

ASSIGNMENT 1 FRONT SHEET

Qualification	BTEC Level 5 HND Diploma in Computing		
Unit number and title	Unit 06: Managing a Successful Computing Project		
Submission date	02/12/2019	Date Received 1st submission	
Re-submission Date		Date Received 2nd submission	
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Class	GCD0703	Assessor name	srikanthraju
Student declaration I certify that the assignment submission is entirely my own work and I fully understand the consequences of plagiarism. I understand that making a false declaration is a form of malpractice.			
		Student's signature	

Grading grid

P1 ✓	P2 ✓	P3 ✓	P4 ✓	M1 ✓	M2 ✗	D1 ✗
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⚙ **Summative Feedback:**

⚙ **Resubmission Feedback:**

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Grade:

Assessor Signature:

Date:

IV Signature:

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P1 Devise project aims and objectives for a chosen scenario.

Digital wellbeing is a term used by health professionals, researchers and device manufacturers to describe the concept that when humans interact with technology, the experience should support mental and physical health in a measurable way. The goal of improving digital wellbeing is to design technology in such a way that it promotes healthy use and proactively assists the user to maintain a healthy lifestyle.

The best digital wellbeing tool I aim to is app timers that limit how many minutes or hours a user can spend on certain website or applications per day. These can also be used to restrict access after a certain time of day.

App timers helps you consider your tech use, by counting and displaying the number of times you use your phone in a day. Simply download the app and get started.



P2 and M1 Produce a project management plan that covers aspects of cost, scope, time, quality, communication, risk and resources.

Project management plan

To successfully accomplish a project the manager of the project must have a plan for that project. A better project plan helps the project manager to achieve the objective of the project in a better ways. The term project management plan is defined as the process of how the management will execute, monitor and control the project.

A project management plan is formal and established ways to manage a project. A good project management plan includes the following elements:

- Cost
- Scope
- Time
- Communication
- Risk and resource

A Project management plan is the main tool that shows the path to accomplish the task of the project.so the manger of a project has to develop a Project management plan for getting the project successful. The Project management plan for the project is given in the following:

- Project's conceptions and initiation
- Project's definition or planning
- Project launch and execution
- Project's performance control
- Project closing

In order to ensure the project will be run smoothly, a project management plan is very important. In this case I use Project Charter to produce a project management plan. This is a project charter of “App timers” project. In this charter including all needed information like risk, stakeholders, etc.

PROJECT CHARTER

1. General Project Information				
Project Name:	Digital wellbeing- App timers			
Executive Sponsors:	Galaxy company			
Department Sponsor:	Google			
Impact of project:	Save time, support mental and physical health			
2. Project Team				
	Name	Department	Telephone	E-mail
Project Manager:	Nguyen Trung Thanh	Leader	0123456789	thanhngt@gmail.com
Team Members:	Tony stark	Code and development	5522645	ironman@gmail.com
	Bill Gate	Testing	445254453	aerfsc@gmail.com
3. Stakeholders (e.g., those with a significant interest in or who will be significantly affected by this project)				
Google				
Onetech Asia				

Vinsmart

4. Project Scope Statement

Project Purpose / Business Justification *Describe the business need this project addresses*

This project will bring new experiences to customers. Help user to maintain a healthy lifestyle.

Objectives (in business terms) *Describe the measurable outcomes of the project, e.g., reduce cost by xxxx or increase quality to yyyy*

- Save time
- It help the user to lower undesired types of screen time, or to be more deliberate about how technology is used

Deliverables *List the high-level "products" to be created (e.g., improved xxxx process, employee manual on yyyy)*

Better understand your tech use by seeing how often you use your phone.

Scope *List what the project will and will not address (e.g., this project addresses units that report into the Office of Executive Vice President. Units that report into the Provosts Office are not included)*

- In the near future, this model can be applied to all platform.
- Users can better understand this technology and use them popularly

Project Milestones *Propose start and end dates for Project Phases (e.g., Inception, Planning, Construction, Delivery) and other major milestones*

- Initiating: 20/11/2019
- Planning: 21/11/2019
- Executing: 23/11/2019
- Closing: 28/11/2019

Major Known Risks (including significant Assumptions) *Identify obstacles that may cause the project to fail.*

Risk	Risk Rating (Hi, Med, Lo)
Handling slowly	Medium
Not working or work wrong	High
Out of budget	High

Constraints *List any conditions that may limit the project team's options with respect to resources, personnel, or schedule (e.g., predetermined budget or project end date, limit on number of staff that may be assigned to the project).*

- The process is slow, cannot finish on time
- Take more money than expected.
- The misunderstanding between departments.

