Project Design Phase-II

**Data Flow Diagram &
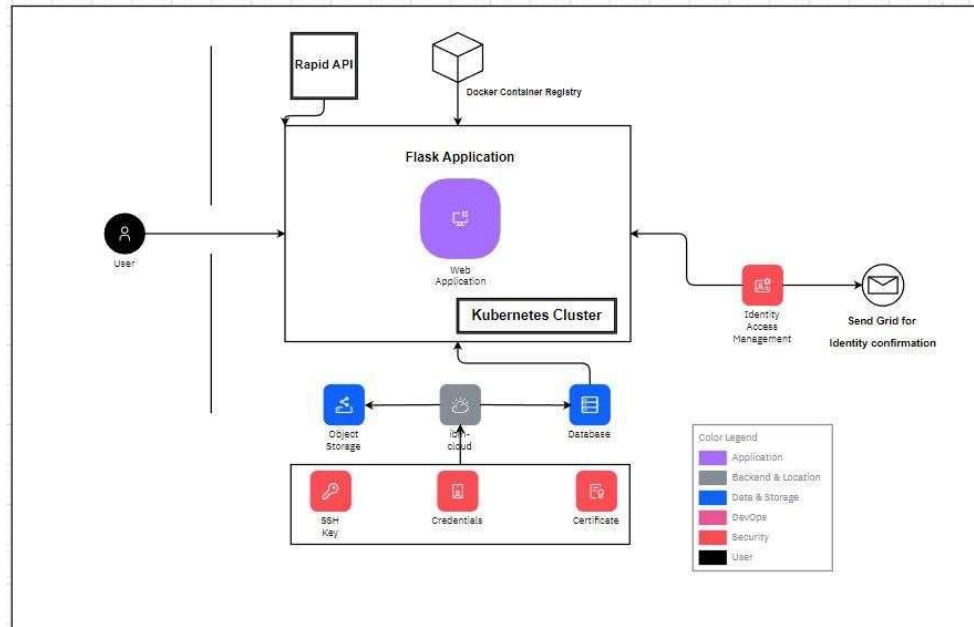User Stories**

Date	03 October 2022
Team ID	PNT2022TMID07384
Project Name	Project – News Tracker Application

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 — New user → 1 Registration → Profile updation → Profile Confirmation

User — Existing user → 1 Login

Check email and password

Database

Dashboard

Search News

News API

Rapid

3 Display

Integrate with API to searchnews

Identify News
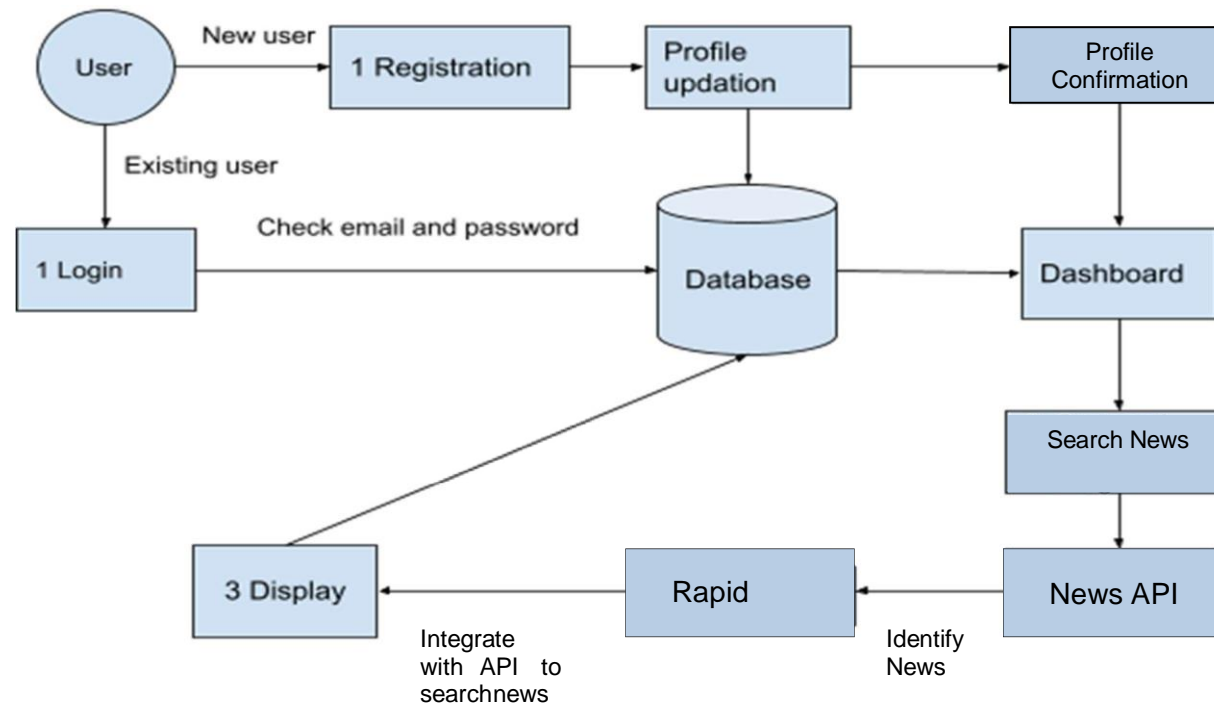
FLOW DIAGRAM:

Guidelines:
1. Registration using form, Gmail
2. Confirmation using OTP, Gmail
3. flask app -using python library
4. first - Homepage with login and register
5. In Homepage showing general news
6. Login page- login and confirmation message
7. register page- register and confirm using OTP or email
8. after Login-dashboard showing more news and can search specific news
9. Login and register database are stored in IBM DB2
10. OTP Messages are sent through Send grid
11. Rapid API is connected to display news and to search news
12. Files can be stored in IBM Storage
13. Services are received from IBM Cloud account
14. chat bot is implemented using IBM Watson Assistant

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	Acceptance criteria	Priority	Release
Customer	Registration	USN-1	As a user, I can register for the application by entering my name, age, gender, email, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1
		USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Sprint-1
	Profile updating	USN-3	As a user, I must enter my Login CredentialsTo watch daily news	I can update this information on dashboard	High	Sprint-1
	Login	USN-4	As a user, I can log into the application by entering email & password	I can access my account / dashboard	High	Sprint-1
	Dashboard	USN-5	As a user, I can search news	I can get search results	High	Sprint-2
		USN-6	As a user, I can watch and read news based on category	I can access my account / dashboard	Medium	Sprint-3
Administrator	Maintain the applications	USN-7	Containerizing the application and Maintaining details for users	I can access database	High	Sprint-4