A breakdown of the tech stack that will be used within the project

A tech stack is the combination of technologies a company uses to build and run an application or project. A tech stack typically consists of programming languages, frameworks, a database, front-end tools, back-end tools, and applications connected via APIs (Application Programming Interfaces).

For our web-based services, we have chosen to use Microsoft Azure for its great reputation. Its security is top notch and provides great services to keep our customers' data secure. We want to make sure that none of the data that we collect from customers throughout the app is lost or stolen as it would damage our reputation.

For our programming language, we have decided that python is the most suitable language to create our app as we do not require a website, but just an app by itself. Therefore, it will be easier to have better organization and the deployment to the app stores.

For our frameworks, we want to use multiple APIs to make the creation of the app easier and faster. Some APIs will also be included to make the use of our app easier for customers. This is because we want to increase the efficiency of logging. We want the user to use their Facebook account to create an account for the Kranky Koffee. Google maps API (Application Programming Interfaces) could be used for locating the customer’s current location in order to find his closest Krunky Koffee place for them to put orders in. Another API to be used would be UberEats and Doordash in order to let customers order their Krunky Koffee items and have them delivered to their desired destination. This is something we want to add to give more features to the app and allow the customers to have more options to receive their items.

As our database, we want to use IBM cloud database as it has extraordinarily strong security and we do not want any of our data and customer’s data to be leaked as it will not only cause our reputation to sink which would lead to a decrease in income, as well as a loss of customers and sales. Therefore, we plan to do anything to make this avoidable.

For our front-end tool, we want to use Adobe Illustrator, as it is relatively cheap and is a trusted tool to use for graphic design. The reason we want to use Adobe Illustrator is because it is easy to use for the development of a mobile app.