Project Design Phase-II

Technology Stack (Architecture & Stack)

Date	31 October 2022
Team ID	PNT2022TMID34642
Project Name	News Tracker Application
Maximum Marks	4 Marks

Technical Architecture:

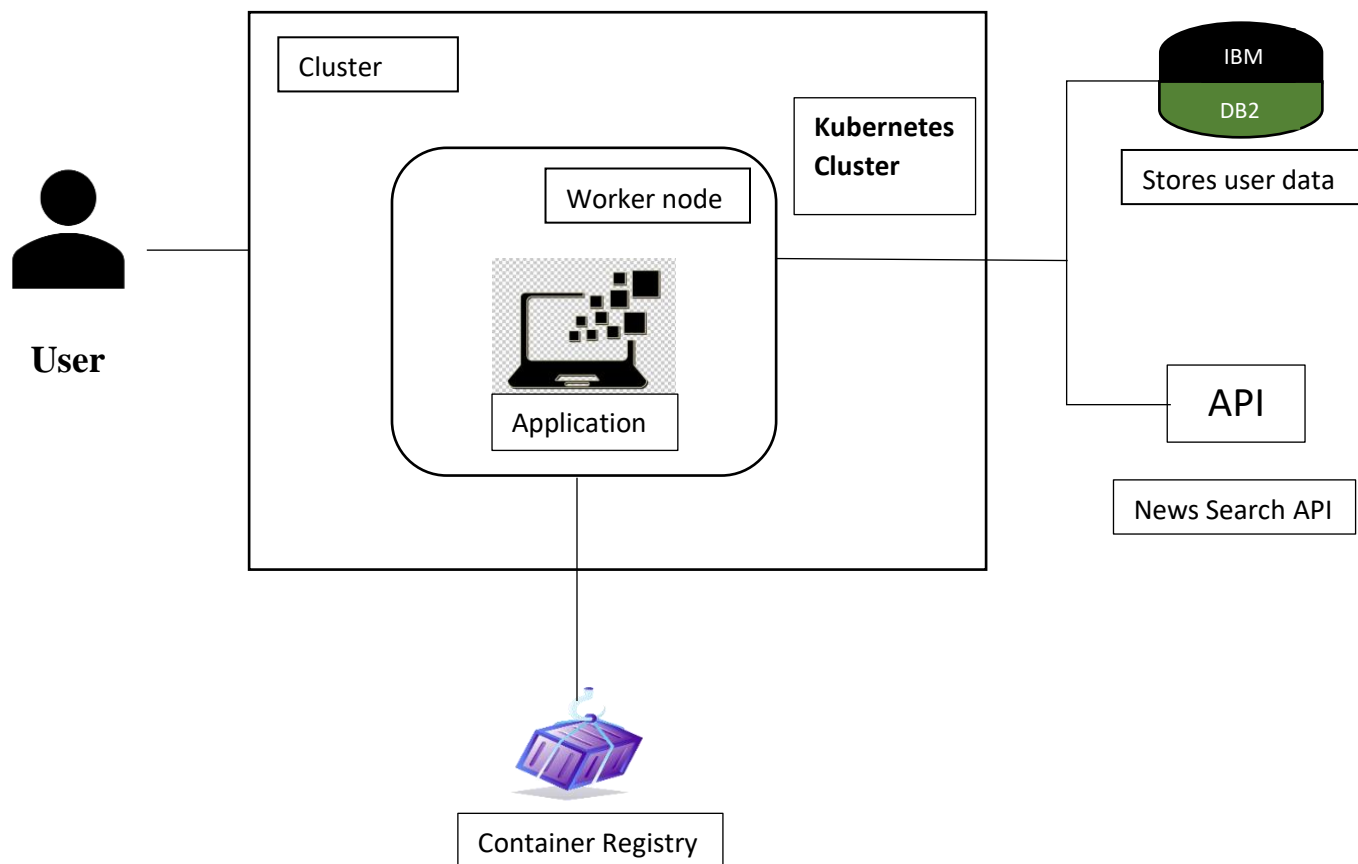The Deliverable shall include the architectural diagram as below and the information as per the table1 & table 2

Table 1: Components & Technologies:

S.NO	Component	Description	Technology
1.	User Interface	The user can interact with the application to know about the current and desired news.	HTML, CSS, JavaScript/React JS
2.	Application Logic-1	The application gives you basic understanding of Flask.	Python (Flask).
3.	Application Logic-2	The application logic2 contains the news sub divisions like geographical news, economic news and society news.	IBM Watson ST T service.
4.	Application Logic-3	The user can view the growth of the economy in industry through graph.	IBM Watson Assistant
5.	Database	Updated Trending news are stored in the MySQL database.	MySQL, NoSQL, etc.
6.	Cloud Database.	With the use of cloud, media coverage issue will not occur.	IBM DB2, IBM Cloud Foundry

Table 2: Application Characteristics:

S.NO	Characteristics	Description	Technology
1.	Open-Source Frameworks	Flask is flexible and doesn't require to use any particular project or code layout used in this application.	Python (Flask)
2.	Security Implementations	This can be accessed only by the journalist. So, it is highly Secure.	Container Registry, Kubernetes Cluster.
3.	Scalable Architecture	News Tracker is a socioeconomic app as it helps to know about the daily activities of the world.	Container Registry, Kubernetes Cluster.
4.	Availability	This application will be available to all the users who have signed up the application.	Container Registry, Kubernetes Cluster.
5.	Performance	The updates of trending news occurs without any interruption.	Kubernetes Cluster.