

Project Design Phase-I Solution Architecture

Date	23 October 2023
Team ID	PNT2022TMID 591068
Project Name	Project – Food Delivery App (Snack Squad)
Maximum Marks	4 Marks

Solution Architecture:

To develop a sophisticated food delivery app, you can harness the power of Jetpack Compose and Firebase. Jetpack Compose, an Android UI toolkit, facilitates the creation of a user-friendly interface with responsive layouts, custom UI elements, theming, and smooth navigation. Firebase, a cloud-based platform, offers essential services, including secure user authentication with third-party integrations, real-time database functionality for live updates and order tracking, serverless backend logic through Cloud Functions, cloud storage for user-generated content, push notifications via Firebase Cloud Messaging, performance monitoring and analytics, and robust security rules. Additionally, Firebase's integration with Google Maps can be leveraged for geolocation features, ensuring that your food delivery app delivers a seamless, secure, and feature-rich experience for both customers and restaurant owners while accommodating scalability and real-time updates

Solution Architecture Diagram:

