For the Pocket Tissue Challenge, the team received the opportunity to work with Essity, formerly known as SCA. Our design challenge was to redesign their current pocket tissues that they are currently selling on the market. The parameters for this project was that the pack of tissues needed to be able to still fit in a standard pocket, have the capacity of approximately 7-10 tissues. Additionally, when creating our design, our initiative was to allow the user to be able to open the package of tissues and obtain a single tissue with one hand while also being environmentally friendly.

The project objectives were to be able to create a CAD model of the fully functioning product, a physical prototype, and a video presenting our new design. During the course of the semester our team met with two representatives from Essity on a weekly basis. We were also in contact with our project advisor through weekly updates via email.

Our approach to this project started with a survey for our friends and families asking them what they liked and disliked about the current pocket tissue packaging. From their feedback, the team began the brainstorming process and compiled a list of improvements that we wanted to implement. After creating various sketches to showcase these improvements, we presented our designs to the two Essity representatives to receive their thoughts and opinions. After this meeting, we came up with our final design by incorporating three original sketches together.

In our final design, we were able to come up with a new type of packaging that has never been seen in the market. We chose carton paper material for the exterior of the packaging to protect the tissues but also to maintain biodegradable standards. The new method of folding the tissues was to be rolled and perforated so each tissue is as fresh as the first. Both the outside packaging and new method of folding the tissue can be shown in Figures 1-2.