

project management cyber security

Friday, February 27, 2026 6:53 PM

Task 1: ideal & mind map

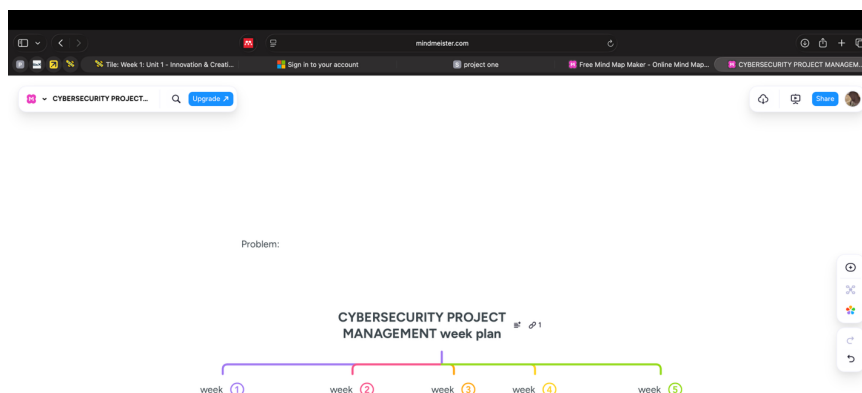
Introduction

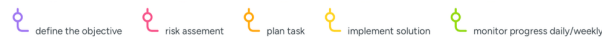
Creativity plays a key role in project management when it comes to computing; it can be endless. The idea of building this project starts with an idea; it also adds problem-solving, systems thinking, and strategic planning. When it comes to innovation, one of my main ideals is cybersecurity. Security is private for companies and schools, with more 2-step verification and a monitoring security layer. It also requires critical thinking and anticipating potential threats before they occur. Attackers are constantly making news by entering our data, so make have evolving as quickly as possible align with their technique to stop them, which means that a defensive barrier system is one of the ways we can move on faster hence why this project is all about introduction to cybersecurity and by directing with creativity, adaptability and critical thinking [1]

Moving forward with innovation gradually improves the productivity of the project, for example, cloud computing with enable and helps with global collaboration, artificial intelligence, and a cybersecurity framework protects the sensitive financial and personal information, which is one of my ideal and goals to help develop it without the innovation and set ideal planning there won't be any movement I gradually struggle in the future to keep up with the pace with digital information hence why it very useful that creativity comes into play and help grow for economic growth for this companies and school and also in general public most but my aim is target for companies private companies and schools and with it also help with social stability and gaining trust in my ideal within digital system [2]

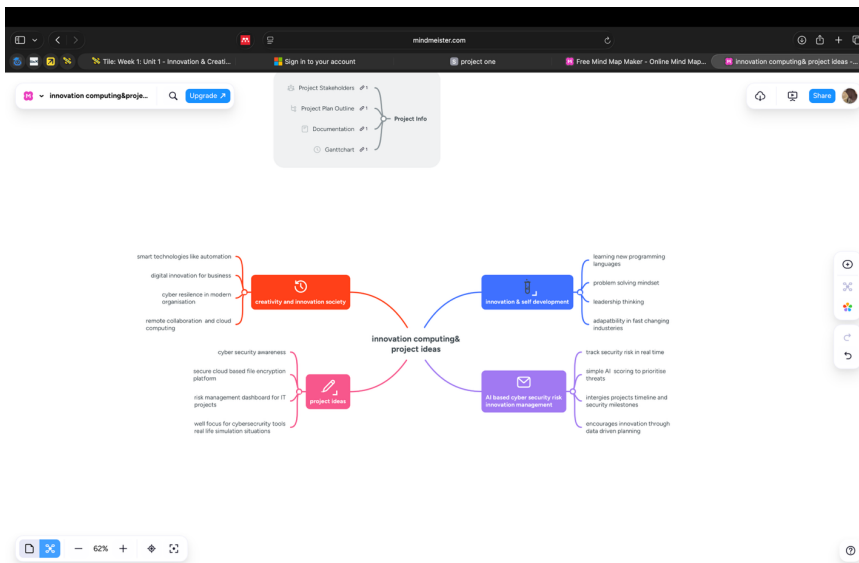
Another way to foster innovation and creativity in starting project management is at a personal level; to elaborate, When it comes to innovating, self-reflecting and developing with relevance to computing student is important to show my interest in cybersecurity and project management and the will to engage with innovation, the idea, and strengthen them in the coming weeks with smaller goals to achieve the end goal, which mean technical strategic skills in computing and developing the project ideas and analyses real life problems in a business to evaluate the potential goals solution which will increase the critical thinking skills to adapt in that environments it will also help the process of getting better and leadership skill in a professionals environment at the end it will teaches that innovation will shaping the growth and the career direction

When it comes to project ideas, it involves identifying mind maps that express the thoughts in the area, identifying possible threats and their solutions, and determining which concept fits best. In this case, I made a mind map of weeks that could cover, develop, and innovate in project management, specifically for cybersecurity. My project combines my interest in AI-based cybersecurity risk and ways to innovate project management, allowing me to emerge and relate concepts about risk and solution and make ways to innovated and the aim is to design a system that will hopefully help the project monitor the cybersecurity risk and align the milestones to increase innovation strategies





This project will reflect how innovation increases, as the image shown represents what I would like to achieve. It focuses on improving my project management skills and helps innovate the project in term will the week plan it help a lot of companies guide with balance innovation daily within the week to be able to achieve it and balance the innovation within security with could mean like the risk control being overly cautious and fall behind of competitors if the project plan don't innovated which mean it could be major threats along the way and wasting budget along the way limited our achievement nice week plan such this can give us a overall view on what we are expecting and how to achieve it [3]



As students, learning as we go, we will face challenges along the way and make a rough plan, bringing out ideas to life, which gives us a clear indication to move forward on the project and how to innovate the cybersecurity project the idea is not just to complete the task but also creating something that genuinely improve the idea of my project which in this case will cyber security in project management the innovation often is to not overlook and focus based on deadline, budgets and delivered it focus on how can set this idea innovated set deadlines what the budget and most important how can we develop it create make less threats and based on real life progress to solve deeper rather meeting simple meet requirements [4]

However, what makes the project innovative is that, rather than manually reviewing, the combination of AI and practical project management tools can help identify risks, and the use of AI helps prioritise threats based on the likelihood of impact. This can help my project management make evidence-based decisions, and rather than react only to the after-incident

From my personal perspective, this project reflects my interest in both critical thinking and technical development, how to develop the ideal and bring it to real situation ideas wise it has allow me to explore how I can achieve how to structure a plan that could work and how innovation is not all about creating flashy but well in depth plan at the end it should work and improving the efficiency and the leverage of the project hance to strengthen the security and the support build on that improving the leadership in the process

Task 2 Project area cyber security

Project aim

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Aim

For me to develop a practical and structured cybersecurity project for companies and schools for easy access protocol with strong security, the management framework that strengthens the risk controls and improves the planning processes, I need to increase the likelihood of successful delivery of cybersecurity within the organization

This project recognises that many cybersecurity efforts can fail, so my planning needs to be well-planned, not because of technical weaknesses, but due to poor planning, weak risk management, and a lack of integration between security and project management principles. The aim is therefore to bridge my gaps [5]

for me achieve this aim, the project will focus on the following

First, I need to analyse the current cybersecurity threats and organisational vulnerabilities. This means that the impact it has on the cybersecurity project

The next step is to examine how the cybersecurity risks can influence project scope, time, cost and quality, and to critically review established project management methodologies for AGILE for cybersecurity content implantation [6]

Another for my project management is to explore the risk management and frameworks, security models and their relevance to cybersecurity projects, and to assess the legal and regulatory considerations of data, is needed and compliance requirement is needed for me to go forward with my project

Moving forward, the next step is to design the framework that integrates cybersecurity controls into each stage of the project Lifecycle

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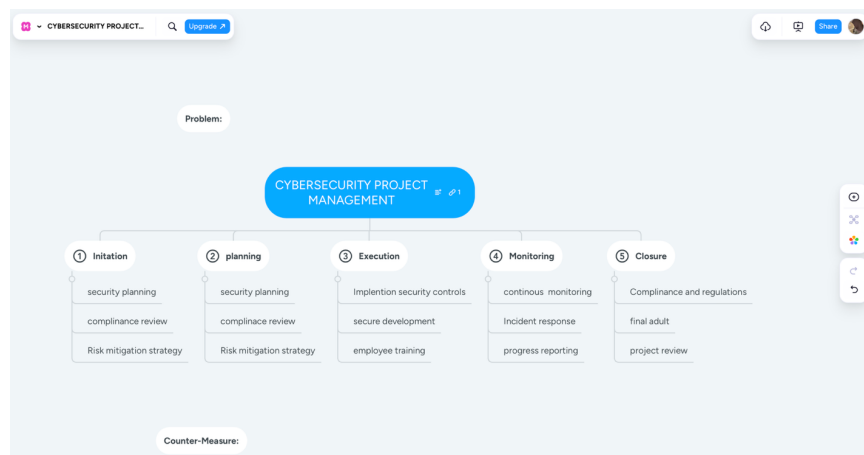
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project Lifecycle

Overall, the objective set will ensure that the research remains structured and precise to prevent any faults, and it is measured and aligned with my overall aim of building cybersecurity for companies



