



MODULE NAME:	MODULE CODE:
OPEN SOURCE CODING (INTRODUCTION)	OPSC7311

ASSESSMENT TYPE: POE (PAPER)

TOTAL MARK ALLOCATION: 300 MARKS

TOTAL HOURS: A minimum of 35 HOURS is suggested to complete this assessment

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:

- 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.***
- Please ensure that you submit your assignment through SafeAssign.***
- Make a copy of your assignment before handing it in.***
- Assignments must be typed unless otherwise specified.***
- Begin each section on a new page.***
- Follow all instructions on the PoE cover sheet.***
- This is a group assignment. Groups should be maximum of 4 students.***

ACADEMIC HONESTY DECLARATION

Please complete the Academic Honesty Declaration below.

Please note that your assessment will not be marked, and you will receive 0% if you have not completed ALL aspects of this declaration.

Declaration

	SIGN
I have read the assessment rules provided in this declaration.	
This assessment is my own work.	
I have not copied any other student's work in this assessment.	
I have not uploaded the assessment question to any website or App offering assessment assistance.	

I have not downloaded my assessment response from a website.	
I have not used any AI tool without reviewing, re-writing, and re-working this information, and referencing any AI tools in my work.	
I have not shared this assessment with any other student.	
I have not presented the work of published sources as my own work.	
I have correctly cited all my sources of information.	
My referencing is technically correct, consistent, and congruent.	
I have acted in an academically honest way in this assessment.	

Referencing Rubric

Providing evidence based on valid and referenced academic sources is a fundamental educational principle and the cornerstone of high-quality academic work. Hence, The IIE considers it essential to develop the referencing skills of our students in our commitment to achieve high academic standards. Part of achieving these high standards is referencing in a way that is consistent, technically correct and congruent. This is not plagiarism, which is handled differently.

Poor quality formatting in your referencing will result in a penalty **of a maximum of ten percent being deducted from the percentage awarded**, according to the following guidelines. Please note, however, that **evidence of plagiarism in the form of copied or uncited work (not referenced), absent reference lists, or exceptionally poor referencing, may result in action being taken in accordance with The IIE's Intellectual Integrity Policy (0023).**

Markers are required to provide feedback to students by indicating **(circling/underlining) the information that best describes the student's work.**

Minor technical referencing errors: 5% deduction from the overall percentage – the student's work contains **five or more errors** listed in the minor errors column in the table below.

Major technical referencing errors: 10% deduction from the overall percentage – the student's work contains **five or more errors** listed in the major errors column in the table below.

If both minor and major errors are indicated, then 10% only (and not 5% or 15%) is deducted from the overall percentage. The examples provided below are not exhaustive but are provided to illustrate the error

