deemed as competent

Learner Name and Surname: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Assessor Name and Surname: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Learner ID Number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# Scenario

Complete all of the following instructions, also have a look at the mark sheet section to see how much each question counts to ensure you provide enough evidence to obtain a maximum mark. You have to hand in a folder named Name\_Surname\_PRG512F1PT1 which will contain all of the evidence as asked further on in this assessment.

**Phases in the project:**

Phase 1: Planning of the Project

Phase 2: Progress and first draft of application

Phase 3: Final Product and documents hand in

After a recent survey at your college, you noticed that they have a need for a mobile application which will display certain information. The App will need to provide the following information:

The location of each of the campuses along with a picture of the campus, contact number, contact person and a map of how to get to the campus.

A brief description of all of the popular courses presented at your college and what you can gain from completing each of the courses (National and International).

The App must also include:

* Popular adverts of activities running on at the collage.
* Videos which promote student live at your campus.

The App must have a good utility and user experience. This means that the App has a consistent design and layout which fits in with the rest of your college. This will also include a unique splash screen.

**Mark Sheet**

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| |  |  |  |  |  | | --- | --- | --- | --- | --- | | Phase 1 | | | | | | 0-5/10 | 6-7/10 | 8-10/10 | | | | Very little Planning noted  . The student can work towards greater planning and possible solutions before submitting the  Final Program. | Some Planning noted. Student should increase efforts in program development | Good to excellent planning shown in the development of program. | | | | Total for Phase 1: | | 10/\_8\_\_ | | | | Phase 2 | | | |  | | 0-5/10 | 6-7/10 | 8-10/10 | | | | Preliminary work presented does not represent  the majority of steps in the process / Work  presented is incomplete | Preliminary work presented is adequate to track the development of the program. Certain steps in the process however are vague or absent. | Preliminary work presented clearly demonstrates the track and progress of program development | | | | Total for Phase 2: | | 10/\_10\_\_ | | | | Phase 3 | | | Mark | Received | | 1) App contains a unique splash screen. | | | 10 | 10 | | 2) App is able to run on mobile devices. | | | 10 | 10 | | 3) App contains all location information as asked. | | | 20 | 20 | | 4) App contains a brief description of all courses running as asked. | | | 20 | 20 | | 5) App contains all popular adverts of student activities. | | | 20 | 18 | | 6) App contains videos which help promote student live at the college. | | | 20 | 18 | | 7) The app has a good utility and user experience. | | | 20 | 18 | | 8) Technical Manual has to be handed in. | | | 10 | 2 | | 9) Planning Manual has to be handed in. | | | 10 | 0 | | 10) User Manual has to be handed in. | | | 10 | 7 | | Total for Phase 3: | | | 150 | 129 | | | |  |
| **Total for assessment** | **170\147** |
| **Total percentage for assessment** | **100\86.47** |

**Competency:**

**Competent**

**Not Yet Competent**

**Final Comment**