

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

Date	14 October 2022
Team ID	PNT2022TMID49997
Project Name	Personal expenses tracker Application
Maximum Marks	4 Marks

Technical Architecture:

The Deliverable shall include the architectural diagram as below and the information as per the table1 & table 2

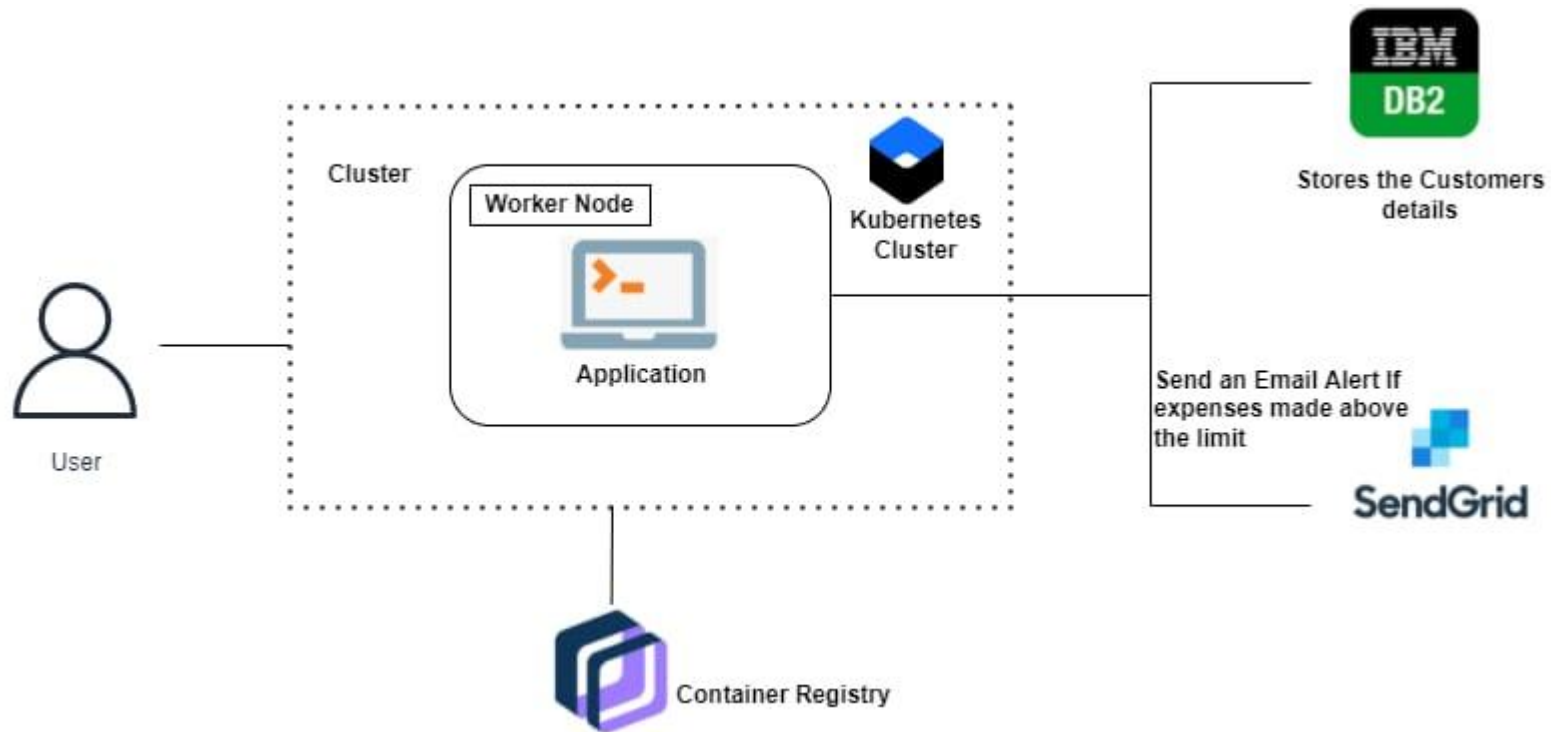


Table- 1 : Components & Technologies:

S. No	Component	Description	Technology
1.	User Interface	User interact with application using form, login, Request notification	Python FLASK, HTML, CSS
2.	Registration	User register in the application to connect bank account	Python FLASK, HTML, CSS, IBM DB2
3.	Registration	Verification of user and their account details	Python FLASK, HTML, CSS, IBM DB2
4.	Notification of registration	Sends the notification to the user	Python FLASK, HTML, CSS, IBM DB2
5.	Tracking of expenses	Expenses of user start tracking by application	Python FLASK, IBM Db2
6.	SendGrid	Sends email alert to user	sendgrid
7.	Cloud Database	Database Service on Cloud	IBM DB2
8.	Kubernetes cluster	Run Containerized application	IBM Kubernetes

Table-2: Application Characteristics:

S. No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Docker is used for Open Source Framework	DOCKER
2.	Scalable Architecture	It connected with Scalable Architecture	IBM DB2
3.	Availability	This application is anytime accessible	Python FLASK
4.	Performance	Record resource requests and save Registered information. Availability of application	IBM DB2