<u>Required:</u> Technically correct referencing style	<u>Minor errors in technical correctness of referencing style</u> Deduct 5% from percentage awarded	<u>Major errors in technical correctness of referencing style</u> Deduct 10% from percentage awarded
<u>Consistency</u> <ul style="list-style-type: none"> The same referencing format has been used for all in-text references and in the bibliography/reference list. 	Minor inconsistencies. <ul style="list-style-type: none"> The referencing style is generally consistent, but there are one or two changes in the format of in-text referencing and/or in the bibliography. For example, page numbers for direct quotes (in-text) have been provided for one source, but not in another instance. Two book chapters (bibliography) have been referenced in the bibliography in two different formats. 	Major inconsistencies. <ul style="list-style-type: none"> Poor and inconsistent referencing style used in-text and/or in the bibliography/ reference list. Multiple formats for the same type of referencing have been used. For example, the format for direct quotes (in-text) and/or book chapters (bibliography/ reference list) is different across multiple instances.
<u>Technical correctness</u> <ul style="list-style-type: none"> Referencing format is technically correct throughout the submission. The correct referencing format for the module's discipline has been used, i.e., either APA, OR Harvard OR Law. Position of the reference: a reference is directly associated with every concept or idea. For example, quotation marks, page numbers, years, etc. are applied correctly, sources in the bibliography/reference list are correctly presented. 	Generally, technically correct with some minor errors. <ul style="list-style-type: none"> The correct referencing format has been consistently used, but there are one or two errors. Concepts and ideas are typically referenced, but a reference is missing from one small section of the work. Position of the references: references are only given at the beginning or end of every paragraph. For example, the student has incorrectly presented direct quotes (in-text) and/or book chapters (bibliography/reference list). 	Technically incorrect. <ul style="list-style-type: none"> The referencing format is incorrect. Concepts and ideas are typically referenced, but a reference is missing from small sections of the work. Position of the references: references are only given at the beginning or end of large sections of work. For example, incorrect author information is provided, no year of publication is provided, quotation marks and/or page numbers for direct quotes missing, page numbers are provided for paraphrased material, the incorrect punctuation is used (in-text); the bibliography/reference list is not in alphabetical order, the incorrect format for a book chapter/journal article is used, information is missing e.g. no place of publication had been provided (bibliography); repeated sources on the reference list.
<u>Congruence between in-text referencing and bibliography/ reference list</u> <ul style="list-style-type: none"> All sources are accurately reflected and are all accurately included in the bibliography/ reference list. 	Generally, congruence between the in-text referencing and the bibliography/ reference list with one or two errors. <ul style="list-style-type: none"> There is largely a match between the sources presented in-text and the bibliography. For example, a source appears in the text, but not in the bibliography/ reference list or vice versa. 	A lack of congruence between the in-text referencing and the bibliography. <ul style="list-style-type: none"> No relationship/several incongruencies between the in-text referencing and the bibliography/reference list. For example, sources are included in-text, but not in the bibliography and vice versa, a link, rather than the actual reference is provided in the bibliography.
<u>In summary:</u> the recording of references is accurate and complete.	In summary, at least 80% of the sources are correctly reflected and included in a reference list.	In summary, at least 60% of the sources are incorrectly reflected and/or not included in reference list.

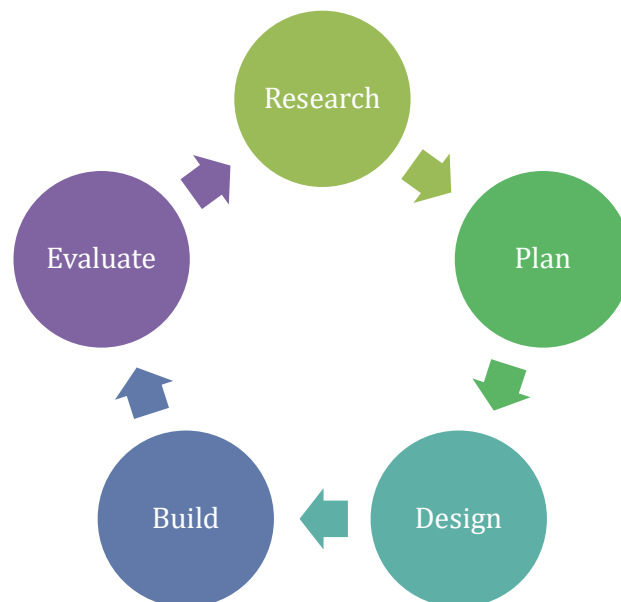
Overall Feedback about the consistency, technical correctness and congruence between in-text referencing and bibliography:

Background

This portfolio of evidence comprises of 2 tasks and the finalisation of your POE, each of which takes you through the process of conceptualising, designing, and building a mobile app.

You need to create a **time-tracking app** that allows the user to **record** and **view** the **time** that they spend working on **client projects**.

To be able to create the app you will need to use all the techniques you learnt during this course as well as doing your own research on how to complete some of the tasks required of you. It is also critical that you approach the project in a methodical and planned manner. For this reason, the project will follow a Research – Plan – Design – Build – Evaluate cycle:



This POE will run for one full cycle. After one full cycle, you can always restart the process to further refine your app.

The different phases of the cycle will be related to the different tasks as follows:

Task 1: Research, Planning and Design

Task 2: Build

Final POE: Build and Evaluate

Instructions

Each of the below tasks builds on top of one another. Be sure to complete or update one part before moving on to the next task. Each task will be individually assessed by your lecturer, and feedback for each task will be provided.

The exact features, design and layout of your app is up to you. Remember that time tracking is something that professional people often need to do, but it isn't something that they enjoy doing. So, the app must be **appealing** and **easy to use** to be successful. A user will often work on the same task over multiple days. Think about how to make it easy to continue working on the same task.

Consider adding some **gamification** features to the app to make it more fun.

In the final submission, the app must be able to complete the **at least** following tasks:

- The user must be able to **log in** to the app using a username and password.
- The user must be able to create **categories** that the timesheet entries will belong to.
- The user must be able to **create a timesheet entry**, specifying at least the date, start and end times, description, and category.
- The user must be able to optionally add a **photograph** to each timesheet entry.
- The user must be able to set a **minimum** daily goal for hours worked, as well as a **maximum** daily goal.
- The user must be able to view the **list** of all the timesheet entries created during a **user selectable period**. If a **photo** was stored for an entry, the user must be able to **access** it from this list.
- The user must be able to view the **total number** of hours spent on each **category** during a **user selectable period**.
- The user must be able to view a **graph** showing the **total hours worked** each day over a user selectable period. The graph must also display the **minimum and maximum goals** (final POE only).
- The app must display in a **visual format** how well the user is doing with staying between their minimum and maximum hour **goals** over the past month (final POE only).
- The data must be stored in an **online database** (final POE only).

These features are the **minimum** that's required for the final submission. Your app also needs to work logically and be easy to use. And you will add your own features for the final POE submission.

The tasks will be evaluated according to the **rubrics** at the end of the document. Make sure that you understand what is expected by reading carefully through these rubrics!

Part 1 — Research, Planning and Design

(Marks: 100)

Learning Units 1 to 3

At the end of this specific part, students should be able to:

- *Create a new app;*
- *Use images in an app;*
- *Apply layouts to the user interface of an app;*
- *Use the TextView and ImageView controls in an app.*

This task is composed of two sections, weighted equally:

- Research
- Planning and design

It is recommended that you create two separate documents for the submission.

Research

(Marks: 50)

For this task, you are required to research three existing time tracking (also called timesheet) apps that are available for the Android operating system. You will need to present your findings in the form of a typed PDF document (1500 to 2000 words), containing the following sections:

1. Introduction
2. Research on each of the apps including:
 - a. Overview of the app, including screenshots with descriptions
 - b. Strengths and weaknesses of the app
 - c. Innovative features of the app
3. A visual (infographic) comparison of all three apps
4. A list of the best features from all the apps that you want to include in your app

5. Conclusion
6. References

Make sure you **reference** correctly for this task. See the referencing rubric at the beginning of this document. You are required to reference **multiple sources** for **each app** that you are researching, to ensure that you have a **balanced view** of the app.

Make sure that the infographic is sized so that the text is readable.

Make sure that the size of the PDF file does not exceed 10MB, since this document must be submitted through SafeAssign.

Planning and Design

(Marks: 50)

For this task, you will need to fully design your app. The purpose of this task is to ensure you know exactly what you need to build and how you will build it before you start with the implementation of the prototype.

The design needs to link back to the research since the purpose of the research is to inform the design.

You will need to present your design as a typed PDF document (1000 to 1500 words) with the following sections:

- Introduction
- A brief **overview** of the app, including a **name** for the app, an initial **icon design**, and a **description** of the **innovative features** that you are planning to include.
- A **detailed list** of the **requirements** for the app. The requirements must include all the minimum requirements from this document, but you must elaborate on each of those requirements rather than just copying them. Remember to add your own features that you want to include, for example, gamification. The requirements must be detailed enough for someone else to be able to build your app by just reading this document!
- **User interface design** including a **mockup** for **each screen**, a **description** of the purpose of the screen, and a **diagram** showing how the user navigates between the various screens.

- **Project plan** detailing deadlines and milestones for the project, in the format of a **Gantt chart**. Break down the tasks into **smaller tasks** than just “implement the prototype”. Include some time for testing and bug fixing.
- Conclusion
- References

Part 2 — App Prototype Development

(Marks: 100)

Learning Units 1 to 4

At the end of this specific part, students should be able to:

- Apply layouts in an app.
- Use the `EditText`, `NumberFormat` and `SeekBar` in an app.
- Apply event handling in an app.
- Create an activity.
- Apply an intent in an application.

