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

Date	14 October 2022
Team ID	PNT2022TMID15392
Project Name	Personal Expense Tracker Application
Maximum Marks	4 Marks

Technical Architecture:

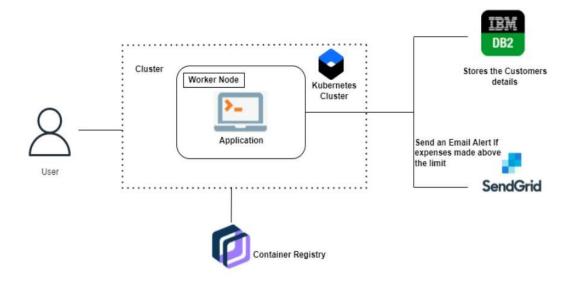


Table 1: Components & Technologies:

Chatbot / React 2. Application Logic-1 The application contains the sign- in/sign up where the user will log in to the main dashboard 3. Application Logic-2 The dashboard contains the fields like Add income, Add Expenses, Save Money	
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report in the graph form and also get alerts if the expense limit	
get alerts if the expense limit	Vatson Assistant
evceeds	
CACCCUS	
5. Database The Income and Expense data are MySQ	L, NoSQL, etc.
stored in the MySQL database	
6. Cloud Database With the use of Database Service IBM	DB2, IBM
on the Cloud, the User data are Clouda	ant etc.
stored in a well secure Manner	
7. File Storage IBM Block Storage is used to IBM F	Block Storage or
store the Financial data of the use Other	Storage Service
or Loc	al Filesystem

Table 2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source	Flask Framework in Python is used	Python-Flask
	Frameworks	to implement this Application	
2.	Security	This Application Provides high	Container Registry,
	Implementations	security to the user's Financial data.	Kubernetes Cluster.
		It can be done by using the	
		Container Registry in the IBM cloud	
3.	Scalable	Expense Tracker is a lifetime access	Container Registry,
	Architecture	supplication. Its demand will	Kubernetes Cluster.
		increase when the user's income is	
		high	
4.	Availability	This application will be available to	Container Registry,
		the user at any part of the time	Kubernetes Cluster.
5.	Performance	The performance will be high	Kubernetes Cluster.
		because there will be no network	
		traffics in the application	

References:

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 $\underline{https://developer.ibm.com/patterns/online-order-processing-system-during-pandemic/}$

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 $\underline{https://aws.amazon.com/architecture}$

 $\frac{https://medium.com/the-internal-startup/how-to-draw-useful-technical-architecture-}{diagrams\ 2d20c9fda90d}$