# COSC1078
# Introduction to Information Technology

# Assessment 1: My Profile

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| **Assessment Type:** | | Word limit: N/A |
| Due date: Sunday of Week 4, 11:59PM (AEST) | | |
| Weighting: 20% | | |

## Overview

In this assignment you will develop your IT profile, which will be used as an input to further assignments. This is an individual assignment, and you will present your assignment by setting up a website which will contain the information about you. Your work needs to constitute a self-contained document that makes sense without the reader referring to the marking specification to understand the meaning of the information that you are communicating.
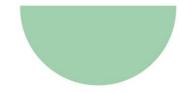
## Assessment Criteria

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| Personal Information | 5% |
| Interest in IT | 10% |
| Ideal Job | 25% |
| Profile | 20% |
| Project Ideas | 30% |
| Presentation | 10% |

## Learning Outcomes

This assessment supports the Graduate Outcomes of Enabling Knowledge, Critical Analysis, Problem Solving.

1. CLO 1: describe and apply basic concepts of contemporary technologies
2. CLO 2: analyse human and social contexts of technological innovations
3. CLO 3: apply the knowledge of various ICT components to create a prototype of a product/service

# Assessment details

## My profile

### Purpose

The world of IT is vast and varied, and there are many possible career paths in it. Which one of these is right for you? That can be a very difficult question to answer. This assignment is intended to be a first step in the process for you.

A natural starting place is to ask why you have chosen to study this course at RMIT. There must be some reason why you are interested in IT, or you wouldn't have made it this far! What makes IT interesting for you? What lead you to study at RMIT? What do you hope to do after graduation? This assignment will require you to think about questions like these and answer them as best you can. This information will be used in later assignments to assist you to form a group, and to plan an IT project with your group.

In order to help you develop a practical skill, you are to present your Assignment 1 information on a website, which you will set up via GitHub Pages.
You will also submit a report of your content too.

### What you will demonstrate:

Your interests in IT. Explore an ideal job. Create a personal profile. Develop a project idea.

### How you will demonstrate it:

Writing up a document covering all of the different areas listed above (and detailed below), to be then formatted and presented in a PDF Report and a group website hosted on GitHub Pages (+ Public GitHub Repository).

## Specifications

### Personal Information

Include your name, student number, student email address, picture, and some basic background information nationality and culture, education to date, languages spoken etc). Include at least one fact about yourself that others may find interesting, such as a hobby, a pet or your favourite sport or other pastime.

### Interest in IT

You should answer the questions below as best you can. Each answer should be one paragraph in length.

- What is your interest in IT? When did your interest in IT start?
  Was there a particular event or person that sparked your interest? Outline your IT experience (if any).
- Why did you choose to come to RMIT?
- What do you expect to learn during your studies?

## Ideal Job

Find an advertisement showing what you believe to be your ideal job. This may require several years of experience, and hence be something that you must work towards, rather than something that you are ready for now, or will be able to fill as soon as you graduate.

There are various ways to search for IT jobs, including websites like {seek.com.au}. You should include the following information.

- The job advertisement itself. Include a link, and a snapshot of it (in case the link expires before the assignment deadline).
- A description (in your own words) of the position, and particularly what makes this position appealing to you.
- A description (in your own words) of the skills, qualifications and experience required for the position.
- A description (in your own words) of the skills, qualifications and experience you currently have.
- A plan describing how you will obtain the skills, qualifications and experience required for the position, building on those you have now. This need not be greatly detailed, (and will probably change significantly over time anyway), but try to be as specific as you can.

## Personal Profile

There are a number of online tests that are commonly used by employers to get specific information about potential employees. One of the best-known of these is the Myers-Briggs Type Indicator (MBTI) test, which was developed by the mother-and-daughter team of Isabel Myers and Katharine Briggs. Another popular one (and very relevant to students) is about learning styles.

There are various other tests available online as well, and while there is no guarantee that any specific test will be necessarily one that you will encounter in your career, it seems highly likely that you will have to do some kind of test like this as part of a recruitment process.

Accordingly, you are required to present the following information:

- The results of an online Myers-Briggs test. www.16personalities.com
- The results of an online learning style test.
- The results of one further online test of your choosing.

The third test should be distinct from both the Myers-Briggs test and the learning styles test.

This could be a Big Five Personality test, a creativity test, or a psychometric test. You should be able to find something free, and please ensure that it is something that a potential employer may find relevant (so please avoid things like a Nerdy Personality Attribute assessment or a Generic Conspiracist Beliefs test!).

In addition to the results themselves, you should answer each of the questions below with one paragraph.

- What do the results of these tests mean for you?
- How do you think these results may influence your behaviour in a team?
- How should you take this into account when forming a team?

## Project Idea

You are to write a report of around **1000 words** describing your **IT project idea**. You should describe the project itself, as well as why you think it is important or interesting, and any potential drawbacks or obstacles you anticipate.