For this task, you will need to build a fully working prototype. This prototype needs to include all the features listed in the **instructions** section of this document but based on your own design and user interface layout.

You must create a **demonstration video** showing the prototype running in an **emulator**. For the video, make sure that you show the app performing the following functions:

- The user must be able to **log in** to the app using a username and password.
- The user must be able to create **categories** that the timesheet entries will belong to.
- The user must be able to **create a timesheet entry**, specifying at least the date, start and end times, description, and category.
- The user must be able to optionally add a **photograph** to each timesheet entry.
- The user must be able to set a **minimum** daily goal for hours worked, as well as a **maximum** daily goal.
- The user must be able to view the **list** of all the timesheet entries created during a **user selectable period**. If a **photo** was stored for an entry, the user must be able to **access** it from this list.

- The user must be able to view the **total number** of hours spent on each **category** during a **user selectable period**.

The **demonstration video** must effectively demonstrate the features of the app and be fully **professional**. The video must include a **voice over** explaining what you are showing. Remember to **compress** the video to make uploading it to Learn easier and faster.

The app must have a user-friendly and **appropriate user interface**, that can handle **invalid inputs** made by the user without crashing. The app must be working with only **minor bugs** and errors.

Submit the following:

- Zipped copy of your **source code** including all the Android Studio project files
- **Demonstration video**

Portfolio of Evidence (POE) — Final App Development

(Marks: 100)

All learning units

At the end of this specific part, students should be able to:

- *Create a Firebase database.*
- *Create code to read data from the Firebase database.*
- *Create code to write data to the Firebase database.*

The final app needs to run on a **mobile phone** and not an emulator. This means that you need to **plan well in advance** to record the required video on a mobile phone if you don't own an Android phone yourself.

Remember to implement your lecturer's feedback on the prototype before adding the new features. Pay special attention to the feedback on the user interface. Marks will be awarded for that again in this part, so you now have the opportunity to improve on what you did before.

For the final submission of the app, you need to include the following features, that were not required for the prototype:

- The user must be able to view a **graph** showing the **total hours worked** each day over a user selectable period. The graph must also display the **minimum and maximum goals** (final POE only).
- The app must display in a **visual format** how well the user is doing with staying between their minimum and maximum hour **goals** over the past month (final POE only).
- The data must be stored in an **online database** (final POE only).

In addition to these features, you must have:

- **Your features** as described in your design document. You must include at least **two** of your features. **Document** your two features in a **readme file** so your lecturer knows what to look out for.
- An **app icon** and final **image assets**.

You must create a **demonstration video** that effectively demonstrates the features of the app running on a **mobile phone** and it must be fully **professional**. The video must include a **voice over** explaining what you are showing, and it must show that the data is **stored online**. Remember to **compress** the video to make uploading it to Learn easier and faster.

Tip: OBS (Open Broadcaster Software) is free and open-source software that allows great flexibility for adding audio to a video recorded with a screen recorded on your phone!

Submit the following:

- Zipped copy of the **source code** including all the Android Studio project files
- A copy of your **research** and **design documents** as submitted in part 1
- A **readme file** briefly explaining your **own features** that you added to the app
- **Demonstration video**

Assessment Sheet (Marking Rubric)

Please note: Tear off this section and **attach** it to your work when you submit it/ If this is an online submission, then this information needs to be included in the online submission.

MODULE NAME:	MODULE CODE:
OPEN SOURCE CODING (INTRODUCTION)	OPSC7311

STUDENT NAME:
STUDENT NUMBER:

Marking Criteria	Does not meet the required standard	Meets the required standard	Partially exceeds the required standard	Greatly exceeds the required standard	Feedback
PART 1					
Research: Introduction [5 Marks]	<ul style="list-style-type: none"> No introduction included. Introduction does not link to the rest of the document. 	<ul style="list-style-type: none"> Acceptable and links to the rest of the document but does not explain the purpose of the research. 	<ul style="list-style-type: none"> Acceptable and links to the rest of the document with some details about the purpose of the research. 	<ul style="list-style-type: none"> An excellent introduction that explains the purpose of the research and the sections included in the document. 	
	0 – 1 Marks	2 – 3 Marks	4 Marks	5 Marks	
Research: App 1 research [8 Marks]	<ul style="list-style-type: none"> Not included or sections missing. All sections are included but limited details are provided in each section. 	<ul style="list-style-type: none"> All sections are included, but more details could be added to most of the sections. 	<ul style="list-style-type: none"> All sections are included, but more details could be added to some of the sections. 	<ul style="list-style-type: none"> Comprehensive discussion differentiating between the strengths and weaknesses and motivating why features are considered innovative. 	