At this core of the project management it will help me provide a structure when the organization and decide to introduce a new cybersecurity solution such as improved incident and response systems this will help quite a lot this system will upgrade the security and there must be clear plan without me having a planning like my objective or life cycle giving me a clear view how to manage this will increase help me a lot and even this most idea can fail this part of the process how it I improve my planning [7]

One of the biggest challenge that would that I need to face in the cyber security space is that for me to innovation most of that will evolve quickly the technologies change and compliance requirement I need regular update my plans because of this the cyber security projects management introduce a formal risk be assessed and identify early so in the future will have less mistakes my plan has to be strategies in advanced this will reduce which why I made 5 rule for my project management to reduce the risk

Another important factor is performance, which measures improvement in my project management and innovation. It will include a set of keys I need to learn over the weeks leading up to the performance, with room for further improvement. An example will be the incident response time for small security breaches.

However, as part of my innovation, improving the budget will be a part of what I named budget control. It will require a lot of investment and adaptation because today's world technologies improve every day, making it the idea come to live the architecture of the my idea should come life knowing success and the fail managing it all the resources that I will eventually gather will be success and used efficiently and spend align with the most expected benefits which are all the gather information that have planned and research and importantly the innovation of my project in that tech space must have respects form the governance and legal appeal for me move forward avoiding mature cost along the way the data protection laws as I well managed my project I can integrate my compliances into each stage to ensure the innovation strengthen the regulatory requirement [8]

Tasks 3 research strategies

when it came my project cybersecurity is one fast pace and changing technologies which helps a lot in today's society we used a lot for companies schools every day banking so this helps me improve project help and securing of my own and manage one project of myself even though under pressure to innovate and project teams must deliver secure solutions while manage time this can be the risk the cost of reaching this project requires careful planning it is not just about collecting information[9]

one of my most important aspect of this research was that the validity in more simple terms the means of making sure I am actually studying what I learn as the topic cyber security and how to innovate as a whole since my project focuses on improving the project management all the research I have done help me build chart based on the images that have

The screenshot shows a mind map titled "research process and search strategy" in the center. The map branches out into several steps, each in a colored box with a corresponding line connecting it to the central node. The steps are:

- define the research problem, aim and objectives** (blue box, top right)
- writing review** (purple box, top right)
- researching and learning the management systems about technology theory** (text, top right)
- formulate the research if questions** (pink box, top right)
- developing the research conceptual model** (red box, bottom right)
- developing and creating a model that will construct research hypotheses** (text, bottom right)
- identify methodology** (orange box, bottom right)
- making clear the methodology research approach can be a sample and can be develop** (text, bottom right)
- data collection** (green box, left)
- obtain ethical approval for online survey** (text, left)
- finding discussion** (yellow box, left)
- direct relationships and knowing the difference and acceptance knowing what is collected the data** (text, left)

The mind map is displayed on a computer screen with various browser tabs and a search bar visible at the top. The browser tabs include "mindmeister.com", "endnote - Search | M...", "OneNote | MS365 Cop...", "project one", "Free Mind Map Make...", "research process an...", and "another word for it...". The search bar contains the text "research process and search..." and a search icon. The browser's address bar shows "mindmeister.com". The browser's status bar at the bottom shows "74% + -".

Another important will generatability of the challenges that I have built up for the last few weeks the cybersecurity challenges as small tech start I will face different risk compared to large financial spending since I'm still starting to make it more useful I would need to gather more information within the industry and response that well known and know what journey they went through to make it success full from individuals working from different industries this will help even more with project and avoid and risk in the future which is always natural the aim of search for the individual that will may be is people that have experience in project management IT professionals and security analyst even though my project will be limited since I'm just start out in terms of scale it will niche since I have variety [10]perspectives that help me and ensure that my conclusion will be narrow and accurate as possible to start off.

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- [4] "What Is a Mind Map? Learn Its Benefits and How to Create One | The Workstream." Accessed: Mar. 04, 2026. [Online]. Available: <https://www.atlassian.com/work-management/project-management/mind-mapping>
- [5] "Project objectives: What they are & How to write them | The Workstream." Accessed: Mar. 04, 2026. [Online]. Available: <https://www.atlassian.com/work-management/project-management/project-objectives>
- [6] "9 Objectives of Project Initiation." Accessed: Mar. 04, 2026. [Online]. Available: <https://www.apm.org.uk/blog/9-objectives-of-project-initiation/>
- [7] "Project management in research - Vitae." Accessed: Mar. 04, 2026. [Online]. Available: <https://vitae.ac.uk/resource/skills-for-research/research-management/project-management-in-research/>
- [8] "How to Write Effective Project Objectives & Goals Every Time - ProjectManager." Accessed: Mar. 04, 2026. [Online]. Available: <https://www.projectmanager.com/training/how-to-write-effective-project-objectives-every-time>
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