

Changemakers assignment 1

by Connor Wilson

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CHANGEMAKERS: CREATIVITY AND VALUE CREATION

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Content Page

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Page 1 – Task 1 (Question 1 and 2)

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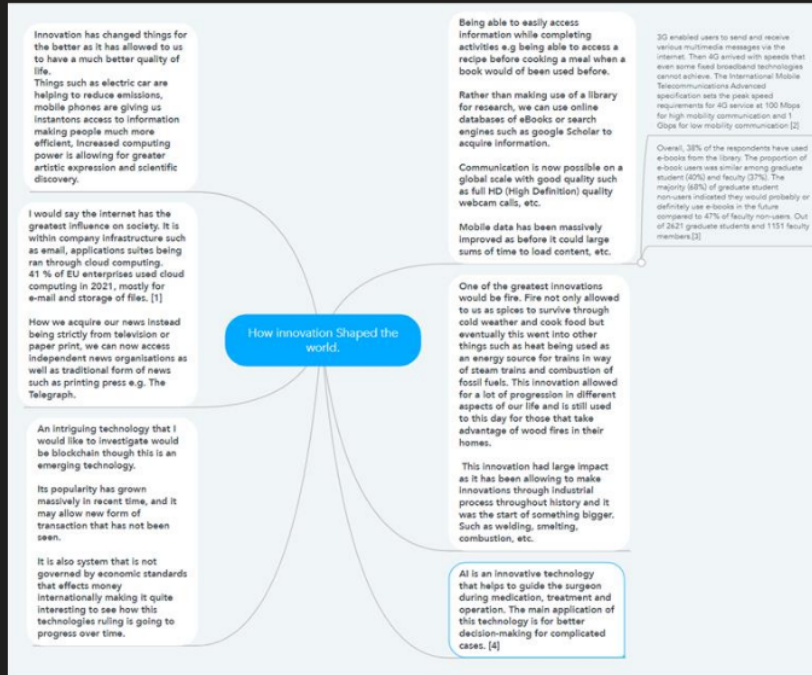
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Task 1

Task 1: MindMap

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Task 1: Mind Map



Task 2

Task 2: Aim & Objectives and Research area.

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Task 2 (Question 1): Aim & Objectives and Research area.

To begin with one of the aims for my project will be into setting up a network infrastructure. The aim of the project will be to have a function network which is able to provide a reliable solution to its users.

Some of my objectives in this project will be to investigate several types of network technologies to find one that I deemed appropriate.

Different hardware that could be potentially used in the network infrastructure.

Different types of broadband solutions if it connects to the internet.

The different requirements for LAN or WAN connection types.

Security of the network and configurations of networking devices.

Will it be an Active Directory managed machines or will I use a different software solution.

Task 2 (Question 2): Identify an appropriate research philosophy for your project

Research Philosophy underpins what we want to learn around a topic or subject.

Research philosophy is a belief about the way in which data about a phenomenon should be gathered, analysed and used. [5]

There are various methods that research philosophy can be conducted through.

Ontology and Epistemology. Ontology is do with are already perceived understanding of the world for instance if you turn a tap water will come out. Epistemology is about the approach of how that works so in this instance that would you turn the tap and it would release the water which is feed into your house.

Ontology in a research scenario would be more so what my own findings and understand of what something is from research.

Ontology seeks to provide a definitive and exhaustive classification of entities in all spheres of being. [6]

There are lots of different research approaches under Epistemology. I such as subjectivist and objectivist thoughts I am a blend both but when it comes to me academically I'm more objectivist so I would need to consider these approaches more.

Approaches such as surveys and case studies may be more beneficial during my research phases of my projects.

The research itself is independent of the researcher. As a result, data is used to objectively measure reality. Quantitative research creates meaning through objectivity uncovered in the collected data. [7]

Task 2 (Question 3): Appropriate databases for identifying research related my problem investigation.

My Main research methods usually includes using online research libraries for academic articles, case studies and eBooks from credible sources which I will source from Google Scholar, IEEE database, etc.

The way I will acquire that research is normally searching with key terms such as the topic and if I want to see a change or certain bias to assist with my point so if I wanted to prove that more companies are using cloud computing like reference I included in the first part of my assignment then I would search in "Cloud Computing Increase in companies".