Marking Criteria	Does not meet the required standard	Meets the required standard	Partially exceeds the required standard	Greatly exceeds the required standard	Feedback
PART 1					
	0 – 1 Marks	4 – 5 Marks	6 Marks	7 – 8 Marks	
Research: App 2 research [8 Marks]	<ul style="list-style-type: none"> Not included or sections missing. All sections are included but limited details are provided in each section. 	<ul style="list-style-type: none"> All sections are included, but more details could be added to most of the sections. 	<ul style="list-style-type: none"> All sections are included, but more details could be added to some of the sections. 	<ul style="list-style-type: none"> Comprehensive discussion differentiating between the strengths and weaknesses and motivating why features are considered innovative. 	
	0 – 1 Marks	4 – 5 Marks	6 Marks	7 – 8 Marks	
Research: App 3 research [8 Marks]	<ul style="list-style-type: none"> Not included or sections missing. All sections are included but limited details are provided in each section. 	<ul style="list-style-type: none"> All sections are included, but more details could be added to most of the sections. 	<ul style="list-style-type: none"> All sections are included, but more details could be added to some of the sections. 	<ul style="list-style-type: none"> Comprehensive discussion differentiating between the strengths and weaknesses and motivating why features are considered innovative. 	
	0 – 1 Marks	4 – 5 Marks	6 Marks	7 – 8 Marks	

Marking Criteria	Does not meet the required standard	Meets the required standard	Partially exceeds the required standard	Greatly exceeds the required standard	Feedback
PART 1					
Research: Comparison [10 Marks]	<ul style="list-style-type: none"> No comparison included or comparison not in a visual format. Comparison in a visual format but only includes either differences or similarities. 	<ul style="list-style-type: none"> Comparison in a visual format with a good number of similarities and differences, but the presentation could be improved. 	<ul style="list-style-type: none"> Comparison in a visual format with a good number of similarities and differences. 	<ul style="list-style-type: none"> Comprehensive comparison that shows all the differences and similarities at a glance. 	
	0 – 4 Marks	5 Marks	6 – 7 Marks	8 – 10 Marks	
Research: List of features to include [6 Marks]	<ul style="list-style-type: none"> No list of features included. A very short list included with no motivations. 	<ul style="list-style-type: none"> A good list of features is included but with little or no motivation. 	<ul style="list-style-type: none"> A good list of features is included with some motivations. 	<ul style="list-style-type: none"> An excellent list of features with motivations included for why these features are desirable. 	
	0 – 2 Marks	3 – 4 Marks	5 Marks	6 Marks	
Research: Conclusion [5 Marks]	<ul style="list-style-type: none"> No conclusion included. Conclusion does not link to the rest of the document. 	<ul style="list-style-type: none"> Acceptable and links to the rest of the document. 	<ul style="list-style-type: none"> Acceptable and links to the rest of the document. The link to the design is mentioned but not elaborated on. 	<ul style="list-style-type: none"> An excellent conclusion that links to the document and the design. 	
	0 – 1 Marks	2 – 3 Marks	4 Marks	5 Marks	

