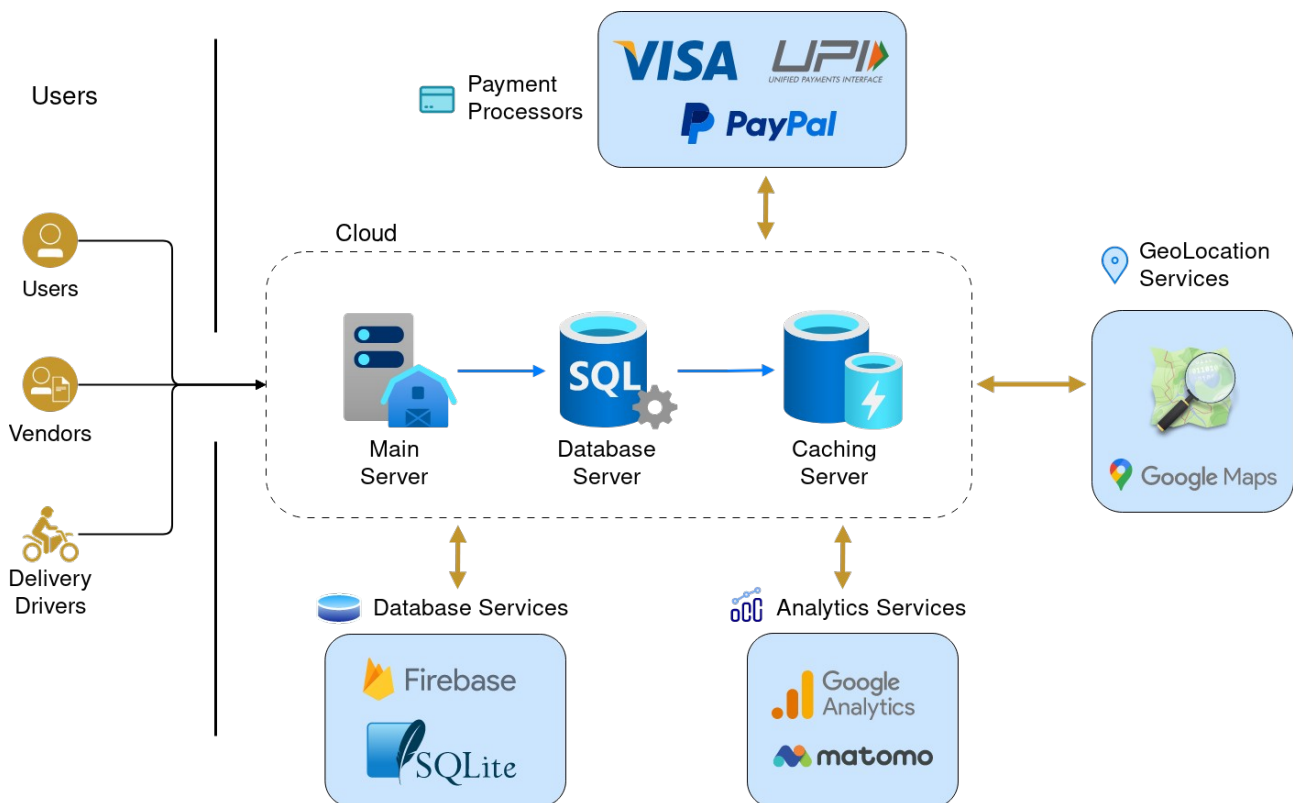


Project Design Phase-II

Technology Stack (Architecture & Stack)

Date	27 October, 2023
Team ID	Team-591097
Project Name	Snack Squad
Maximum Marks	4 Marks

Technical Architecture –



Components and Technologies –

S. No	Component	Description	Technology
1.	User Interface	How the user interacts with the application.	Kotlin, Jetpack Compose
2.	Application Logic	Logic for backend processes in the application.	Kotlin
3.	Local Database	Database stored in the phone's storage	SQLite, Room
4.	Cloud Database	Database stored in the cloud	Firebase Firestore
5.	External API	API used for payment	Razorpay

Application Characteristics –

S. No	Characteristics	Description	Technology
1.	Open Source Frameworks	Open Source frameworks used in the application	Jetpack Compose
2.	Security Implementation	Security methods implemented in the application	Secure payment transactions using Razorpay
3.	Availability	The app is very robust to failure	Google Cloud to store the database.
4.	Performance	App tries to be highly performant	Few requests are made to the server. Caching is used to increase performance.