

# COSC2196

## Introduction to Information Technology

### Assessment 1: My Profile



Assessment Type:

Word limit: N/A



Due date: Sunday of Week 3, 11:59PM (AEST)



Weighting: 10%

### 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

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.

#### 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 an initial document covering all of the different areas listed above (and detailed below), to be then formatted and presented as a website hosted on GitHub Pages.

#### Specifications

##### Personal Information

Include your name, student number, email address, 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.
- 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.

For this assignment, you need to write approximately 1,000 words about your project idea.

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 doesn't have to be re-inventing the wheel - but isn't to be effectively cloning an existing product or service. There is to be a strong sense of grounding, so in terms of the feasibility of your ideas for an IT project it should be able to be produced within the next ~5 years of technology progression at most (nothing Sci-Fi).

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 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?

## Referencing guidelines

Use Harvard Referencing Style for this assessment if appropriate.

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.

## Submission format

Upload as one (1) single PDF or TXT file to Canvas via the link on the Assignment page.

Include Name, Student ID, GitHub Repository URL, GitHub Pages URL in the Submission PDF/TXT.

## 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](#).



## 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](#).



	<b>Exemplary &gt;80%</b>	<b>Accomplished 80-60%</b>	<b>Developing 60-50%</b>	<b>Beginning &lt;50%</b>
<b>Personal Profile 5 Marks</b>	<b>5-4 Marks</b>  You have included all the relevant information about yourself, including an interesting fact communicated in a compelling manner.	<b>4-3 Marks</b>  You have included all relevant information about yourself	<b>3-2.5 Marks</b>  You have all information, but there is more needed to give the relevant background.	<b>2.5-0 Marks</b>  Your information is not contextualised or missing and does not inform the reader very well.
<b>Interest in IT 10 Marks</b>	<b>10-8 Marks</b>  You have answered all of the questions in detail. Your answers clearly show your interest in IT and showcase a depth of understanding of the tooling.	<b>8-6 Marks</b>  You have answered all of the questions comprehensively. Your answers show your personal interest in IT.	<b>6-5 Marks</b>  You have answered all of the questions well. Your answers show some aspect of your interest in IT. More detail is needed in some aspects of your answers.	<b>5-0 Marks</b>  Your answers haven't given a clear picture of your interest in IT. More detail is needed in several aspects of your answers.
<b>Ideal Job 25 Marks</b>  Note: Make sure to include a cropped screenshot image of your desired job, as links have a tendency to expire and be taken down when the positions are filled.	<b>25-20 Marks</b>  You have clearly identified your ideal job and what makes it attractive to you. You have clearly and accurately described all of the skills, qualifications and experience needed in depth, and related these to your own experiences and skills to date. You have given a clear and appropriate plan to achieve the necessary skills, qualifications and experience to achieve your objectives.	<b>20-15 Marks</b>  You have identified your ideal job and what makes it attractive to you. You have clearly and accurately described all of the skills, qualifications and experience needed, and related these to your own. You have given an appropriate plan to achieve the necessary skills, qualifications and experience.	<b>15-12.5 Marks</b>  You have identified your ideal job. You have described all aspects of what makes it attractive to you. You have somewhat adequately described the skills, qualifications and experience needed, however have not given an appropriate plan to achieve these. You have provided both a link to the advertised position on a job site along with a high-resolution screenshot of the role.	<b>12.5-0 Marks</b>  You have not identified your ideal job, nor described what makes it attractive to you. You have not adequately described the skills, qualifications and experience needed, and have not given an appropriate plan to achieve these. A link to the advertised position on a job site along with a high-resolution screenshot of the desired role in your page.

<b>Profile</b> <b>20 Marks</b>  <p>Note: While the Myers-Briggs personality test <a href="https://www.16personalities.com/">[https://www.16personalities.com/]</a> can or should be taken with a grain of salt, these are still widely used in interviews so exposure and familiarity is part of the learning objective.</p>	<b>20-16 Marks</b>  <p>Your profile includes all three test results, and a clear and appropriate description of your interpretation of the test results. You have clearly described how your profile results may affect your behaviour in a team, and how this should be taken into account when forming a team. You have provided a critique of your interpretation of the validity of the results.</p>	<b>16-12 Marks</b>  <p>Your profile includes all three test results, and an appropriate description of your interpretation of them. You have described how your profile results may affect your behaviour and integration within a team, and how this should be taken into account when forming a team.</p>	<b>12-10 Marks</b>  <p>Your profile includes the three required results. Your description of your interpretation of the results requires some more work, and it is not clear how you would take these into account when forming a team.</p>	<b>10-0 Marks</b>  <p>Your profile lacks the necessary results. Your description of your interpretation is inadequate, and it is not clear how you would take these into account when forming a team.</p>
<b>Project Ideas</b> <b>30 Marks</b>  <p>Note: Project ideas will constitute a major learning objective in the subsequent assignments when grouped with team members; and high quality work in this aspect of the report will most likely substantially reduce workload later on in the semester. Thinking of implementing deliverables even at this stage is strongly encouraged.</p>	<b>30-24 Marks</b>  <p>You have clearly described what your project will do in a coherent and easy to interpret manner. Your description includes all of the 6 relevant aspects to an excellent standard, each of which being well described within the approximate word length limits. You have provided an in depth elaboration of the specific technical requirements of how you would plan to implement the idea justified with appropriate reference material.</p>	<b>24-18 Marks</b>  <p>You have described what your project will do. Your description includes all of the 6 relevant aspects, each of which is described within the approximate word length limits. You have provided an in-depth portrayal of how you envision accomplishing this idea.</p>	<b>18-15 Marks</b>  <p>You have described the aspects of your project, but there are several aspects that require more work. The ones that have been appropriately described have done so with consideration towards the approximate word limits.</p>	<b>15-0 Marks</b>  <p>Your project has not been described very well. There are descriptions lacking in detail or have not been adequately described while considering the approximate word limits. Other issues could be present, such as your project lacking originality or innovative elements, a grounding in technological reality.</p>



<b>Presentation 10 Marks</b>	<b>10-8 Marks</b>	<b>8-6 Marks</b>	<b>6-5 Marks</b>	<b>5-0 Marks</b>
<p>Note: Whether using and modifying the likes of HTML5up! Templates or creating your own design from scratch.</p> <p>- If using Jekyll there needs to be substantial presentation improvements.</p> <p>This assessment is used to expose students to basic HTML/CSS, simply using GitHub Pages Jekyll templates will limit available marks.</p>	<p>Your website looks clean and professional, and uses the appropriate font, colours and backgrounds. You've sectioned or paginated your website and further . You have included at least one image of yourself and other relevant visual elements.</p> <p>Via own design, HTML templates or an amalgamation.</p>	<p>Your website looks good, but lacks some final polish, and needs a little more care in a few places.</p> <p>You've sectioned and sub-sectioned areas of the profile with consideration to the users experience.</p> <p>Well implemented HTML design format elements. Headings, Sub-Headings, Lists, Images. Links and other appropriate formatting elements.</p>	<p>Your website looks quite good with reasonable design elements implemented, but the choices of fonts, colours, backgrounds, images, may need more work and review.</p> <p>Appropriate implementation of Headings, Sub-Headings, and other formatting elements.</p>	<p>Your website needs some significant work to make it look reasonable.</p> <p>Important to section out your different aspects of the website.</p> <p>HTML/CSS design choices and colour scheme were not appropriate.</p> <p>OR</p> <p>A GitHub Pages Jekyll Template was used.</p> <p>No public GitHub Pages link supplied.</p> <p><i>[your_username].github.io/[your_reponame]</i></p>