Marking Criteria	Does not meet the required standard	Meets the required standard	Partially exceeds the required standard	Greatly exceeds the required standard	Feedback
PART 1					
Research References: Subtract marks for incorrect referencing in the research document, according to the referencing rubric.					
Planning and Design: Introduction and Conclusion [5 Marks]	<ul style="list-style-type: none"> No introduction or conclusion included. Either the introduction or conclusion is missing. 	<ul style="list-style-type: none"> A good introduction and conclusion included that links to the rest of the document. 	<ul style="list-style-type: none"> A good introduction and conclusion included that links to the rest of the document. Mention is made of the research document. 	<ul style="list-style-type: none"> An excellent introduction and conclusion that links to the research document as well as the content of the design document. 	
	0 – 1 Marks	2 – 3 Marks	4 Marks	5 Marks	
Planning and Design: Overview of the app [10 Marks]	<ul style="list-style-type: none"> No overview included or no innovative features mentioned. The overview needs more details. 	<ul style="list-style-type: none"> A good overview is included with some innovative features. 	<ul style="list-style-type: none"> A good overview is included with some innovative features and an attempt to link to the rest of the document. 	<ul style="list-style-type: none"> An excellent overview that sets the stage for the rest of the document. 	
	0 – 4 Marks	5 Marks	6 – 7 Marks	8 – 10 Marks	
Planning and Design: Detailed list of requirements [15 Marks]	<ul style="list-style-type: none"> No requirements included or required features are missing. Only required features are included with some details, but 	<ul style="list-style-type: none"> Required features as well as the student's requirements included but need more detail in places. 	<ul style="list-style-type: none"> Required features as well as the student's requirements included with more detail needed only in a few places. 	<ul style="list-style-type: none"> An excellently detailed list of features that describes all the features including the student's own from research in detail. 	

Marking Criteria	Does not meet the required standard	Meets the required standard	Partially exceeds the required standard	Greatly exceeds the required standard	Feedback
PART 1					
	no additional features from the research mentioned.				
	0 – 6 Marks	7 – 9 Marks	10 – 11 Marks	12 – 15 Marks	
Planning and Design: User interface design [15 Marks]	<ul style="list-style-type: none"> No design included or only very brief descriptions with no mockups. Only mockups or reasonably detailed descriptions included, not both. 	<ul style="list-style-type: none"> Mockups and descriptions included but no diagram showing navigation. 	<ul style="list-style-type: none"> Mockups and descriptions included, and navigation diagram included with some missing details. 	<ul style="list-style-type: none"> Excellent mockups together with descriptions and a diagram explaining navigation. 	
	0 – 6 Marks	7 – 9 Marks	10 – 11 Marks	12 – 15 Marks	
Planning and Design: Project Plan [5 Marks]	<ul style="list-style-type: none"> No project plan included. Project plan included but is not logical. 	<ul style="list-style-type: none"> Logical with some errors. 	<ul style="list-style-type: none"> Logical with only minor errors. 	<ul style="list-style-type: none"> Logical and fully detailed with no errors. 	
	0 – 1 Marks	2 – 3 Marks	4 Marks	5 Marks	

Marking Criteria	Does not meet the required standard	Meets the required standard	Partially exceeds the required standard	Greatly exceeds the required standard	Feedback
PART 2					
The app runs in the emulator	<ul style="list-style-type: none"> App doesn't run at all. App runs but lots of crashes happen. 	<ul style="list-style-type: none"> App runs with one or two errors or crashes. 	<ul style="list-style-type: none"> The app runs with very infrequent errors or crashes. 	<ul style="list-style-type: none"> App runs without errors. 	
[10 Marks]	0 – 4 Marks	5 Marks	6 – 7 Marks	8 – 10 Marks	
Feature: Log in	<ul style="list-style-type: none"> Feature not included. Feature implemented but very buggy. 	<ul style="list-style-type: none"> Feature working mostly with some bugs. 	<ul style="list-style-type: none"> Feature working with only minor bugs. 	<ul style="list-style-type: none"> Feature excellently implemented. 	
[10 Marks]	0 – 4 Marks	5 Marks	6 – 7 Marks	8 – 10 Marks	
Feature: Create categories and entries	<ul style="list-style-type: none"> Feature not included. Feature implemented but very buggy. 	<ul style="list-style-type: none"> Feature working mostly with some bugs. 	<ul style="list-style-type: none"> Feature working with only minor bugs. 	<ul style="list-style-type: none"> Feature excellently implemented. 	
[10 Marks]	0 – 4 Marks	5 Marks	6 – 7 Marks	8 – 10 Marks	
Feature: Take and store a photo	<ul style="list-style-type: none"> Feature not included. Feature implemented but very buggy. 	<ul style="list-style-type: none"> Feature working mostly with some bugs. 	<ul style="list-style-type: none"> Feature working with only minor bugs. 	<ul style="list-style-type: none"> Feature excellently implemented. 	
[10 Marks]	0 – 4 Marks	5 Marks	6 – 7 Marks	8 – 10 Marks	

