Date	15 October 2022
Team ID	PNT2022TMID53191
Project Name	Project - Personal Expense Tracker
Maximum Marks	4 Marks

Personal Expense Tracker Application

Technological Architecture
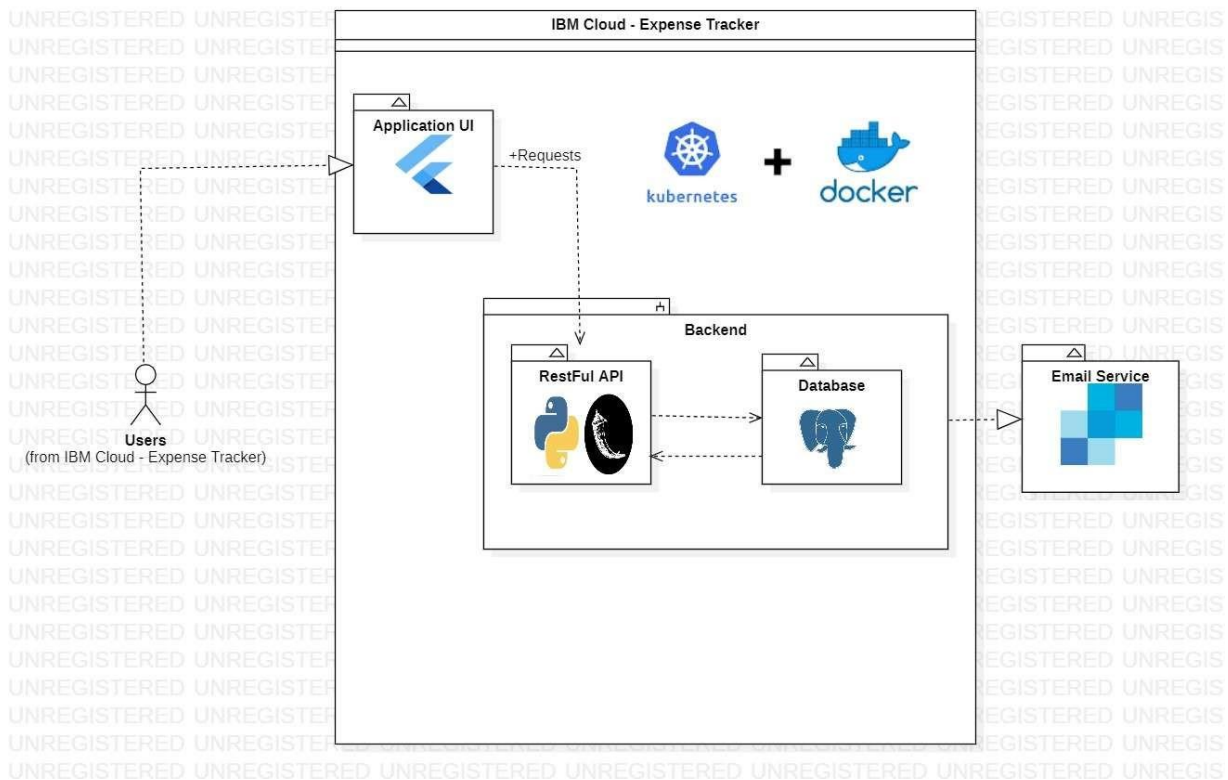
Component	Description	Technology
UI	User Interface for accessing features of the application	Flutter
Server Implementation	Provides RestFul Services for manipulating user data from the events of UI	Python:Flask

DB	Persistent Data storage	PostgresSQL
Mail Service	Sending mail to user in case of any important event	Sendgrid
Deployment	Deployment of application in the cloud	Containerization by Docker, Orchestration by Kubernetes

Application Characteristics: **Personal Expense Tracker Application**

Characteristics	Description	Technology
Open Source	Source Code of tools available to public	All tools used for development are open source by nature
Security	Maintaing Data Confidentiality and Authorization	Brcypt for hashing and AES for encryption, HTTPS for overall security during transmission
Scalability and Availability	Use of microservices ensures scalability in business logic, Cloud Application serves very well in Scability and Availability	Flask - microservices architecture, Kubernetes for maintaing scalibility in deployment