IBM-Project-30293-1660143583

Personal Expense Tracker Application

Team ID : PNT2022TMID23198

TEAM MEMBERS:

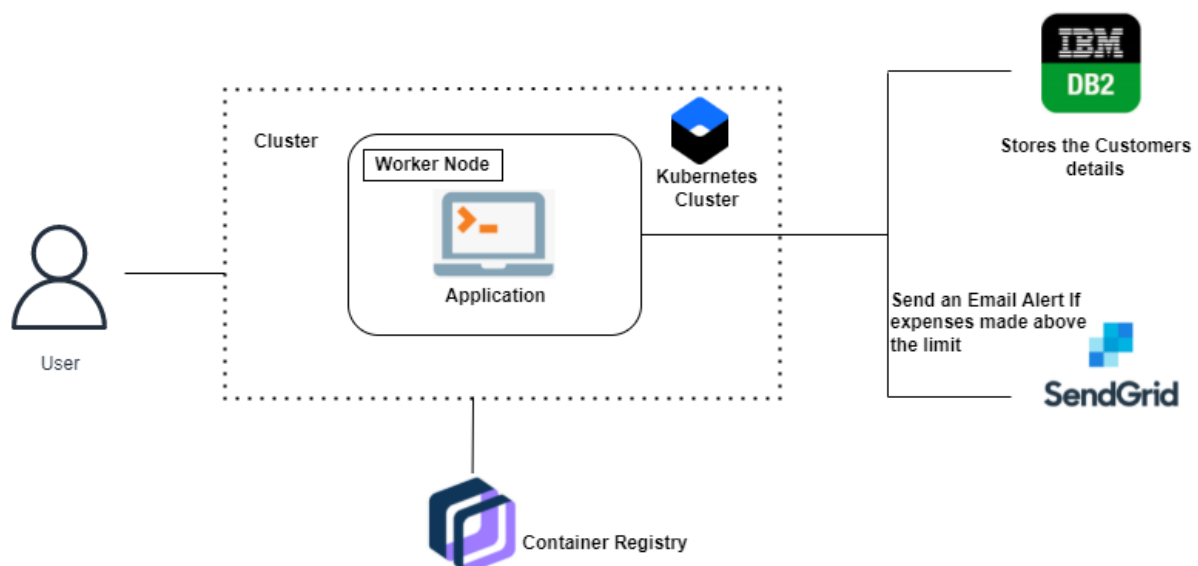-Sowmiya Devi G

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Abstract:

In simple words, personal finance entails all the financial decisions and activities that a Finance app makes your life easier by helping you to manage your finances efficiently. A personal finance app will not only help you with budgeting and accounting but also give you helpful insights about money management.

Personal finance applications will ask users to add their expenses and based on their expenses wallet balance will be updated which will be visible to the user. Also, users can get an analysis of their expenditure in graphical forms. They have an option to set a limit for the amount to be used for that particular month if the limit is exceeded the user will be notified with an email alert.

Technical Architecture:

Project Progress :

Setting up Application Environment

- ☑ Create Flask Project
- ☑ Create IBM Cloud Account
- ☑ Docker CLI Installation
- ☑ IBM Cloud CLI Installation
- ☑ Create Sendgrid Account

Ideation Phase

Literature Survey

- ☑ Empathy Map Canva
- ☑ Brainstorming & Ideation
- ☑ Project Design Phase 1

Proposed Solution

- ☑ Problem Solution Fit
- ☑ Solution Architecture
- ☑ Project Design Phase 2

Customer Journey

- ☑ Functional Requirement
- ☑ Technology Architecture
- ☑ Data Flow Diagram

Implementing Web Application

- ☑ Create UI to interact with Application
- ☑ Create IBM DB2 and connect with Python

Integrating Sendgrid Service

- ☑ Sendgrid integration with Python

Developing a ChatBot

- ☑ Build ChatBot and Integrate with App

Project Planning Phase

- ☑ Prepare Milestone and Activity List
- ☑ Sprint Delivery Plan

Project Development Phase

- ☑ Delivery of Sprint-1
- ☑ Delivery of Sprint-2
- ☑ Delivery of Sprint-3
- ☑ Delivery of Sprint-4

Deployment of App in IBM Cloud

- ☑ Containerize the App
- ☑ Upload Image to IBM Container Registry
- ☑ Deploy in Kubernetes Cluster