



MODULE NAME:	MODULE CODE:
IT PROFESSIONAL PRACTICE	ITPP5112/p/w

ASSESSMENT TYPE: ASSIGNMENT 2 (PAPER AND MARKING RUBRICS)

TOTAL MARK ALLOCATION: 100 MARKS

TOTAL HOURS: 10 HOURS

By submitting this assignment, you acknowledge that you have read and understood all the rules as per the terms in the registration contract, in particular the assignment and assessment rules in The IIE Assessment Strategy and Policy (IIE009), the intellectual integrity and plagiarism rules in the Intellectual Integrity and Property Rights Policy (IIE023), as well as any rules and regulations published in the student portal.

INSTRUCTIONS:

1. ***No material may be copied from original sources, even if referenced correctly, unless it is a direct quote indicated with quotation marks. No more than 10% of the assignment may consist of direct quotes.***
2. ***Your assignment must be submitted through Arc.***
3. ***Save a copy of your assignment before submitting it.***
4. ***Assignments must be typed unless otherwise specified.***
5. ***All work must be adequately and correctly referenced.***
6. ***This is a group assignment.***
7. ***For group assignments, the group may not exceed five members.***
8. ***For group assignments, a peer evaluation component is required, and members of the group may not receive the same final mark.***

Referencing Rubric

Providing evidence based on valid and referenced academic sources is a fundamental educational principle and the cornerstone of high-quality academic work. Part of achieving this quality is referencing in a way that is consistent and congruent with the requirements of the referencing style being used.

Therefore, inconsistent and/or incongruent referencing will result in a penalty of **a maximum of ten percent being deducted from the overall percentage** awarded to your assessment submission.

Please note that **evidence of plagiarism** in the form of copied or unreferenced work, absent reference lists, or exceptionally poor referencing **may result in action being taken in accordance with The IIE's Intellectual Integrity and Property Rights Policy (IIE023)**. Similarly, **evidence of excessive AI usage may result in action being taken in accordance with The IIE's Student Conduct, Discipline and Safety Policy (IIE015)**.

Markers are required to provide feedback to students by **circling/underlining the information in the table below that best describes the student's work and by adding constructive commentary where appropriate**. The examples provided are not exhaustive but illustrate the errors.

Deductions

- Where the student's work contains **five or more errors** aligned to the **minor errors column** below, **deduct 5% from the overall percentage**.
- Where the student's work contains **five or more errors** aligned to the **major errors column** below, **deduct 10% from the overall percentage**.
- Where both minor and major errors** (e.g. two minor and three major, etc.) are present, **deduct 10% only** (and not 5% or 15%) from the overall percentage.

