Polyglot Go – Bridging Language Barriers Through Innovation

For our capstone, we were working in a group of two to create a language learning app called “Polyglot Go” which run on platform such as desktop, iPad, and iPhone.

In a world increasingly defined by linguistic diversity, language barrier has become a main issue for everyone especially for the newly transferred or admitted students. Due to this, learning new languages, cultures, and making new friends have emerged as a real challenge. However, this should not present an obstacle to prevent one’s passion; we believe learning new language and cultures should be fun and simple. This would be the core objective for our project, which is to make the learning process easier and more enjoyable.

In crafting our application, we did various research on finding a more efficient way to write and manage our code files. Our strategic choice was made to employ “FlutterFlow” as the main development environment. The choice stems from the uniqueness of the platform to seamlessly meld visual design (Front end) with underlying Dart code (Backend), resulting in dynamic and responsive user interfaces. Moreover, FlutterFlow gave us the ability to create complex widgets, tools, deploy APIs and interactions that can simulate real-world language usage scenarios (such as our flashcard’s flipping card widget, etc.)

Overall, we utilized FlutterFlow to create 3 different learning types such as Flashcard, wordmatching and Translation; and each learning type supports three different languages such as Chinese (Mandarin), Vietnamese and Khmer (Cambodian). On top of that, we created basic login (sign up) page, home page (language selection), progress page, goal page, etc. Furthermore, it is noteworthy to mention that we used Google Firebase service as our main database to store our user information and language data pack.

In summary, “Polyglot Go” represents the fusion of innovative technology and creative teaching ideas, offering a more enjoyable approach to language learning. By making language learning fun and easy, we contribute to breaking down barriers and fostering meaningful connections among diverse communities.