Saikat Safa

August 28th, 2021

The Knowledge House

Module 7 – Design Thinking

The problem in many of our communities is the littering of plastic, glass bottles and cans. This has a very bad effect to our environment due to all the pollution and waste. My group members and I will build a web app, as well as a mobile application where people within the community can come together and commit to this change of no littering and recycling instead. For example, they would have the permissions to add locations to recycle dispensers and trash disposals and have the ability to view it in a map system along with other features including all the locations and the availability left regarding whether if the disposals are full or not. We will attempt this project by using and applying HTML, CSS, JavaScript for the front-end, and some JavaScript libraries we might have to learn to have those additional features, but we will try to use that and PHP and MySQL for the back end. The front-end should be professional and user friendly for beginners to register and sign up to news and updates about the goals of our project. It will allow them to login also as an existing user and easily set up and follow to locations for delivery of the waste products or recyclable items. The back end will be set up using database and on the server side will store information about each location and the user should also have the option to enable location sharing and the sharing of data to help us better understand what should be given more attention. This project will be community driven and with each user or neighbors’ participation it will go far and help reduce our carbon emissions and waste elimination by the use of recyclable it advises them to recycle more often than per usual. Also, there will be a reward system where users will be rewarded somehow with points or stars like some in app currency or something for each recycle, they do and participate in within the week. Although it won’t be profitable at the start, we plan to roll out features that sooner or later it will have that allows us to make some money through donations of the greater good and our primary source of profit will be thorough the collection of data and advertisements and as well as user engagement.