Required: Consistent and congruent referencing	Minor errors Deduct 5% from overall percentage. Example: if the response receives 70%, deduct 5%. The final mark is 65%.	Major errors Deduct 10% from the overall percentage. Example: if the response receives 70%, deduct 10%. The final mark is 60%.
Consistency <ul style="list-style-type: none"> The correct referencing style for the discipline – i.e., either Harvard, OR APA (for Psychology), OR Law, OR IEEE (for ICT/Engineering) – has been used consistently for all in-text references and in the bibliography/reference list. Concepts and ideas that are quoted and/or paraphrased are referenced consistently throughout. Position of the in-text reference: an in-text reference is positioned consistently where appropriate for every quote and paraphrase. 	Minor inconsistencies: <ul style="list-style-type: none"> The referencing style used is generally consistent with what is required, but there are one or two changes/errors in the format of in-text referencing and/or in the bibliography/reference list. For example, page numbers for direct quotes in-text have been provided for one source, but not in another. Or, two book chapters in the bibliography/reference list have been referenced in two different formats. Or, the publication year has been placed after the author name in one bibliography/reference list entry, and after the source title in another, etc. Concepts and ideas in quotes and/or paraphrases are typically referenced, but a full in-text reference is missing or incomplete from one or two small sections of the work. Position of the references: in-text references are only given at the beginning and/or end of every paragraph. 	Major inconsistencies: <ul style="list-style-type: none"> Poor and wholly inconsistent referencing style used in-text and/or in the bibliography/reference list. Multiple referencing styles for the same source types have been used. For example, the format for direct quotes in-text and/or book chapters in the bibliography/reference list and/or year of publication in the bibliography/reference list is different across multiple instances. Concepts and ideas in quotes and/or paraphrases are haphazardly referenced in-text. Position of the references: in-text references are only given at the beginning or end of large sections of work.
Feedback on referencing consistency:		
Congruency <ul style="list-style-type: none"> Each source reflected within in-text references is included accurately in the bibliography/reference list. All bibliography/reference list entries are in the required order for the referencing style used (e.g. alphabetical, alphabetical under subheadings, numerical). All direct quotes and paraphrases have been integrated appropriately into the text using introductory phrases, accurate grammar, etc. 	Minor incongruities: <ul style="list-style-type: none"> There is largely a match between the sources presented in-text and those in the bibliography/reference list, but one or two sources that appear in-text do not appear in the bibliography/reference list, or vice versa. Or key source information is missing from one or two in-text references or bibliography/reference list entries only (e.g. publication year, city of publication, URL date accessed, etc.). There is a clear and largely accurate ordering of sources in the bibliography/reference list as required by the referencing style used, but with one or two references out of order. An attempt has been made for source integration into the text using appropriate introductory phrases and grammar, but one or two quotes or paraphrases do not flow as clearly or logically within the sentence structure as they could. 	Major incongruities: <ul style="list-style-type: none"> No relationship/several incongruities between the in-text referencing and the bibliography/reference list. For example, multiple sources are included in-text, but not in the bibliography, and/or vice versa. Key source information is missing from multiple in-text references and/or reference list entries. A URL link, rather than the actual reference, is provided in the bibliography. Sources are repeated in the reference list, etc. Most sources are listed in a haphazard order throughout the bibliography/reference list. Few to no appropriate introductory phrases or rules of grammar have been applied, and many direct quotes and/or paraphrases feel disconnected from the flow of the text.
Feedback on referencing congruency:		
Overall feedback on referencing, with suggested improvements:		

Assignment Topic**(Marks: 100)**

Read the instructions for each question carefully.

This assignment contains three questions that cover learning units 1 to 4 and will require you to work both individually and in a group for different questions. Please ensure that you complete all questions:

- Question 1- Group
 - Plan a prototype
 - Create tasks on a project management tracking tool
 - Create wireframes
 - Video presentation
 - Write a short report
- Question 2 – Group
 - Written proposal
 - PowerPoint presentation
- Question 3 – Individual
 - Peer evaluation

It is important to read the rubric provided as an attachment to this document, as it will inform you how marks will be awarded, as well as what is considered meeting the objectives of the assignment, which will give a 50% pass or exceeding the objectives, which will allow for more marks to be awarded.

Submission Instructions:

You will need to submit a single PDF document on *arc* with the layout detailed below:

- A cover page that includes your team's full names and student numbers.
- Question 1, which includes:
 - Screenshots of your tasks on your project management tracking tool and Figma designs
 - Link to your tasks on the project management tracking tool used and Figma designs
 - The YouTube link to your video presentation
 - The report on copyright and licensing

- Question 2, which includes:
 - Written proposal
 - PowerPoint presentation
- Question 3 which includes the peer evaluation for all group members.
- A reference list/bibliography

Question 1**(Marks: 50)**

Your team has been asked to design the prototype (wireframes) for a coffee-ordering mobile application that has the following features:

- A user should be able to log in with a username, password, GitHub, or Google, and should be directed to a screen that contains images of at least five different types of coffee.
- A user should be able to click on an image and be taken to a new screen that allows the user to order the coffee by displaying the price of the coffee and asking for:
 - The delivery address
 - The delivery date
 - A payment method on a payment gateway.
- Finally, the app should display an “order complete” screen confirming the order details.
- Research the Apache and Massachusetts Institute of Technology (MIT) licensing modules and decide on a software license for your potential software.

