

Project Design Phase-II

Technology Stack (Architecture & Stack)

Date	03 October 2022
Team ID	PNT2022TMID17070
Project Name	Personal Expense Tracker Application
Maximum Marks	4 Marks

TECHNICAL ARCHITECTURE:

The following diagram depicts the technical architecture of our application.

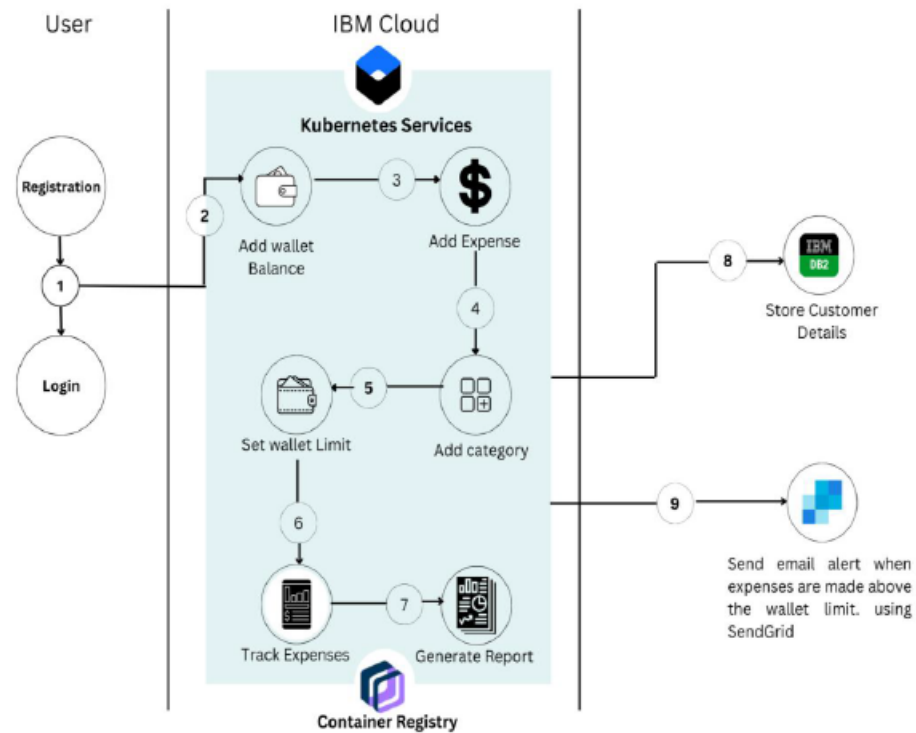


FIG.1.1 ARCHITECTURE OF PERSONAL EXPENSE TRACKER

COMPONENTS & TECHNOLOGIES:

S.NO	COMPONENT	DESCRIPTION	TECHNOLOGY
1.	User Interface	How user interacts with application e.g. Web UI, Mobile App, Chatbot etc.	HTML, CSS, JavaScript
2.	Registration and Login	To develop the application	Python, Docker
3.	Wallet Dashboard	IBM Cloud Kubernetes Service provides a native Kubernetes experience that is secure and easy to use. This tool is used to load-balance, scale, and monitor the containers.	IBM Cloud Kubernetes Services
4.	Tracking of Expenses	Logic for a process in the application	IBM Watson Assistant
5.	Database	Data Type, Configurations etc.	MySQL, NoSQL, etc.
6.	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloudant etc.
7.	File Storage	File storage requirements	IBM Block Storage or Other Storage Service or Local Filesystem
8.	External API-1	To send email alerts when the expenses are made above the wallet limit.	SendGrid