

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

Date	03October 2022
Team ID	PNT2022TMID40376
Project Name	Personal expense tracker application
Maximum Marks	4 Marks

TECHNICAL ARCHITECTURE:

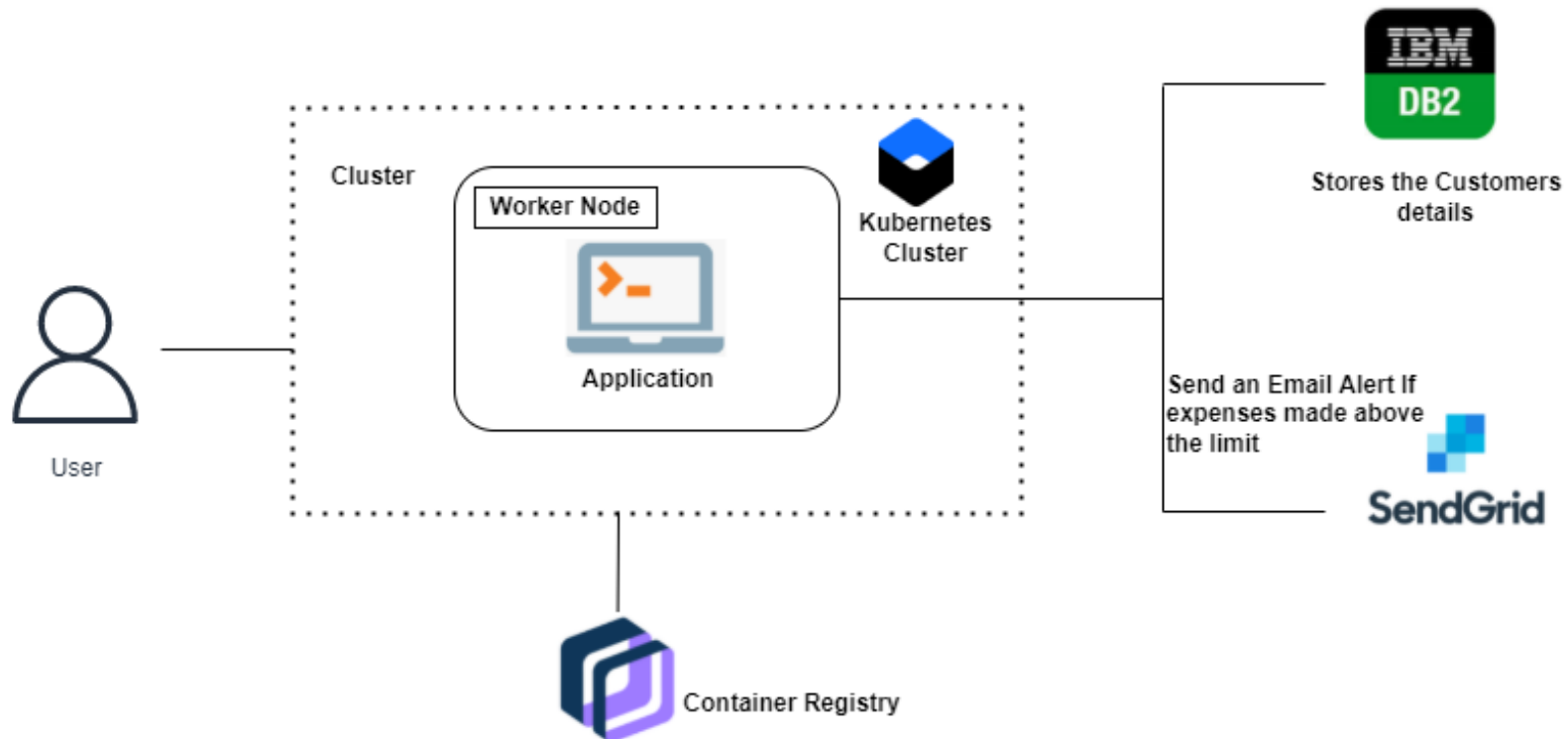


Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	The user can interact with us with the chatbot	HTML, CSS, JavaScript
2.	Application Logic-1	The application contains of login page into the main page	Java / Python
3.	Application Logic-2	The page contain of add expense,add income, save the money	IBM Watson STT service
4.	Application Logic-3	The user can get alert message through the mail when they exceed the limit	IBM Watson Assistant
5.	Database	The data can be stored in the cloud database and MySQL database	MySQL, NoSQL, etc.
6.	Cloud Database	For the end to end encryption the data are stored in secured manner in the cloud database	IBM DB2, IBM Cloudant etc.
7.	File Storage	IBM Blockstorage used to store the Financial data of the user	IBM Block Storage or Other Storage Service or Local Filesystem

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Python flask used to implement this application	Python-flask
2.	Security Implementations	This application is more secure because of cloud database and container registry to store the data	Container registry,Kubernete Cluster
3.	Scalable Architecture	This app is more scalable because this app is more helpful to monitor our income and expense	DB2,Container registry,kubernetes cluster
4.	Availability	This app is available at anytime and anywhere when the user is in the online mode	DB2,Container registry,kubernetes cluster
5.	Performance	The performance of this app is higher because the server is free and no traffic is accured	Kubernetes Clusters