Project Design Phase-I
Solution Architecture

Date	19 September 2022
Team ID	PNT2022TMID23325
Project Name	Project - Personal Expense Tracker
Maximum Marks	4 Marks

Solution Architecture:

- The proposed solution architecture (Fig. 1) uses multiple IBM cloud solutions together to provide a fast, scalable app built using python and react.
- The application is dockerized and pushed to the IBM Container Registry.
- The docker image is then pulled by the IBM Cloud Kubernetes service workers exposing the application to the internet.
- The application uses the IBM Databases for MongoDB as its database where the user's data is stored.
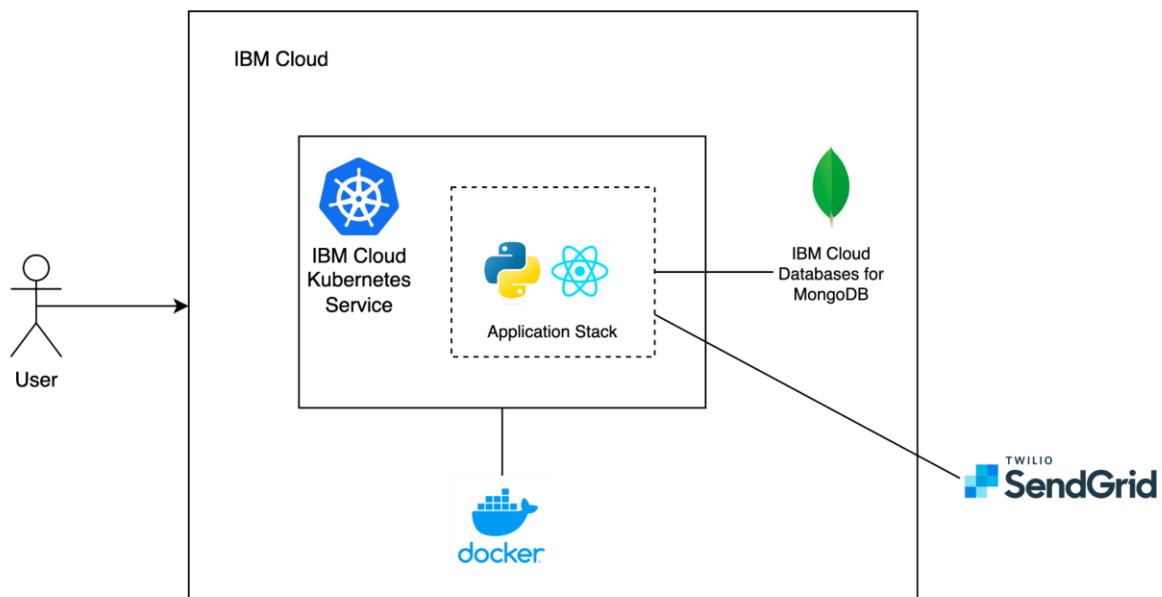- The application uses SendGrid APIs to send scheduled emails to users.

Figure 1: Solution Architecture of Expense Tracker App