



ENSE 405

Activity #1: Being a Technology Steward

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Instructions

It is sometimes helpful to reflect on a software engineering activity before diving into it. This document helps to collect your thoughts regarding what ideas, processes, people, technology, other assorted *things* that you think need consideration, or that have value to guiding your work before embarking on your journey. Fill this document out before selecting one (or more) of the UN Sustainable Goals

About you as a technology steward	
Personally	Your notes:
Why are you doing this? What do you expect?	Many people, including myself are not aware of how to properly dispose recyclable items. With developing an application people will be able to quickly confirm what items are deemed recyclable. I expect to develop an application that will help educate the community on how to recycle properly.
What is your background (e.g., technology or community) and how does this affect your biases?	I have experience with developing educational tools from class projects and personal projects.
How much energy and time do you have for stewarding?	I am eager to learn more about software development that involve the community habitats and how I can contribute to help reduce waste pollutants.
How will you learn what you need to know?	I will research the topic of recyclable items, how they affect our environment, and how to dispose of recyclable items. As for what technology to implement to develop I will need to research on what is the best way to implement my ideas to develop a minimal viable product. The internet has an abundant amount of information for me to learn.
Who can provide support to you personally?	There are many resources on the internet that can be researched, in which I can learn and apply to the development of my application. Hopefully, I can also get insight from Dr. Timothy Maciag and Dr. Roger Petry on developing an application from their experiences.
In your community	Your notes:
What is your relationship to the community?	My relationship with the community of sustainable consumption is that everyone is responsible to take better care of the planet, and one way is through recycling properly.
What is your relationship to community leaders?	I do not have any strong relationships with any community leaders. Though possibly getting in contact with community leaders that have information about sustainability initiative will be helpful.
What ways do you have to understand the community activities/practice?	The internet has many resources that have incorporate a mindset of sustainability. Along with that, locally there are many people I can relate to the



	community's activity of actively pursuing recycling waste to keep the environment clean.
What or who gives you the legitimacy to play this role?	Everyone has their way of trying to contribute to help keeping our world livable. My part as an engineer it is the obligation to serve humanity by making use of technology and information that we have, to help develop a solution.
Who else is interested and could help you by offering resources?	Anyone who is interested in contributing to the responsible consumption and production initiative that can give me more insight.
About the work of stewarding	
Check the principles that are particularly relevant to you	Why are they relevant? What do these mean to you?
<input type="checkbox"/> Vision before technology Do you need to understand the vision of/for your community's success before you dive into the technology solution?	I would need to understand the vision for the community's success. Researching and planning, I believe are key to a successful project. I will be able to understand what I will be able to achieve and what are the limiting factors before diving into development.
<input type="checkbox"/> Keep it simple Do you value the simplest solution for your community at this point in time? Is that "good enough?"	I do wish to make a simple solution at first that will adhere to low threshold and low functionality, but further on develop it to make it a high functional application while keeping the low threshold.
<input type="checkbox"/> Let it evolve Do you value helping the community have a sense of its own evolution? Think of technology, not as a system, but as an integral part of the evolution of your community	I do value helping the community have a sense of its own evolution to help encourage the community to find the best solution.
<input type="checkbox"/> Use the knowledge around you Do you value who can you tap to learn with and from	There is no better than learning from others. Ingesting information and opinions to help me learn and understand what is lacking in the community. (what gaps can I help fill and or strengthen any points)
<input type="checkbox"/> Always back it up Do you value having What a backup plan (for data, information, and knowledge?	I do value a backup plan for sources of data, information, and knowledge. Where all the main sources will be coming from research from the internet. Information, data, and knowledge can come from other sources other than the internet such as asking around locally.