

For our final project, we developed software tailored for our custom keyboard store, DSJT Keyboard Shop. This software enables users to customize their selections by choosing from a wide range of switches, case layouts, and keycap profiles based on their preferences. Designed with a user-friendly interface, we hope to provide exceptional products to those looking for an elevated typing experience. Our software contains a Python code file which consists of the main functions that allow our software to run, as well as imported appJar, pandas, and tkinter modules. The inclusion of the panda's module allows us to retrieve the CSV file containing our products within the switch, layout, and keycap profile categories. AppJar is a library that was used to create the graphical user interface(GUI), providing a more visually appealing, interactive experience. Users can browse through categories and select products until they are ready to proceed to checkout and exit the application. We've also integrated a chatbot to aid users with unfamiliar requests that our software may not be able to respond to. When encountering unfamiliar keywords, the chatbot will ask the user to define the keyword and provide an anticipated corresponding response. Overall, we strived to create software with many functional components to provide an accessible, interactive experience to our customer base.