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

Date	19 October 2022
Team ID	PNT2022TMID22045
Project Name	Personal Expense Tracker Application
Maximum Marks	4 Marks

Technical Architecture:

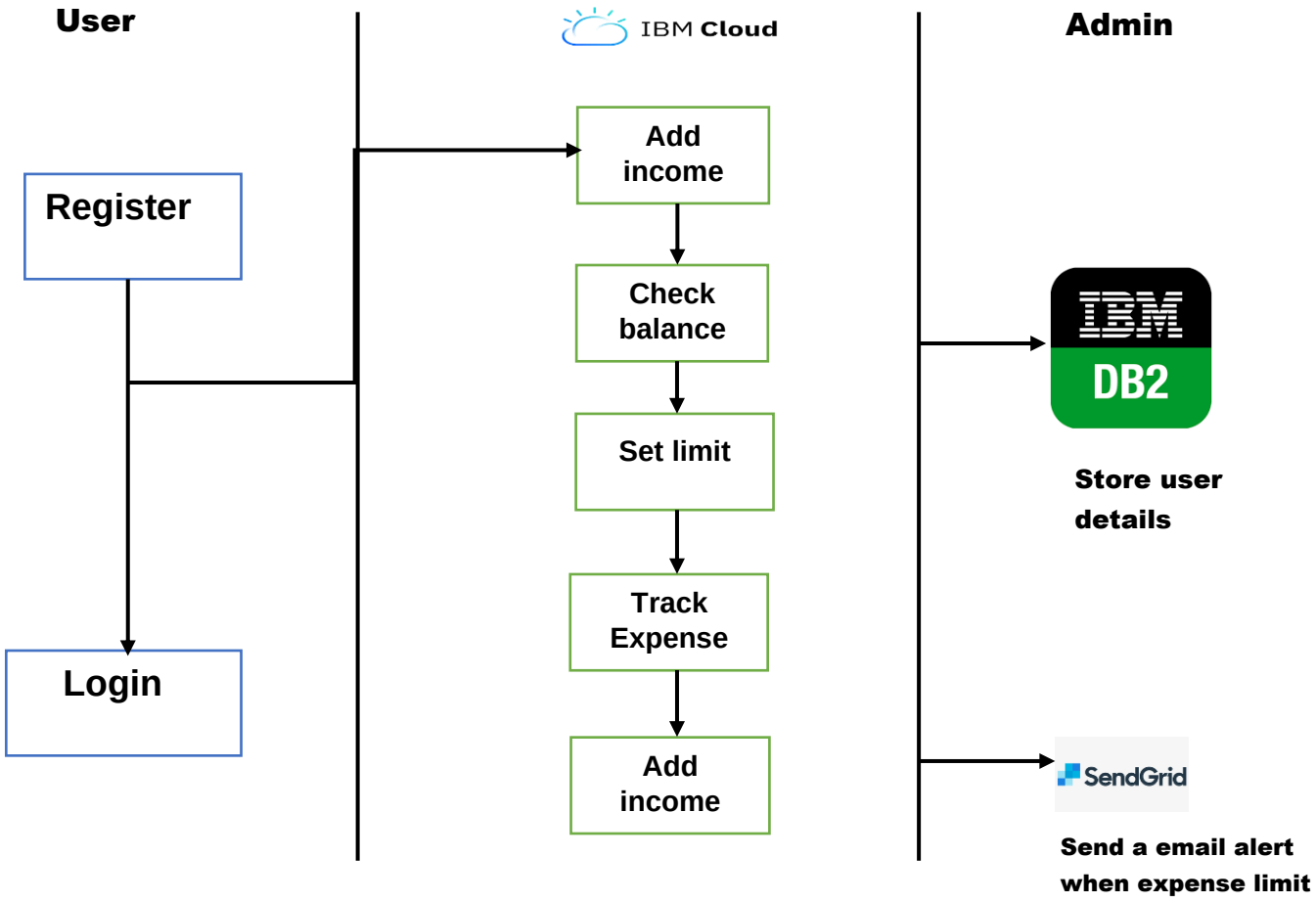

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	The user can interact with use of Chatbot	HTML, CSS, JavaScript / Angular Js / React Js etc.
2.	Application Logic-1	The application contains registration, login into the dashboard	Java / Python
3.	Application Logic-2	The Dashboard contains fields like Credit, debit and check balance	IBM Watson STT service
4.	Application Logic-3	The user will get expense report and the alert message when expense limit exceeds.	IBM Watson Assistant
5.	Database	The user account and income details are stored in MySQL database	MySQL, NoSQL.
6.	Cloud Database	The cloud database is used to store data in well secure manner	IBM DB2, IBM Cloud etc.
7.	File Storage	IBM is 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	It provides the high security to user using Container Registry in IBM cloud	Container Registry, Kubernetes Cluster
3.	Scalable Architecture	This application is a life time access	Container Registry, Kubernetes Cluster
4.	Availability	This application will be available to user 24/7	Container Registry, Kubernetes Cluster
5.	Performance	The performance will be high	Kubernetes Cluster