Project Design Phase-I
Proposed Solution Template

Date	20 october 2023
Team ID	591092
Project Name	Snack Squad : A Customizable Snack Ordering and Delivery App

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	It lacks efficiency, making it difficult for customers to quickly place their orders. Additionally, the limited snack options result in a lack of variety, restricting customers' choices based on their preferences and dietary requirements. It's also challenging for customers with specific dietary needs to make informed choices since the platform doesn't provide sufficient dietary information about the snacks. These are definitely areas that could use improvement to enhance the overall snack ordering experience!

S.No.	Parameter	Description
2.	Idea / Solution description	We'll make the snack ordering app awesome by adding user profiles, a recommendation system, real-time tracking, multiple payment options, an in-app wallet, language support, a review system, special promotions, delivery optimization, eco-friendly packaging, healthier snack options, group orders, offline mode, allergen alerts, and augmented reality. We'll also collaborate with local partners for a wide range of options. The ordering process will be straightforward, and you can easily browse snacks with detailed dietary information. We'll even have different offers and discounts. It's going to be amazing!

3.	Novelty / Uniqueness	Users can create their own snacks virtually, choosing ingredients, flavors, and toppings, giving a unique and personalized experience. Offering multiple language options further enhances accessibility and inclusivity.
4.	Social Impact / Customer Satisfaction	The growth of snack delivery services can open up employment opportunities for delivery drivers, customer service personel, and kitchen staff. Effective order management and inventory tracking in these apps can minimize food wastage by ensuring snacks are prepared and delivered according to real-time demand. Customers have the freedom to browse menus, check out reviews, and see ratings to make well-informed choices. And when it comes to timely delivery, it truly enhances the overall experience.

5.	Business Model (Revenue Model)	The app earns money by taking a commission from restaurants for each order, which is then divided among employees. Additionally, users are charged a delivery fee for doorstep convenience, and that fee is given to the delivery person.
6.	Scalability of the Solution	To optimize our app's performance,we are considering a cloud-based architecture like AWS, Azure, or Google Cloud. This allows for scalability, load balancing, and flexible resource allocation. Implement load balancers to distribute network traffic across multiple backend servers, preventing bottlenecks. For effective data handling, we use a scalable database system with more features .