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

Date	03 October 2022
Team ID	PNT2022TMID15216
Project Name	Personal Expense Tracker
Maximum Marks	4 Marks

Technology Architecture:
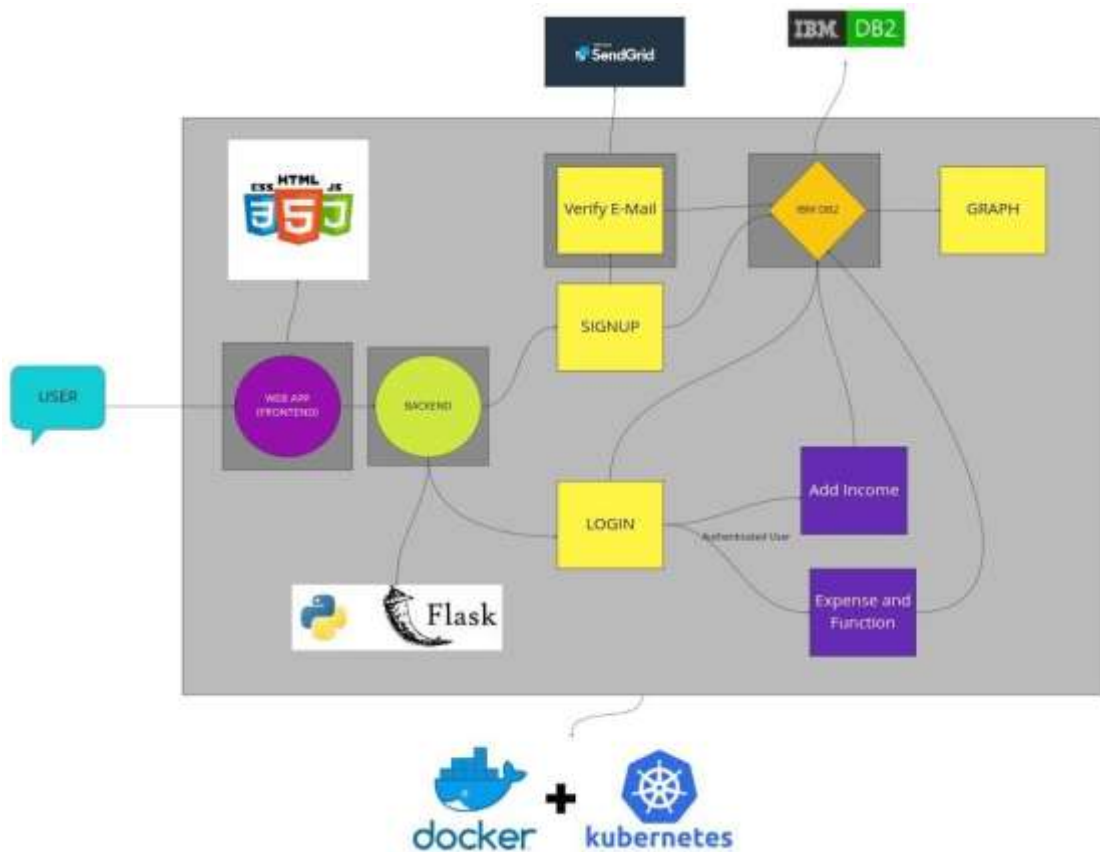
Table-1:COMPONENTS AND TECHNOLOGIES

S.No	Components	Description	Technology
1	User Interface	User interacts with WebUI	HTML,CSS,JavaScript
2	Application Logic-1	The application contains the sign-in/sign-up logic and login to the dashboard	Java/Python
3	Application Logic-2	To send the email	SendGrid
4	Database	To store the data	MySQL
5	Cloud Database	Database Service on Cloud	IBM DB2
6	File Storage	To keep track of expenses	IBM Block Storage

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Flask Framework in Python is used	Python-Flask
2.	Security Implementations	This Application Provides high security to the user Financial data. It can be done by using the Container Registry in IBM cloud	ContainerRegistry, Kubernetes Cluster
3.	Scalable Architecture	It provide no isolate the internal code dependencies	Python
4.	Availability	Runs everywhere and user friendly	Docker
5.	Performance	Orchestrate containerized application to run the cluster of hosts	Kubernets