This method above is usual quite good at finding relevant results within the first few items.

There is other method of acquire this information though as search engine will usually include features which allow you to filter the data further.

You can choice various options e.g. you can choice to have all of the words in the search results. Just one

- You can choose various options e.g. you can choose to have all of the words in the search results, just one of each word in the search result and have it exclude words entirely. This allows for more customisation when acquiring results and can help you narrow into a specific subject or field.

Using different terminology can be useful as well to produce different results during research.

Concepts can be expressed in different ways e.g. "self-esteem" might be referred to as "self-worth". The aim is to consider your concepts and coming up with a list of the different ways they could be expressed.
[8]

Task 3

Task 3: Research Strategies

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Task 3: (Question 1) Research Strategies

There are various different forms of research strategies such as case studies, Survey, experiment and archival research. Using a combination of these during the research process will hopefully bring a balanced approach

A case study is one example of something for instance this would be like me looking at one particular type of graphics card or processor. Its focused study into a specific thing. This could be useful if I eventually want to compare two things as I can contract the information from two different case studies. This can also be good for finding out a lot of information around a certain topic.

Data can be qualitative, quantitative or a mix of both. Case study research allows a composite and multifaceted investigation of the issue or problem. [9]

Survey is good for getting responsive information a certain category of people such as say workers in company or university students though this is not good for collecting data and should be used just for strategic research.

The most common form of survey is a questionnaire which can then be analysed to see if there any patterns in the results from the finding which can be useful if for instance you are trying to find some aims for your projects or making sure that certain criteria is meet.

Task 3: (Question 2) Identify strategies to enhance validity, reliability, and generalisability.

To be able to enhance generalisability within my research I can target more specific demographics when I am completing surveys. This stops me having varied results which could end up being unconvulsive and may not show pattern in the data. An issue with this is that the data could potentially be biased if I'm giving it one demographic of people so this can be offset by multiple surveys so the data can be compared to see if they confirm the bias or if there is different context that need to be considered.

where one judges the extent to which the findings in one study can be generalized to another under similar theoretical, and the proximal similarity model, where generalizability of one study to another is judged by similarities between the time, place, people and other social contexts. [10]

Enhancing validity by making sure that any individuals that are involved in the research are not friends or family as this could bring biased information which would not help with confirming genuineness of data or research and can affect the quality of the final project.

Validity in research means "appropriateness" of the tools, processes, and data. if the research question is valid for the desired outcome, the choice of methodology is appropriate for answering the research question [11].

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Changemakers assignment 1

GRADEMARK REPORT

FINAL GRADE

GENERAL COMMENTS

53/100

Instructor

Total:	53
1. Engagement with Literature Skills	
T1 Mind Map: + Good use of citations and references included. T2 Aim & Objs, Res. Phil., Dbs & search strats: + Some relevant use of citations and relevant references included. T3 Res. strats: + Some good use of citations and references included.	17
2. Knowledge and Understanding Skills	
T1: + Some good coverage of Unit1 section 1 concepts/topics/activities, supported by citations. T2: As Ontology and Epistemology are documented as research philosophy considerations for the project, they need to be related to the project. Phenomenology and Positivism are two research philosophies that could be considered here. T3: + Research strategies for data collection are reviewed. – They could be linked to the project area and selected appropriately.	11
3. Cognitive and Intellectual Skills	
T1: + Evidence of relevant concept analysis is documented. Project ideas and selected idea could be documented more clearly. T2: + An Aim and several Objectives have been documented. A good start. The objectives could relate to the key stages of a project more closely e.g. Research/investigate, Analysis, Design, Implementation/Development, testing and evaluation.	11

T3: + Some consideration for validity and generalisability is documented. – Reliability could also be included here.	
4. Practical Application Skills	
T1: + Good use of software to create the Mind-map. T2: + Some search tools and research databases identified, and some search strategies identified. – These have not been used to identify relevant research related to the project area. T3: - Task not answered.	11
5. Transferable Skills for Life and Professional Practice (10 marks for participation.)	
T1: + Good format. - Structure could be enhanced by creating headings or sub-nodes to categorise map contents. T2: + Task answer is clearly documented and structured. OneNote Research portfolio: Accessible, clearly structured and easy to use. On-time/Late: OT-DD.	3

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