What are you passionate about? What kind of IT innovation would you like to see? What project will help you develop the skills, experience and knowledge required to make you qualified for your ideal job?

You need not have full answers to any of these questions, but you are required to have some ideas about an IT project that you think will address at least one of these questions. It may not be possible to find one that answers all three, but it is quite likely that something you would find interesting or useful will have a similar effect on others.

There are several possible types of projects that you may consider. Some potential ideas are below; others will be discussed in the following weeks:
- *Developing a game using tools such as Unity, Construct2 or Cocos2d.*
- *Developing a smartphone app, using whatever programming language in which you have expertise, or by using tools such as MIT App Inventor.*
- *Finding an innovative application for new hardware developments, such as Raspberry Pis, Arduinos, Makey Makeys, small robots or related technologies.*
- *Creating a FAQ and implementing it as a chatterbot, possibly involving speech-to-text and text-to-speech software.*
- *Building an electronic artefact such as a model for Minecraft or similar games, along the lines of the United Nations Block by Block project.*

This should not only describe what the project would be, but also why you think it is important or interesting, and what potential drawbacks or obstacles you anticipate.

The project idea that you put forward should have elements of **originality** and **innovation**, it does not have to be re-inventing the wheel - but isn't to be cloning an existing product or service and doing a minor change.
**Note:** There are to be **significant tangible artifacts** towards the project completion that are delivered by the submission of ASSIGNMENT 3, so keep this in mind when brainstorming your IT Project Idea – **Feasibility** is a key factor.

There isn't a set expectation of complexity to the project you select and explore, and it doesn't necessarily have to be something commercially viable, but, perhaps aiming for such could help you settle certain questions or help form your own (and tutors/graders) perspectives towards it.

Your description should include the following sections. The word counts below are *recommendations only* not absolutes but are a good guide of a minimum.

**Overview (100 words) -** This should be a summary of what the project will be.

**Motivation (100) words) -** This should be a description of why the project will be interesting or useful. This may include statistics or other evidence, such as: "There
service. are 1.5 billion cat owners in Australia, and so there is a huge market for an automated cat feeder. Using Raspberry Pi technology is a cheap and easily assembled solution to this problem."

**Description (500 words) -** Detailed description of the features of the product or service

**Tools and Technologies (100) words) -** Describe the software, hardware and/or other equipment needed. Include any relevant open source tools as appropriate.

**Skills Required (100 words) -** List the skills are required for your project, including software that needs to be written, and special hardware (if any). How feasible will it be to find the skills, software and hardware required?

**Outcome (100 words) -** If the project is successful, what will be the outcome? How will the original problem be solved? What impact will this development have?

# Submission format

Upload as one (1) single PDF report file to Canvas via the link on the Assignment page.
Include Name, Student ID, GitHub Public Repository URL, GitHub Pages URL at the top of the document, and the rest of the assessment content following in the Submission PDF.

# Extension Application

If you are prevented from submitting an assessment on time by circumstances outside of your control, you can apply for an extension (one business day before the assessment due date). To apply, complete the extension form, along with supporting documentation and send directly to your Tutor. You will be notified of the outcome within 2 business days.

*When submitting your application request it **must be accompanied** by **supporting documentation** and your **progress** towards the assessment to date.*

*Please note: Applications must be submitted at least one business day prior to the due date. (e.g. If an assessment is due on Sunday, you will need to submit a form by Friday).*

# Special Consideration

Where an extension of greater than seven days is needed, you must apply for Special Consideration.

# Referencing guidelines

It is expected that all references utilised will include in text citations - use RMIT Harvard Style Referencing. https://www.rmit.edu.au/library/study/referencing
You must acknowledge all the courses of information you have used in your assessments.
Refer to the RMIT Easy Cite referencing tool to see examples and tips on how to reference in the appropriated style. You can also refer to the library referencing page for more tools such as EndNote, referencing tutorials and referencing guides for printing.

# Academic integrity and plagiarism

Academic integrity is about honest presentation of your academic work. It means acknowledging the work of others while developing your own insights, knowledge and ideas.
You should take extreme care that you have:

1. Acknowledged words, data, diagrams, models, frameworks and/or ideas of others you have quoted (i.e. directly copied), summarised, paraphrased, discussed or mentioned in your assessment through the appropriate referencing methods,

2. Provided a reference list of the publication details so your reader can locate the source if necessary. This includes material taken from Internet sites.

If you do not acknowledge the sources of your material, you may be accused of plagiarism because you have passed off the work and ideas of another person without appropriate referencing, as if they were your own.
RMIT University treats plagiarism as a very serious offence constituting misconduct.
Plagiarism covers a variety of inappropriate behaviours, including:

1. Failure to properly document a source
2. Copyright material from the internet or databases
3. Collusion between students

For further information on our policies and procedures, please refer to the University website.

# Assessment declaration

When you submit work electronically, you agree to the assessment declaration.