External Dependencies *Will project success depend on coordination of efforts between the project team and one or more other individuals or groups? Has everyone involved agreed to this interaction?*

None

5. Communication Strategy *(specify how the project manager will communicate to the Executive Sponsor, Project Team members and Stakeholders, e.g., frequency of status reports, frequency of Project Team meetings, etc.*

- After weeks, the leader have to report to stakeholders.
- Staffs have to report the process of project to manager everyday.

6. Sign-off			
	Name	Signature	Date (MM/DD/YYYY)
Executive Sponsor	Onetech Asia		
Department Sponsor	Google		
Project Manager	Nguyen Trung Thanh		
7. Notes			

1. The goals of project

- App timers is a project created to serve people daily life.
- By using App timers, user can manage phone usage time.
- Users can also set a limited amount of time they can use the phone. If this limit is exceeded, App timers will continuously send on-screen notifications asking you to stop.

2. Scope

To complete a project successfully, as a manager I have to consider the scope of the project. The scope of the project includes some important aspects like project planning, project designing, development, project's hypothesis testing, and introducing some hardware and software that are necessary for accomplishing the project. Side by side the accomplishment of a project also considers the drawback of the project that is harmful for the project.

- I hope this project can become more popular to everyone.
- In future, we can apply this model into all platform.
- App timers will helps users to be limited and no longer "addicted" to smartphones

3. Project cost

To take a Project and to complete it, the manager of the Project has to consider some important element of the project and cost is the most important element of project, so as a manager of the project I need to consider the cost of the project. The total cost of a project can be classified in in the flowing ways

No.	Category	Cost
1	Research and development	30.000\$
2	Released	5.000\$
3	Advertising	10.000\$
4	Human Resources	50.000\$
Total		95.000\$

4. Risk

Any project has some risks and resources. The project to get competitive advantages through taking CSR activities has also some problems or risks and resources. The risks of the project are limitation of enough time, money. And the resources of the project are skilled manpower, experience of the project manager, enough investment and the positive attitudes of the management of the company. So as a manager of the project; I can assure that the project will be accomplished within the time because the project has enough resources than the risks at hand. And here is some risk can happen:

- There is not enough time to test all the functions.
- The software may not meet or only meet some of the customer's expected expectations.
- Software is unreliable and often fails.
- The software fails in ways that cause financial damage or other damage to the user.

5. Communication.

Communication is the most essential part of a project. The project manager has to maintain the regular communication with the related parties of the project. The manager of the project set a strategy to communicate with the stakeholders of the company. Those who are related to the project and can affect the accomplishment of the project should be taken in consideration of the manager. So as a manager I will maintain regular communication with the stakeholders as well as the general people related to the project.

- Maintain a smooth exchange between project stakeholders
- Define clearly the roles of the members in the project
- Always prepare risk contingency plans
- Develop a clear work plan
- Maintain regular meetings
- Boldly say yes to change and improvement
- Always encrypted important documents

P3 and D1 Produce a work breakdown structure and a Gantt Chart to provide timeframes and stages for completion.

