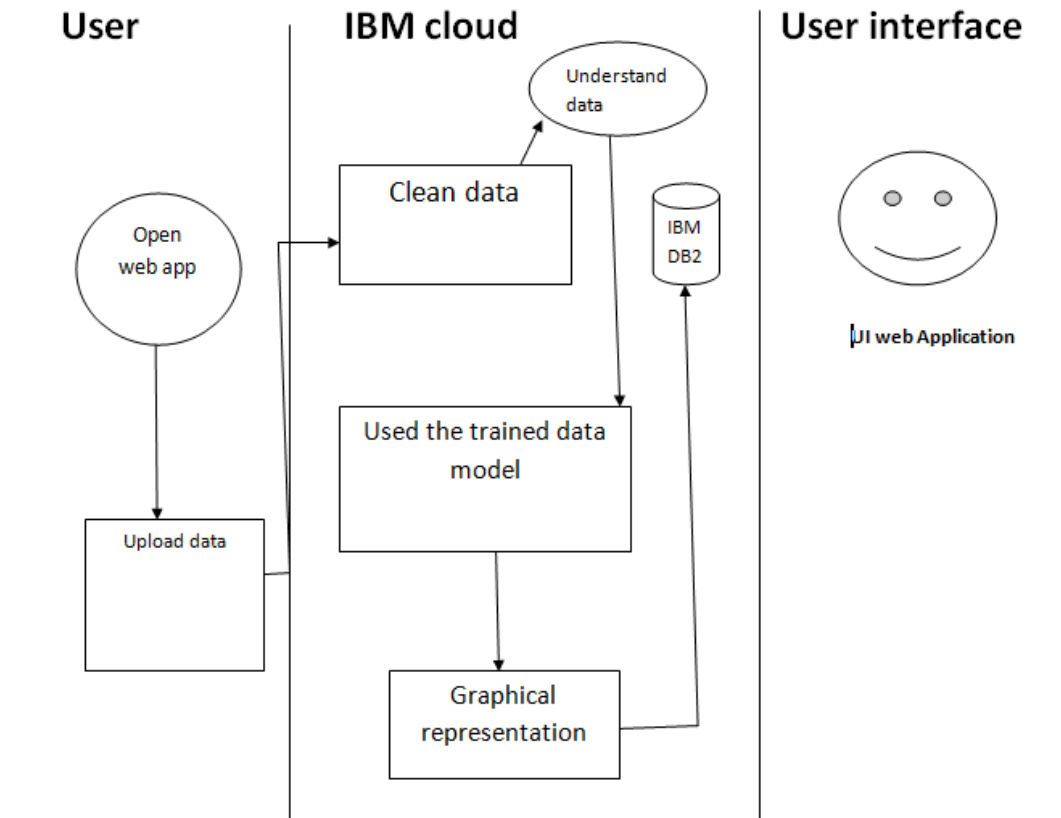


**Project Design Phase-II**  
**Technology Stack (Architecture & Stack)**

Date	03October 2022
Team ID	PNT2022TMID43140
Project Name	Project – corporate employee attrition analytics
Maximum Marks	4 Marks

**Technical Architecture:**



**Table-1 : Components & Technologies:**

S.No	Component	Description	Technology
1.	User Interface	Web UI	HTML, CSS, JavaScript / Angular Js / React Js etc.
2.	Application Logic-1	Logic for a process in the application	Java
3.	Application Logic-2	Logic for a process in the application	IBM Watson STT service
4.	Application Logic-3	Logic for a process in the application	IBM Watson Assistant
5.	Database	.csv file or excel file	MySQL, NoSQL, etc.
6.	Cloud Database	Database Service on ibm Cloud	IBM DB2
7.	File Storage	File storage requirements	IBM Block Storage or Local Filesystem
8.	External API-1	Purpose of External API used in the application	IBM Watson
9.	External API-2	Purpose of External API used in the application	Python jupyter
10.	Machine Learning Model	Purpose of Machine Learning Model	To analyze the data for accurate data
11.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud Local Server Configuration: Cloud Server Configuration :	Local, Cloud Foundry, Kubernetes, etc.

**Table-2: Application Characteristics:**

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Visual studios	Html ,css.
2.	Security Implementations	Authentication determining the identity of an end user.	REST
3.	Scalable Architecture	It can be used by the more users	php
4.	Availability	It can be available for 24/7	Cloud paid service
5.	Performance	Many request can be accepted at simutaneously	Http ping monitor