Q.1.1	<p>You are required to work in a group and plan group tasks to complete this project. A part of task-based group work is how to organise yourself. You can use any project management tracking tool which will allow you to create, assign, and track tasks per group member. Break this application prototype into smaller tasks. Create tasks, assign users, and start tracking. You will need to submit:</p> <ul style="list-style-type: none"> • Screenshots of your original tasks assigned. • Screenshots of status updates and the completion of tasks. • Screenshots of when the tasks are complete. • Provide a link to your project on the project management tracking tool. 	(15)
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Q.1.2	<p>Your team will make use of Figma or any wireframe application to design this prototype. Wireframes (user interfaces) take a potential client through the functionality of the app without the need for code. Make use of Figma to create the application specified above: https://www.figma.com/</p> <p>Provide screenshots and a link to your wireframes.</p>	(15)
Q.1.3	<p>You are required to pitch your prototype to prospective clients. Create a video presentation where you take the user through your wireframe prototype, detailing every feature, explaining how the feature works, and how you plan to implement the application or use the infographic.</p> <p>You are required to upload this video presentation to YouTube and submit the link of your YouTube video as part of your assignment so that your lecturer can mark your presentation. Your video presentation must be uploaded on YouTube as an unlisted video.</p>	(10)
Q.1.4	<p>It is important to consider the copyright and licensing of your artefacts and software. Write a short report (±400 words) detailing the following:</p> <ul style="list-style-type: none"> • What intellectual property is, and how it applies to your prototype. • The type of copyright and license you will apply to this prototype. 	(10)

Question 2**(Marks: 45)**

A leading hospital has suffered a ransomware attack, crippling its IT systems. Patient records, appointment schedules, and medical devices linked to the hospital's network are all affected. The ransomware demands an exorbitant payment for decrypting the data, leaving the hospital struggling to maintain operations while ensuring patient care and safety. Your team represents a cybersecurity company competing to win the tender for implementing a solution to address this crisis and is required to do the following:

- Develop a comprehensive written proposal to resolve the ransomware issue in the hospital's IT system.
- Design a presentation to present to the hospital's board of directors.

Your solution should focus on the immediate response to the crisis, long-term prevention strategies, and the integration of technical, legal, ethical, and operational considerations. It should be creative and innovative and integrate knowledge from previous learning units.

Q.2.1	<p>Your team is required to develop a detailed written proposal addressing the following aspects:</p> <ul style="list-style-type: none"> • Your company name. • A brief introduction into cybercrime and fraud in the 21st century. • Describe the role of your team as IT professionals in dealing with cybersecurity in an organisation and why you should be tasked with this project. • Ethical elements and codes of conduct that prevent cybercrime and enforce cybersecurity. • The different stakeholders involved. • How did the ransomware enter the hospital's IT system? The possible loopholes. • Recommend immediate actions to contain the ransomware and restore essential services. • Suggest strategies for removing the ransomware without paying the ransom and how the hospital can continue functioning safely while resolving the crisis. 	(30)
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	<ul style="list-style-type: none"> Evaluate the potential impact of turning off infected systems on hospital operations. Propose rules your team will implement to prevent this from happening again. Include ethical and legal practices, codes of conduct, and compliance with cybersecurity standards. 	
Q.2.2	Create a professional PowerPoint presentation summarising your proposal to the hospital board. Your presentation must be a maximum of seven slides.	(15)

Question 3**(Marks: 5)**

This is an individual task that requires you to complete the following:

Complete a peer evaluation report.

Marking Guideline:

- Refer to APPENDIX A for the peer evaluation form.
- The form must be completed for each member of the group and returned to the lecturer before or on submission day.
- The appendix is provided at the end of the assignment.

[TOTAL MARKS: 100]

APPENDIX A – PEER EVALUATION

This peer evaluation form must be completed for each member of the group and returned to the lecturer before or on the submission date.

GROUP NAME/NUMBER: _____

DATE: _____

Please rate each of your project team members using the following scale detailed in the assessment criteria descriptions provided.

Marks received from each member of the team will be added up and then averaged.

Each team member must have a separate evaluation form completed.

Name of student being evaluated:	Never	Seldom	Frequently	Always
	0	1/2	1	2

The student's personal work

1.	The student contributed good ideas that added value to the project and produced high-quality work.				
2.	The student performed their tasks in line with what was expected of them.				
3.	The student managed their own time well and met deadlines.				

The student's work as part of a team (when relevant)

4.	The student accepted responsibility for a fair portion of the tasks and was an enthusiastic member of my team.				
5.	The student helped others to be successful and worked well with other members of the team.				

WEIGHTING **10/2**

TOTAL **/5**

Comments:

Name: _____ **Signature:** _____

Please note: Attach this rubric to your work when you submit your **Assignment**. This information needs to be included in the online submission.