Work breakdown structure

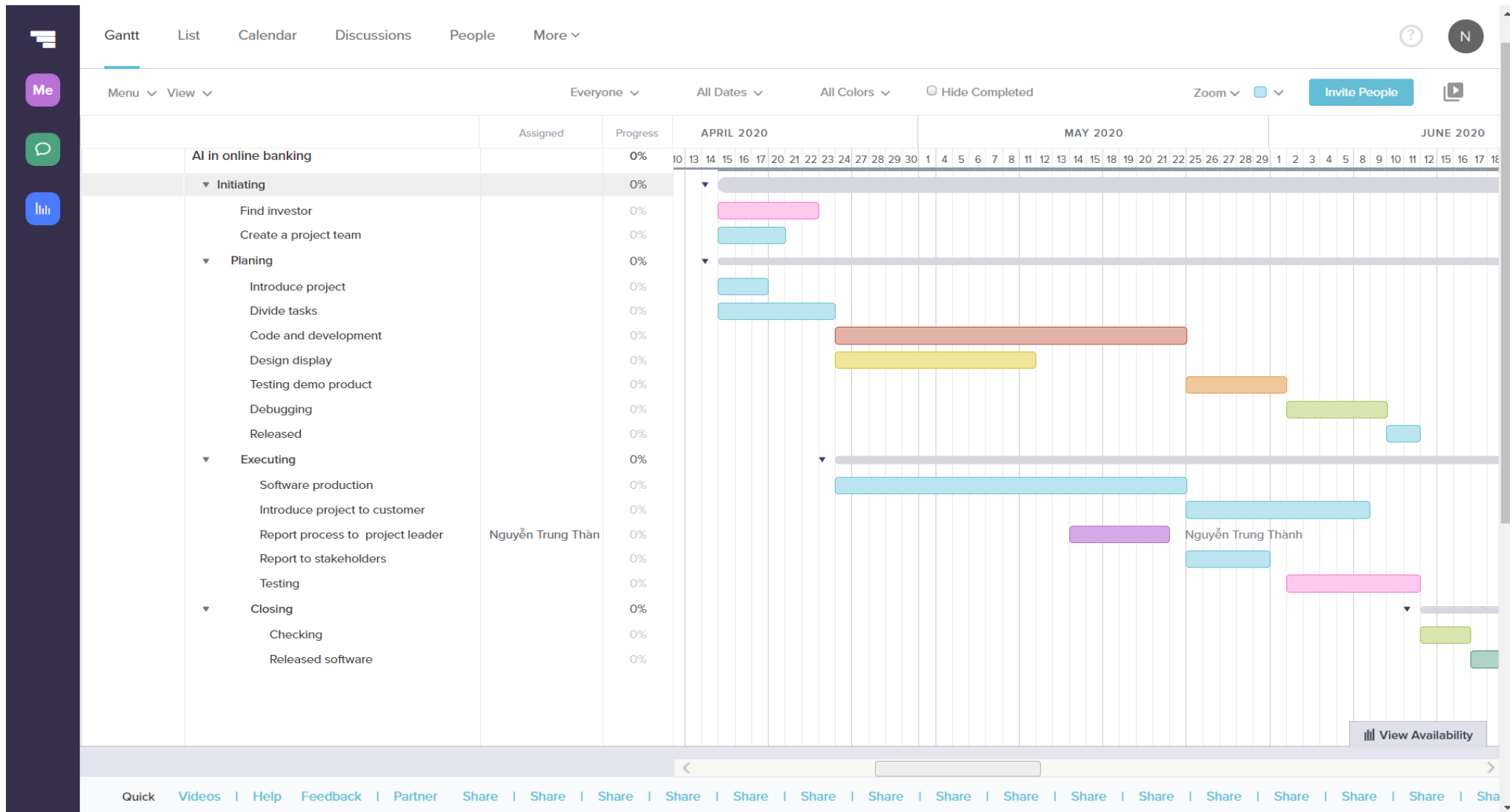
A project management plan has five stages of task.so the manager of a project has to divide the total task into five different phases).So as a manager of the project; I have taken an initiative to breakdown the whole work. According to the project plan, the five stages of work will be accomplished within the time specified. If the assigned tasks can be accomplished within the time then the project will be a successful one for the company.so the project tasks breakdown has been given in the following-

Task	Stages of task	Days needed	Employees
1	Project's conceptions and initiation	2	3
2	Project's definition or planning	1	2
3	Project launch and execution	2	20
4	Project's performance control	2	3
5	Project closing	1	2

	Total	8	30
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Then I build a schedule to do list during the project based on the project charter.



Above is a Gantt Chart to provide timeframes and stages for completion. Project management plan has 4 stages of task: Initiating, Planning, Executing and Closing

1. Initiating.

- First step of project is find stakeholders for project. The stakeholders can be investors and customers. In this project investor i aim to is Vinsmart
- I formed 4 team: creative team, technical team, team work directly with customers, internal projects teams.

