# Assignment: Propose a Tool (10%)

You have learned about technological tools and resources this term that the entrepreneurship team believes are valuable to you as innovators within companies and when starting ventures.

These tools included:

* Trello
* SQL
* Python 3
* Edraw
* TinkerCad
* Utilmaker Cura
* 3dPrintingOS
* Wix / NonCode
* Screen-cast-o-matic
* YouTube Studio
* LinkedIn Learning
* Khan Academy
* Chat GPT / Claude
* Figma

For this final assignment I want you to propose a free technological tool/skill/module/extension that should be a part of this toolkit and explain why you think it is valuable for management and entrepreneurship and students to be familiar with.

**You must include the following elements in order to earn an MVP on this assignment:**

1. **Reflection on your growth during this term (document).** Before you identify a tool to add to the innovation toolkit, I want you to write a short reflection (300 to 500 words) on your current technological toolkit. What has changed in your understanding of how technological tools function and can help or limit innovation? What have you learned about yourself in relation to these tools? What skills do you want to continue to deepen after this class? Did anything surprise you?

I hope you take a moment to celebrate the amount of work you accomplished during this semester; this is not an easy class. While you can’t become an expert, you can honestly share that you have had some experience with them and should be able to talk intelligently about their basic functions with a potential employer or partner in a new idea. You also have a huge number of newly acquired LinkedIn Learning certificates as well. 😊

1. **Identify a free technological tool** that you think students would benefit from completing module on. This may not be a tool we have already used in this class. The best tools would be things that you have utilized at internships or work, but also may include tools that you have been introduced to in classes OUTSIDE of the core LSB classes (ACC2010, BUS1110, BUS2110, BUS2210, BUS3985, BUS4970, ECO1000, ECO2300, FIN343, MGT3230, MKT3110) or the entrepreneurship core classes (ENT2500, ENT3400, ENT4600). Basically, ask yourself, what is the most useful tool I can share with others that they may not know how to use already? This also can be an extension of one of the tools/modules that we have covered. I know we wanted to spend more time on AI so this could be a natural extension of this process including the creation of your own custom Chatbot. If there is a LinkedIn Learning component that could be used as well along with any YouTube training, please include it in your training curriculum.
2. **Write a module guide(document)** like the guides that you have had in this class that clearly outlines a way for students to get to know how to use the tool and practice with it. If you analyze my guides, you will see that they have the following components:
   1. A title that names the tool
   2. An explanatory paragraph justifying why I think it’s important
   3. A list of minimum elements to earn an MVP
   4. A step-by-step guide to getting started with a link to the tool, at least one link to an external resource to guide learning, and an expectation of what students should do to engage with the tool
   5. An explanation of how it will be graded—does everyone earn a 100 for completion? Is there a quality component to the grade? If so, how should the quality be measured?
3. **Record an introductory video (link or video)** Use screen-cast-o-matic or other comparable tool to show both the tool and your face and create a 3–4-minute introduction to the tool explaining why you think this tool is worth using and a quick tour of its elements, an example work product, or some other feature you think is helpful to get started. Upload this to YouTube Studio (as either public or unlisted) and link it to your Trello card.
4. **A completed Trello card** with the reflection document, module guide, video link, comment and other elements all in place. Place this under the appropriate Header in Trello based upon the Tool proposed.

**The Trello portion is due prior to your Exam on December 12th at 1pm. You will be presenting to me the solution during your assigned time.** You are showing me that you understand this process, can identify valuable tools for your own learning, and explain them to others. If you follow the MVP expectations this module will be 70% of the grade. The remaining 30% will be your presentation of the module and the objectives to achieve with this tool. You will **have five minutes** to pitch the tool. You can use slides and a quick demo, but this is going to be quick, and you need to try to convince me why adding this tool or module to the class would be beneficial to future students. Be prepared for at least one question. Best tool presentations (pitch) will get the best grades.

**Here are some suggestions for tools:**

Programming Languages:

* JavaScript: Remains the most used programming language, with 62.3% of developers using it. Its versatility in web development continues to be its strength.
* Rust: While not as widely used, it's the most admired language with an 83% admiration rate, known for its performance and reliability.
* TypeScript: Gaining popularity for its strong typing system, enhancing JavaScript development.

Databases:

* PostgreSQL: Now the most popular database, used by 49% of developers, showing a significant increase in adoption.
* MongoDB: Remains a popular choice for NoSQL databases, offering flexibility for unstructured data.
* Redis: Widely used for caching and real-time data processing.

AI and Machine Learning:

* TensorFlow: Widely used for machine learning and deep learning projects.
* PyTorch: Gaining popularity in the AI research community.
* Hugging Face: Becoming increasingly popular for natural language processing tasks.

Web Technologies:

* React: Remains a popular JavaScript library for building user interfaces.
* Vue.js: Gaining popularity for its simplicity and flexibility in web development.

Low-Code/No-Code Platforms:

* Bubble: Gaining popularity for its ability to create web applications without coding.
* Zapier: Widely used for automating workflows between different applications.

AI Assistants and Language Models

* Google Gemini: An advanced AI model designed to understand and process multiple data types, including text, images, audio, and video[6].

AI-Powered Content Creation

* Suno AI: A real-time audio generation and voice modeling tool for creating realistic AI-driven speech and sound
* Gamma AI: An interactive content creation tool for generating polished presentations and documents
* Adobe Firefly: A generative AI model for creating innovative graphics and images from scratch

AI for Video and Audio

* Adobe Premiere Pro: A video editing software with advanced AI features for content creation
* Runway: An AI-powered creative suite offering tools for generating images, videos, and animations
* Descript: A revolutionary AI video and audio editing tool that provides multiple editing capabilities on a single platform

AI for Business and Productivity

* Fireflies AI: An AI voice assistant that transcribes and summarizes meetings across various platforms.
* SentinelOne Purple AI: An AI-powered security tool that simplifies threat hunting and accelerates investigations.