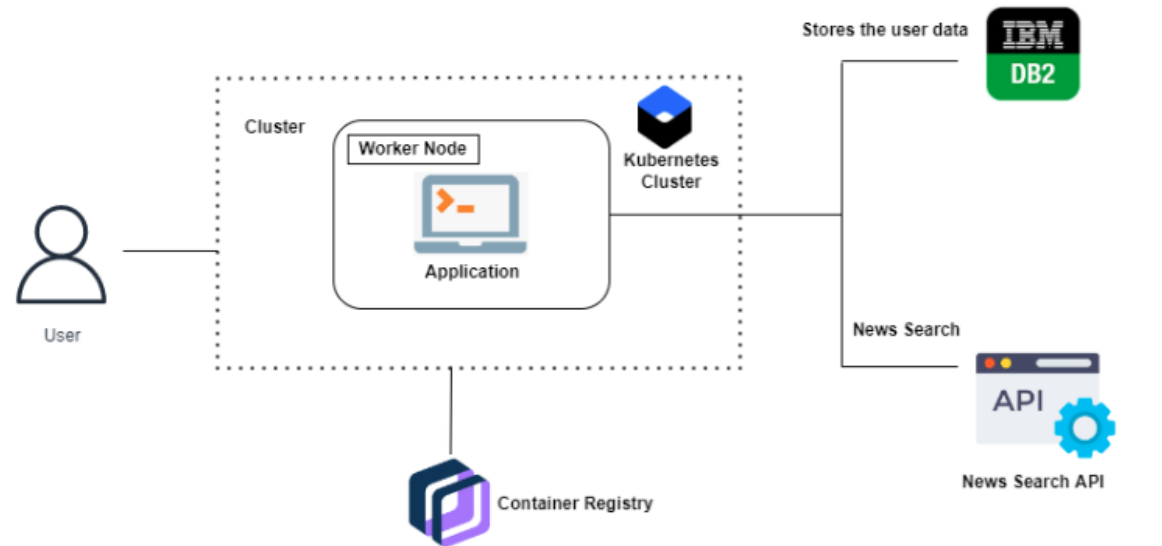


## Project Design Phase-II Technology Stack (Architecture & Stack)

Date	11 October 2022
Team ID	PNT2022TMID05824
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	How user interacts with application Web UI	HTML, CSS, JavaScript
2.	Sign Up Process	For Registering the users onto the site	Python - Flask
3.	Sign In Process	For making the already registered registered users log into the site.	Python - Flask
4.	Getting News from the API	For Fetching the news data from the external API	JavaScript
5.	Cloud Database	Database Service on Cloud for storing user data	IBM DB2
6.	External API	Source providing the news for the application	NewsAPI.
7.	Infrastructure (Server / Cloud)	Application Deployment on Cloud Cloud Server Configuration : IBM Kubernetes cluster	Docker, Kubernetes

**Table-2: Application Characteristics:**

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Python - Flask is used for serving the pages and connecting to the Database	Technology of Opensource framework
2.	Security Implementations	Session based logins in the browser , so that a login made by the user is persisted throughout.	Session tokens