2. Planning.

- In the plan i created, first step is introduce project to investor and my team so they can shape what needs to be done in the future. Then I divide tasks for them.
- Technical team will be charge of code and development
- Creative team will be charge of design display
- 2 team above will be work together in testing, debugging and released software

3. Executing.

- We started into software design and development
- While 2 team make software, team work with customers also introduce project to the customers.
- Internal projects teams have a mission that report all process to leaders, so I can control and give decision to make sure the process is run smoothly.

4. Closing.

- The software must be checking one more time before deliver to customers.
- After all of thing, I calculate money, time, human resources have been used for this project.

As a project manager, I had breakdown the total task and show the task's start time and duration of the project according the Gantt chart .Each task of the project will be stated in the above mention time and the task will be finished within the specific time. So a project manager, I will accomplish all the project tasks according to the work break down and the Gantt chart.

P4 and M2 Carry out small-scale research by applying qualitative and quantitative research methods appropriate for meeting project aims and objectives

The objective of the project is manage smartphone usage time. So as a manager of the project will find out the possible and the best method of research to make the best app for customer. As a part of the project, I have decided to use the quantitative and qualitative method of research

-Quantitative research

Quantitative research can be done using many methods like observation, survey, questionnaire, focus group etc. So to do the quantitative research for the project, as a project manager I have taken the survey method for the research. so I have prepared a survey questionnaire based on 100 respondents.

Survey question	Disagree	Neutral	Agree
App timers has no errors and do right assigned function	5	45	50
Is the app timers useful?	3	67	30
Comfortable software interface and easy to use	12	49	39

-Qualitative Research

Qualitative research is taken to know the insight of the customers and investor. A good qualitative research help the project manager know what the customers think about the project. So I has set some questions to get the insights of the customers.

- + Would you like to apply digital wellbeing in daily life?
- + Do you believe this app will help your health better?
- + Do you think this app is really useful or annoying for you?

Evaluate the accuracy and reliability

-Reliability and accuracy are concepts used to evaluate the quality of research. They indicate how well a method, technique or test measures something. Reliability is about the consistency of a measure, and validity is about the accuracy of a measure. It's important to consider reliability and validity when you are creating research design, planning methods, and writing up results, especially in quantitative research.

-Quantitative research

Validity and reliability are two important aspects in order to approve and validate the quantitative research. The validity as “the degree to which the evidence supports that the interpretations of the data are correct and the manner in which interpretations used are appropriate”. Validity is the one if the obtained results are truthful and believable.

Methods of establishing validity in quantitative research are:

+Experiment review

+Data triangulation

+Participant feedback

+Regression analysis

+Statistical analysis

I clearly defined and took care of the internal validity threats that can arise from the data collected and the tools used for collecting the data. I took care of the external validity by inferring the data to their respective parts, products and machines correctly and obtained results after performing a careful analysis. I applied descriptive statistics analysis and drew line graphs between the numbers of products, delay time and interpreted the results clearly.

-Qualitative research

The concepts of validity and reliability related to the quantitative research may not be applicable or support for qualitative research. The necessary tools such as precision; credibility and transferability are considered to validate the qualitative research. All the technical issues such as validity, reliability, triangulation and generalizability show the effect of credibility. In terms of the quantitative research, reliability means, the result is replicable. But, in terms of the qualitative research, reliability is testing the information for high quality which otherwise looks confusing making the reader change the track of the study.

So, to establish multiple ways of truth for a qualitative research, researcher needs to redefine, implement and test the validity, reliability, generalizability and data triangulation concepts thoroughly.

Methods for establishing the validity and to enhance the credibility of qualitative research are:

- +Negative case analysis
- +Audit trail
- +Prolonged field experience
- +Data triangulation
- +Member checking

References

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(n.d.). Retrieved from <https://www.scribbr.com/methodology/reliability-vs-validity/>

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Index of comments

2.1

What is good:

- use of images is good
- content is good

What is not good:

- attempted sections M & D, however the research work for M2 is not complete, and section D is not covered.

How to make it better:

- add tables to evaluate the differences is better and look professional
- answer to the sections in full including what's asked in the brief.