

Project Design Phase-II
Technology Stack (Architecture & Stack)

Date	20 October 2022
Team ID	PNT2022TMID35639
Project Name	Personal Expense Tracker Application
Maximum Marks	4 Marks

Technical Architecture:

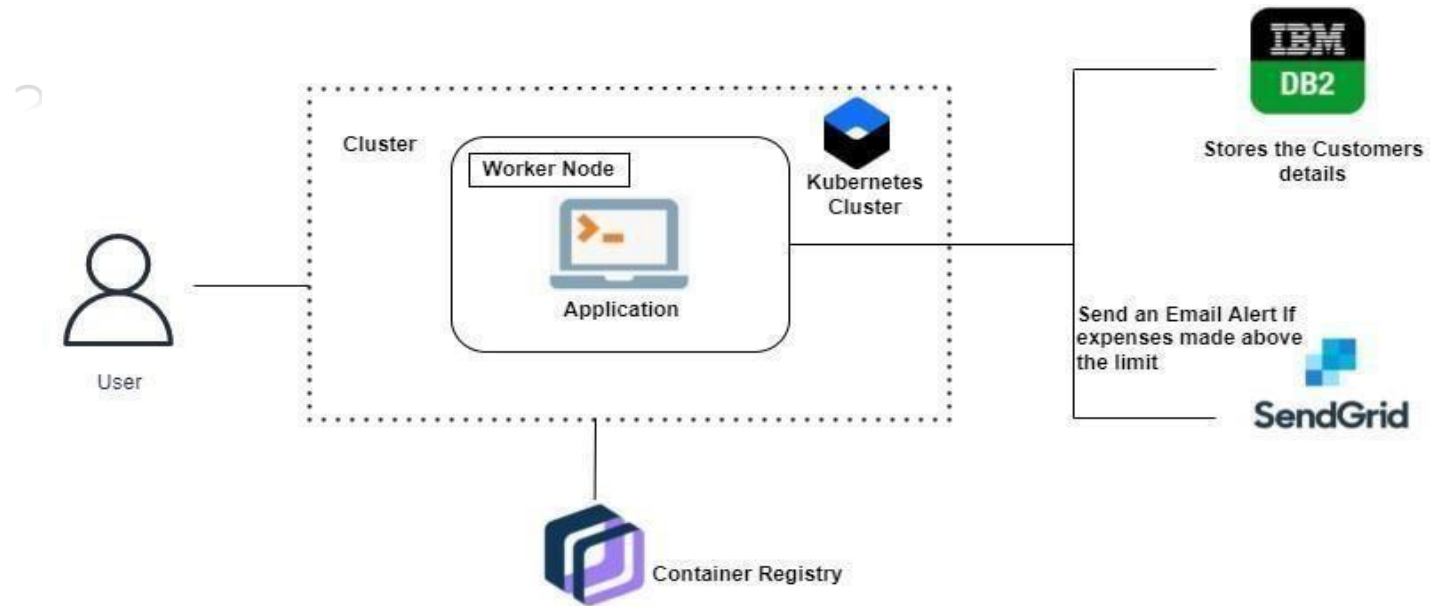


Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	User interface interacts with host 5000	HTML, CSS, JavaScript
2.	Application Logic-1	Calculating expenses	Python
3.	Application Logic-2	Let you to build conversational interfaces into any application, device or channel	IBM Watson Assistant
4.	Application Building	It can be built for web application	Flask
5.	Cloud Database	Used to store and retrieve data	IBM DB2

6.	Infrastructure (Server / Cloud)	Helping to orchestrate different types of containers and deploying them to clusters	Kubernetes
7.	File Storage	File Storage Requirements	IBM Object Storage

Table-2 : Application Characteristics

Sl. No	Characteristics	Description	Technology
1.	Open-Source Frameworks	It provides libraries to build light weight application	Flask
2.	Security Implementations	Building a secure application.	Encryptions
3.	Scalable Architecture	Micro-services	Docker
4.	Availability	Use of cloud environment to increase the availability of the application	IBM Cloud
5.	Performance	Containerized application to run the cluster of hosts	Kubernetes