Marking Criteria	Does not meet the required standard	Meets the required standard	Partially exceeds the required standard	Greatly exceeds the required standard	Feedback
PART 2					
Feature: Set minimum and maximum goals [10 Marks]	<ul style="list-style-type: none"> Feature not included. Feature implemented but very buggy. 	<ul style="list-style-type: none"> Feature working mostly with some bugs. 	<ul style="list-style-type: none"> Feature working with only minor bugs. 	<ul style="list-style-type: none"> Feature excellently implemented. 	
	0 – 4 Marks	5 Marks	6 – 7 Marks	8 – 10 Marks	
Feature: View a list of entries in a period [10 Marks]	<ul style="list-style-type: none"> Feature not included. Feature implemented but very buggy. 	<ul style="list-style-type: none"> Feature working mostly with some bugs. 	<ul style="list-style-type: none"> Feature working with only minor bugs. 	<ul style="list-style-type: none"> Feature excellently implemented. 	
	0 – 4 Marks	5 Marks	6 – 7 Marks	8 – 10 Marks	
Feature: View category totals in a period [10 Marks]	<ul style="list-style-type: none"> Feature not included. Feature implemented but very buggy. 	<ul style="list-style-type: none"> Feature working mostly with some bugs. 	<ul style="list-style-type: none"> Feature working with only minor bugs. 	<ul style="list-style-type: none"> Feature excellently implemented. 	
	0 – 4 Marks	5 Marks	6 – 7 Marks	8 – 10 Marks	

Marking Criteria	Does not meet the required standard	Meets the required standard	Partially exceeds the required standard	Greatly exceeds the required standard	Feedback
PART 2					
User interface [20 Marks]	<ul style="list-style-type: none"> Not user-friendly, confused, and illogical. Somewhat user-friendly with lots of mistakes in the design. 	<ul style="list-style-type: none"> Mostly user-friendly with some mistakes in the design. Somewhat consistent use of layout, fonts, and colours. 	<ul style="list-style-type: none"> Mostly user-friendly with some attempt made at making the capture process easier for the user. Mostly consistent use of layout, fonts, and colours. 	<ul style="list-style-type: none"> Excellent and user-friendly design. Completely consistent use of layout, fonts, and colours. 	
	0 – 9 Marks	10 – 12 Marks	13 – 14 Marks	15 – 20 Marks	
Demonstration video [10 Marks]	<ul style="list-style-type: none"> No demonstration video included. Informal and unprepared, or not showing all the features or no voice over included. 	<ul style="list-style-type: none"> Not completely professional but all features demonstrated. 	<ul style="list-style-type: none"> Mostly professional with some issues but all features demonstrated. 	<ul style="list-style-type: none"> Fully professional video showing all the required features in detail. 	
	0 – 4 Marks	5 Marks	6 – 7 Marks	8 – 10 Marks	

Marking Criteria	Does not meet the required standard	Meets the required standard	Partially exceeds the required standard	Greatly exceeds the required standard	Feedback
PORTFOLIO OF EVIDENCE (POE)					
The app runs on mobile phone [10 Marks]	<ul style="list-style-type: none"> App doesn't run at all. App runs but lots of crashes happen. The app is only shown running in the emulator. 	<ul style="list-style-type: none"> App runs with one or two errors or crashes. 	<ul style="list-style-type: none"> The app runs with very infrequent errors or crashes. 	<ul style="list-style-type: none"> App runs without errors. 	
	0 – 4 Marks	5 Marks	6 – 7 Marks	8 – 10 Marks	
Feature: Data capture and views from prototype working [10 Marks]	<ul style="list-style-type: none"> Feature not included. Feature implemented but very buggy. 	<ul style="list-style-type: none"> Feature working mostly with some bugs. 	<ul style="list-style-type: none"> Feature working with only minor bugs. 	<ul style="list-style-type: none"> Feature excellently implemented. 	
	0 – 4 Marks	5 Marks	6 – 7 Marks	8 – 10 Marks	
Feature: Own feature 1 as described in the readme file [10 Marks]	<ul style="list-style-type: none"> No readme file provided. Feature not included. Feature implemented but very buggy. 	<ul style="list-style-type: none"> Feature working mostly with some bugs. 	<ul style="list-style-type: none"> Feature working with only minor bugs. 	<ul style="list-style-type: none"> Feature excellently implemented. 	
	0 – 4 Marks	5 Marks	6 – 7 Marks	8 – 10 Marks	