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STUDENT NAME:	
STUDENT NUMBER:	

Question 1			
Marking Criteria	Does not meet the required standard (0% - 49%)	Meets the required standard (50% - 74%)	Exceeds the required standard (75% - 100%)
Q.1.1 Project Management Tracking [15 Marks]	<ul style="list-style-type: none"> No tasks are created (0). Tasks are not broken up well. Tasks are not assigned well. No real group work present. 	<ul style="list-style-type: none"> The tasks are adequately broken up and assigned to group members. Progression through the tasks is evident. Group work is evident. 	<ul style="list-style-type: none"> Additional effort is taken to break down the tasks and create Kanban.
	0 – 5 Marks	6 – 9 Marks	10 – 15 Marks
Q.1.2 Wireframes for all screens in app [15 Marks]	<ul style="list-style-type: none"> No wireframes submitted (0). The wireframes are of poor quality or incomplete. 	<ul style="list-style-type: none"> Good quality wireframes that represent all the required features. 	<ul style="list-style-type: none"> Additional effort is taken to produce exceptional, professional wireframes that include all the necessary features.
	0 – 5 Marks	6 – 9 Marks	10 – 15 Marks
Q.1.3 Video Presentation	<ul style="list-style-type: none"> No video submitted (0). The video does not cover all the features of the application/infographic and is unstructured. The video is unprofessional and lacks detail. 	<ul style="list-style-type: none"> A well-structured video that covers all the features of the app is provided. A good level of professionalism is followed in the video. 	<ul style="list-style-type: none"> Additional effort is taken to provide an exceptional video that covers all the features as well as contains additional elements such as music, etc.
	0 – 3 Marks	4 – 6 Marks	7 – 8 Marks

[8 Marks]			
Q.1.3 Video uploaded to YouTube	<ul style="list-style-type: none"> Not uploaded. 	<ul style="list-style-type: none"> Uploaded but private or not found with URL. 	<ul style="list-style-type: none"> Uploaded as unlisted, easily accessible.
[2 Marks]	0 Marks	1 Marks	2 Marks
Q.1.4 Licensing and Copyright report	<ul style="list-style-type: none"> No report provided (0). Incomplete explanation of Intellectual Property (IP) and licensing provided. 	<ul style="list-style-type: none"> Good explanation of IP and how it applies to the prototype. Good explanation as to the differences between the MIT and Apache license and the choice for future software. 	<ul style="list-style-type: none"> An exceptionally detailed explanation of IP and how it relates to the prototypes is applied. Additional effort is taken to explain the differences between the two license types and which to apply is provided and motivated for the role.
[10 Marks]	0 – 4 Marks	5 – 7 Marks	8 – 10 Marks

Question 2			
Marking Criteria	Does not meet the required standard (0% - 49%)	Meets the required standard (50% - 74%)	Exceeds the required standard (75% - 100%)
Q.2.1 Written Report [30 Marks]	<ul style="list-style-type: none"> Omitted Brief incomplete information is provided. 	<ul style="list-style-type: none"> Technical understanding of ransomware and system vulnerabilities. Analysis of the hospital's situation and its stakeholders. Proposal for immediate and long-term solutions. Justification of solutions with ethical and legal insights. 	<ul style="list-style-type: none"> There is clear evidence of additional research and effort on the part of the student. Integration of knowledge from previous learning units. A well-structured document covering all points.
	0 – 9 Marks	15 – 24 Marks	25 – 30 Marks
Q.2.2 PowerPoint presentation [15 Marks]	<ul style="list-style-type: none"> Not PowerPoint (0). The PowerPoint contains only the title and no information. 	<ul style="list-style-type: none"> A well-formulated presentation that contains a good summary of the proposal. 	<ul style="list-style-type: none"> Presentation professionalism that provides clarity and creativity. There is clear evidence of additional research and effort on the part of the student.
	0 – 2 Marks	6 – 9 Marks	10 - 15 Marks

Question 3			
Marking Criteria	Does not meet the required standard (0% - 49%)	Meets the required standard (50% - 74%)	Exceeds the required standard (75% - 100%)
Q.3.1 Peer Evaluations [5 Marks]	<ul style="list-style-type: none"> Omitted. 	<ul style="list-style-type: none"> Peer evaluation for certain group members. 	<ul style="list-style-type: none"> Peer evaluations for all members of the group.
	0 Marks	3 Marks	5 Marks
SUBTOTAL			/100
REFERENCING DEDUCTIONS			
FINAL MARK			/100

[TOTAL MARKS: 100]