BUSINESS CASE	
Proposed Project	Safety Toolbox
Date Produced	October 19, 2023 - [Updated November 6, 2023]
Background	Our customer is Ralph McKay Industries. They are in need of a tool that can keep track of their training requirements. Their current process is to keep track using a combination of spreadsheets and written documents. They have looked at using other HR tools before, but they haven't found one that would suit their needs. Their main concerns are the fact that OH+S requirements are different province by province, so they can't just use any tool, and they want their data to remain in-house instead of on some other company's server.
Business Need/ Opportunity	The opportunity that we have is to create an application that will allow Ralph McKay (and eventually other industrial manufacturing companies in Saskatchewan) to keep track of their safety related documents and help them remain compliant with OH+S laws in Saskatchewan.
Options	1. We do a desktop based application with the option to make it cross platform (i.e. a mobile version) in the future. 2. We make a web application. 3. We don't do the project.

Cost-Benefit Analysis

1. Desktop application that can be made cross platform in the future	
Cost	Benefit
- With testing for each platform, it will take longer to develop this application than a standalone mobile application - To mitigate this, we are primarily focusing on the Windows desktop experience and are looking at expanding this to mobile later - .NET Maui doesn't have an extensive list of built in controls, so we will have to spend time researching to find (hopefully free or low cost) controls that will work for what we're planning	- The technology (.NET Maui) that we're using for this is open source, so the actual development tools are free - This will integrate nicely with the rest of Ralph McKay's currently used technologies

2. Web application	
Cost	Benefit
- Will need to figure out hosting for this - Would need to figure out how to connect Ralph McKay's current databases to a web application (They use MS SQL Server for reference)	- We have more collective experience developing web applications than desktop ones - Would take less development time since it is not platform development

3. Don't do the project	
Cost	Benefit
- We will fail capstone	- Will have time to do other projects - Costs no money to develop

Note that option 3 is not a plausible option and is included for completeness sake.

Recommendation

Option 1 is recommended because it allows us to make a solution that our customer is looking for and it'll be able to connect with their pre-existing technology setups.