Marking Criteria	Does not meet the required standard	Meets the required standard	Partially exceeds the required standard	Greatly exceeds the required standard	Feedback
PORTFOLIO OF EVIDENCE (POE)					
Feature: Own feature 2 as described in the readme file [10 Marks]	<ul style="list-style-type: none"> No readme file provided. Feature not included. Feature implemented but very buggy. 	<ul style="list-style-type: none"> Feature working mostly with some bugs. 	<ul style="list-style-type: none"> Feature working with only minor bugs. 	<ul style="list-style-type: none"> Feature excellently implemented. 	
	0 – 4 Marks	5 Marks	6 – 7 Marks	8 – 10 Marks	
Feature: Graph showing times and goals [10 Marks]	<ul style="list-style-type: none"> Feature not included. Feature implemented but very buggy. 	<ul style="list-style-type: none"> Feature working mostly with some bugs. 	<ul style="list-style-type: none"> Feature working with only minor bugs. 	<ul style="list-style-type: none"> Feature excellently implemented. 	
	0 – 4 Marks	5 Marks	6 – 7 Marks	8 – 10 Marks	
Feature: Visual display of how the user is doing with the goals [10 Marks]	<ul style="list-style-type: none"> Feature not included. Feature implemented but very buggy. 	<ul style="list-style-type: none"> Feature working mostly with some bugs. 	<ul style="list-style-type: none"> Feature working with only minor bugs. 	<ul style="list-style-type: none"> Feature excellently implemented. 	
	0 – 4 Marks	5 Marks	6 – 7 Marks	8 – 10 Marks	

Marking Criteria	Does not meet the required standard	Meets the required standard	Partially exceeds the required standard	Greatly exceeds the required standard	Feedback
PORTFOLIO OF EVIDENCE (POE)					
Feature: Data is stored in an online database [10 Marks]	<ul style="list-style-type: none"> Feature not included. Feature implemented but very buggy. 	<ul style="list-style-type: none"> Feature working mostly with some bugs. 	<ul style="list-style-type: none"> Feature working with only minor bugs. 	<ul style="list-style-type: none"> Feature excellently implemented. 	
	0 – 4 Marks	5 Marks	6 – 7 Marks	8 – 10 Marks	
User interface [20 Marks]	<ul style="list-style-type: none"> Not user-friendly, confused, and illogical. Somewhat user-friendly with lots of mistakes in the design. 	<ul style="list-style-type: none"> Mostly user-friendly with some mistakes in the design. Somewhat consistent use of layout, fonts, and colours. 	<ul style="list-style-type: none"> Mostly user-friendly with some attempts made at making the capture process easier for the user. Mostly consistent use of layout, fonts, and colours. 	<ul style="list-style-type: none"> Excellent and user-friendly design. Completely consistent use of layout, fonts, and colours. 	
	0 – 9 Marks	10 – 12 Marks	13 – 14 Marks	15 – 20 Marks	
Demonstration video [10 Marks]	<ul style="list-style-type: none"> No demonstration video included. Informal and unprepared, or not showing all the features or no voice over included. 	<ul style="list-style-type: none"> Not completely professional but all features demonstrated. 	<ul style="list-style-type: none"> Mostly professional with some issues but all features demonstrated. 	<ul style="list-style-type: none"> Fully professional video showing all the required features in detail. 	
	0 – 4 Marks	5 Marks	6 – 7 Marks	8 – 10 Marks	

[TOTAL MARKS: 300]