V.S.B ENGINEERING COLLEGE, KARUR
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
IBM NALAIYA THIRAN
TECHNOLOGY ARCHITECTURE

TITLE : PERSONAL EXPENSE TRACKER APPLICATION
DOMAIN NAME : CLOUD APPLICATION DEVELOPMENT
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Technical Architecture:

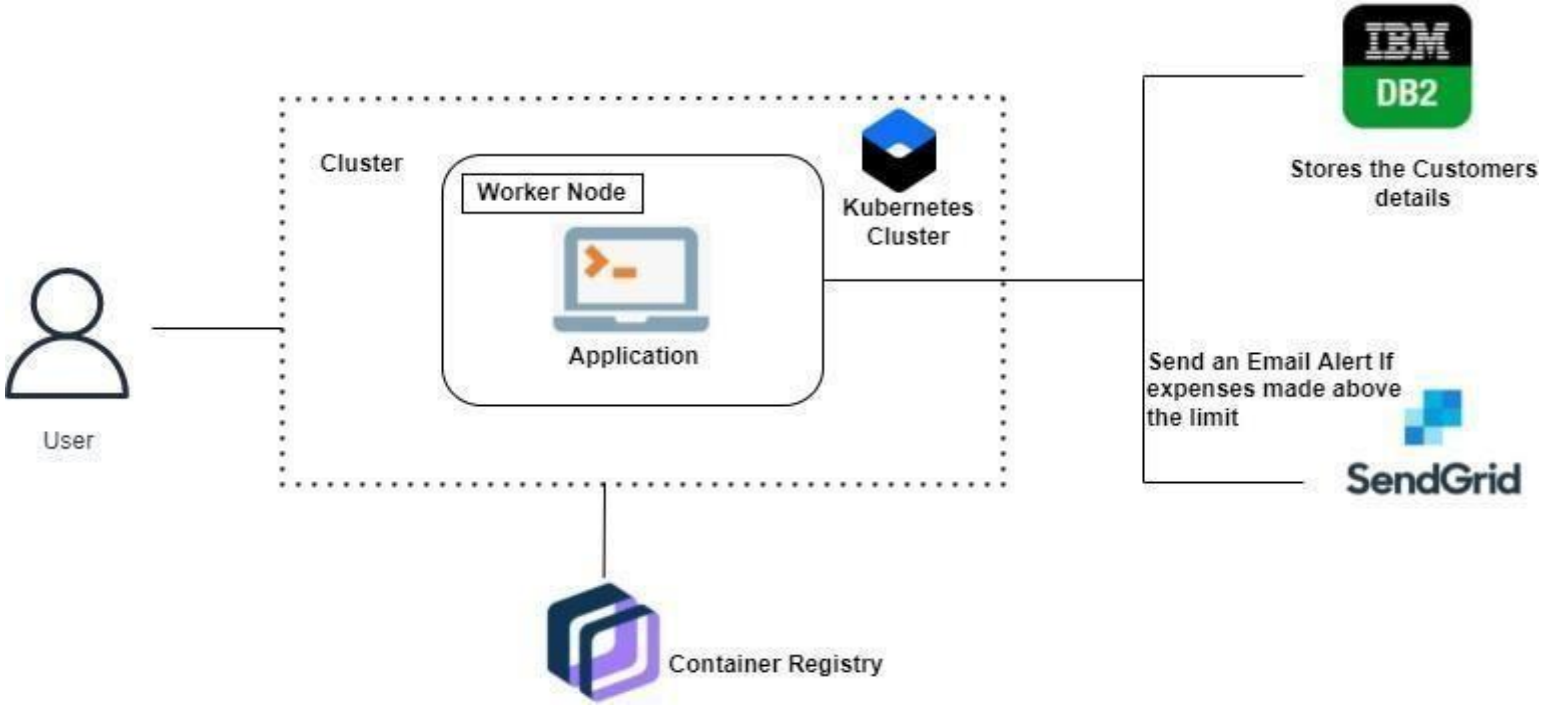

Table-1: Components & Technologies:

S.No.	Component	Description	Technology
1.	User Interface	The client can Collaborate with the application with utilization of Chatbot	HTML, CSS, JavaScript / Angular Js / React Js etc.
2.	Application Logic-1	The application contains the sign in/up where the client will login into the primary dashboard	Java / Python
3.	Application Logic-2	Dashboard contains the fields like Add pay, Add Costs, Save money	IBM Watson STT service
4.	Application Logic-3	The client will get the cost report in the graph structure and furthermore get alarms if the expense limit exceeds	IBM Watson Assistant,SendGrid
5.	Database	The Income and Expense data are stored in the MySQL database	MySQL, NoSQL, etc.
6.	Cloud Database	With use of Database Service on Cloud, the User data are stored in a well secured Manner	IBM DB2, IBM Cloudant etc.
7.	File Storage	IBM Block Storage 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	Flask Framework in Python is used to implement this Application	Python-Flask
2.	Security Implementations	This Application Gives high security to the client Monetary information. It tends to be finished by involving the Container Registry in IBM cloud	Container Registry, Kubernetes Cluster
3.	Scalable Architecture	Expense Tracker is a daily existence time access request. It's interest will increment when the client's pay are high	Container Registry, Kubernetes Cluster
4.	Availability	This application will be accessible to the client at any piece of time	Container Registry, Kubernetes Cluster
5.	Performance	The exhibition will be high since there will be no network traffic arise in the application	Kubernetes Cluster