![ATC Vision College New Zealand logo]

Course name:	Diploma in Software and Design
Assignment title	**DSD-04 Agile Group Project**
Assessment weighting	*Need to pass the assessment to complete the course*
Passing Criteria:	Need to score 50% or more to pass the assessment. **Total Marks: 100**
Due date:	December 18th, 2020
Assessment conditions:	This is a resource-based assessment. This means that you may have access to any relevant resources to assist you. This could include your learning materials, information on the Internet, and so on. However, all work must be your own with no assistance from any other person.
Submission requirements:	Upload your project to Github or Cloud Campus
Module Names and Learning Outcomes	**Project Management** • 1. Identify requirements and implement mobile solutions • 2. Conduct project planning activities that accurately forecast project costs, timelines, and quality. Implement processes for successful resource, communication, and risk and change management. • 3. Use an appropriate methodology for project management • 4. Demonstrate effective project execution and control techniques that result in successful projects • 5. Satisfy client expectations and meet client needs in executing a software development project

This is an **ONLINE** only assessment. No paperwork is needed.

Disclaimer of Plagiarism and Collusion

I declare that:

- I have read and understood the ATC Vision Collage "Assessment Policy" and "Academic Cheating" sections as described in the Student Handbook.
- I am aware of the penalties for cheating as described in the Student Handbook.
- This assessment submission is entirely my own work, I have quoted, referenced and acknowledged any work copied directly from another source.
- I understand this assessment submission may be used for internal and/or external moderation.

I understand that if I have circumstances that affect my progress to complete assessment tasks, I will discuss it with my tutor prior to submission date

Agile Group Project

Objective

The students are required to undertake a group project as part of their Assessment for the Diploma in Software Engineering and Design qualification. The students are required to build an Android app using Agile methodologies. The App will also use a Source Control system such as Git.

Purpose

The purpose of the assessment is to create an Android App using Agile and Scrum methodologies.

The intention is that all group projects should be successful, and all students are expected to contribute to their own project in accordance with the timetable.

Group projects are expected to take students 180 hours of work per student, spread over 6 to 7 weeks, and to enable students to display their understanding across a broad range of subjects.

Groups will be expected to exhibit professional skills in design, quality and management. Specifically, they will have to show that the work has been carefully planned, that components and systems have been properly tested, and that members of the group have cooperated effectively.

The exercise also gives students experience of working against deadlines, with a team of colleagues. This gives some idea of the problems encountered in normal professional practice.

The review meetings provide an opportunity to monitor group progress and for general discussion. Your tutor will attend all the review meetings.

Requirements

Create a mobile app using Agile and Scrum methodologies. The final app may not be totally finished owing to time constraints. But still be operatable.

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Final deliverables

Copy and paste the questions below into a new document, answer them, and put it in your assessment folder with a copy of the app.

Answer the following questions.

What was the App that your group created?

Agile / Scrum

1. What did you learn about how the Agile and Scrum methodologies operate?In practice how effective did you find this methodology?
   By the agile methodology we can manage the task by break down inti many parts
2. What did you find was the strength of it?
   Quality of the work
   Team constantly interact each other and also customer
3. What were its weaknesses?
   Some time hard to plan the project because in the team all person have different ideas
4. What were the best features of the process?
   Sprint: sprint is the set of the time period in which we have to complete the task

5. What was the worst feature of the process
   Too much testing to do

Group work

1. What did you enjoy about this style of programming?
   This programming is really enjoyable because we do work in this in the team and we got the team spirit, enhances communication skills , how to mange with other people
2. What are the downsides for you of group work?
   Some team members fight because all the team members have the different thoughts about the planning of task
3. How did this session change your opinion of working in industry?
   Because of group work we understand other team members thinking about task

Source Control

1. What form of Source Control did you use?

   Github

2. What were its strengths?

In the git hub we can make any project hide or visible at any time, we can edit any any file without opening any application and software

3. What were its weaknesses?

4. How effective as a source control did you find it?
5. If you had to use it again what would you change?

Other

1. Do you feel that this has been a worthwhile experiment?
2. Why? Why not?
3. **If you had to give yourself a percent grade for your contribution to the project, and the process, what would it be?** Bearing in mind that you might have produced little, yet done the hard yards. Or you made heaps, but it was really easy.