Student Practical Assessment (Exercise)

Business Unit/Work Group	IT Studies		
Qualification Code	National Code: ICT50715	Qualification Title	Diploma of Software Development
Unit Code/s	ICTPRG501	Unit Title/s	ICTPRG418 Apply intermediate programming skills in another language TAADE
Assessment Task Title	Navigation and Lifecycle		
Student Name	Submit your solution via your LEARN account	Student SIS ID	Submit your solution via your LEARN account
Assessor Name	You have been added to a LEARN group which defines your assessor. This is normally your Course Registration Number (CRN) lecturer.	Date	2018 Semester 1

Student Guide for Written Assessment	
Overview of Assessment	This assessment will require you to interpret a set of requirements specifications to design, develop, build, deploy and document a C#.NET UWP application with a focus on Page Navigation and App Lifecycle events
Task/s to be assessed	You will be assessed on the successful completion the Application Development Specifications
Time allowed	The assessment must be completed and uploaded by the end of the first term of the semester
Location	You could complete this assessment in class or at another suitable site (e.g. at home)
Decision making rules	To receive a satisfactory outcome for this your solution must meet all the Application Development Specifications
Assessment conditions	• You <u>may</u> be asked to explain your solution to the instructor in class • You are not allowed copy or use code that is not yours without acknowledgement. • You have till the end of the term from the time of release of this assessment to complete and upload your solution on the subject LEARN site
Resources required	To complete this assessment, you will need to use Visual Studio 2015 with the C#>NET Windows 10 SDK Toolkit and access to the subject Learn resources. Visual Studio 2015/Windows 10 SDK based machines are provided during this assessment. You can use a Mac if you prefer but these are not provided.
Results/Re-assessment	You will be provided with feedback for the assessment and be given the opportunity to resubmit any required corrections only once.
Submission Instructions	• Create a folder called yourName_4CSM_Assessment2 on the desktop and add your completed NetBeans project inside this folder. • Add your name to the comments at the beginning of each file.

Navigation and Lifecycle - Project

IT Works has hired you as a consultant developer to build a Windows based application for their client TafeSA. The client requires a simple multi page Windows based app to capture information from potential students during its Open Day Event. The systems analyst has come up with the following pages that will make up the required app.

1. Login page
2. Main page
3. Student Info page
4. Student Details page

Application Development Specifications

Create the above pages and navigate between them, by passing data between the various pages.

1. Open the MainPage and add two buttons (New Student and Student) to navigate to the Student Info and Student Details pages respectively, which you will create as detailed below.

2. Create a Login page with fields to capture a user name and password. When user enters the user name and password and hots the Login button, it navigates to the MainPage page as you created earlier.

3. When you click on the New Student button on the MainPage it should navigate to the Students Info page as defined below. Click on the Student button and it should navigate to the Student Details page you will create as described below.

4. Create an Student Info page to capture the following info:
   a. Student Id
   b. Student Name
   c. Student Email
   d. Student Tel Number

   Add a button to this page. When a user clicks on this button the data is stored in a Student object and navigates back to the MainPage.

5. Create a Student Details page to display the Student info you entered earlier or a default message if no students have been created.

6. In keeping with good OO practices, create a Student class with the required properties and manage the Student objects state across the navigated pages.