Project Design Phase-II
Data Flow Diagram & User Stories

Date	17 October 2022
Team ID	PNT2022TMID27622
Project Name	Personal Expense Tracker Application
Maximum Marks	4 Marks

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored
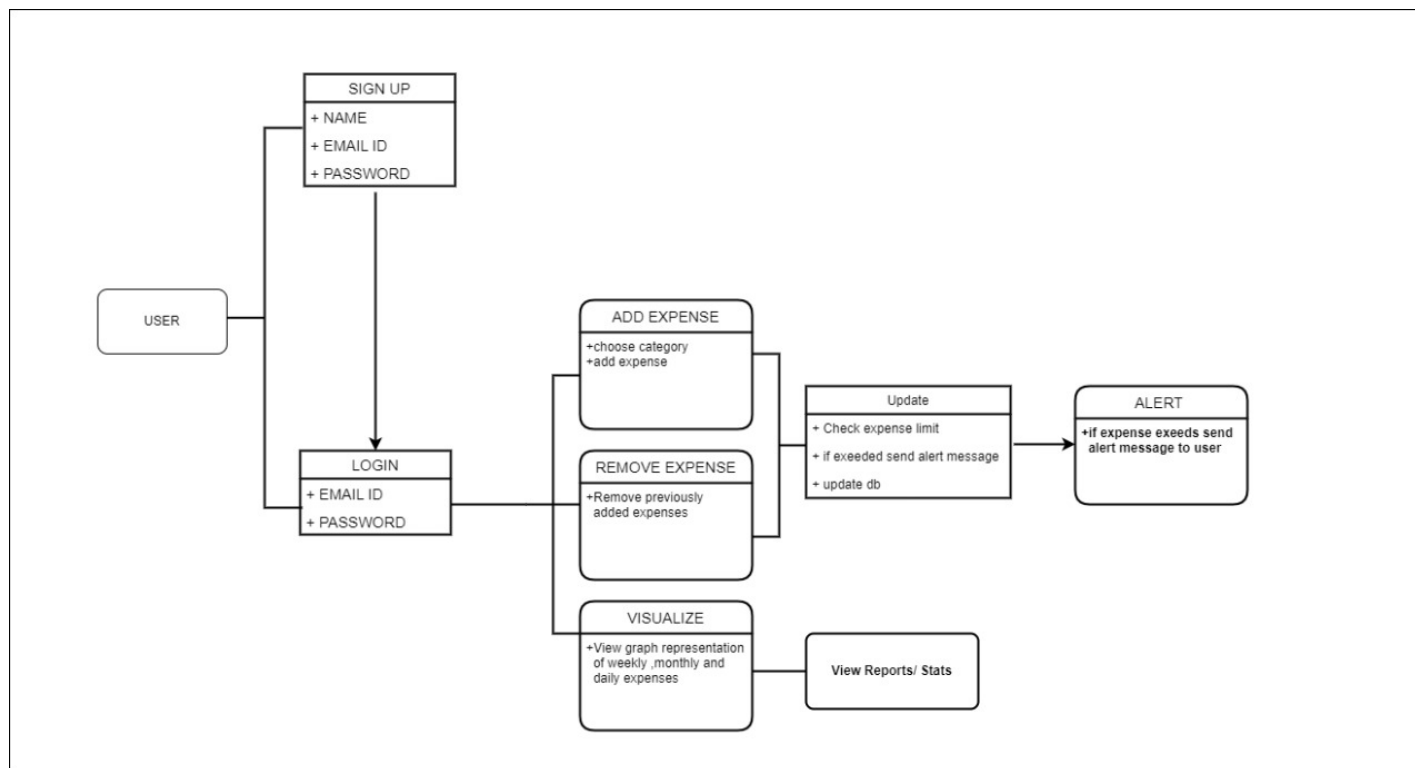
User Stories

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Priority	Release
Customer (Web user)	Create flask project, IBM account, Docker and SendGrid	USN-1	Getting started with flask, creating IBM cloud account and installing IBM cloud CLI, docker	High	Sprint-1
	Create UI to interact with application	USN-2	Designing user friendly UI to make human computer interaction smoothly. Home page, log in, log out, expense report page are the console	High	Sprint-1
	Create IBM DB2 and connect with python	USN-3	Creating IBM DB2 connecting it with flask MVC microframework to store the user credentials and expenses.	Low	Sprint-2
	SendGrid integration with python code	USN-4	Generating SendGrid APIE to notify user that they reach the limit of spending.	Low	Sprint-2
	Containerize the app	USN-5	Creating docker file and testing the requirements for the flask application.	Medium	Sprint-3
	Upload image to IBM container registry	USN-6	Upload images used in the front end to Container registry.	High	Sprint-4
	Deploy in Kubernetes	USN-7	Deploy the application after testing its functionality on Kubernetes.	High	Sprint-4