

Project Design Phase-II

Technology Stack : DATA ANALYTICS

Date 03 October 2022

Team ID Team-591222

Project Name Project - Dissecting the Digital Landscape: A Comprehensive Analysis of Social Media

Maximum Marks 4 Marks

Technical Architecture:

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

Guidelines:

1. Include all the processes (As an application logic / Technology Block)
2. Provide infrastructural demarcation (Local / Cloud)
3. Indicate external interfaces (third party API's etc.)
4. Indicate Data Storage components / services
5. Indicate interface to machine learning models (if applicable)

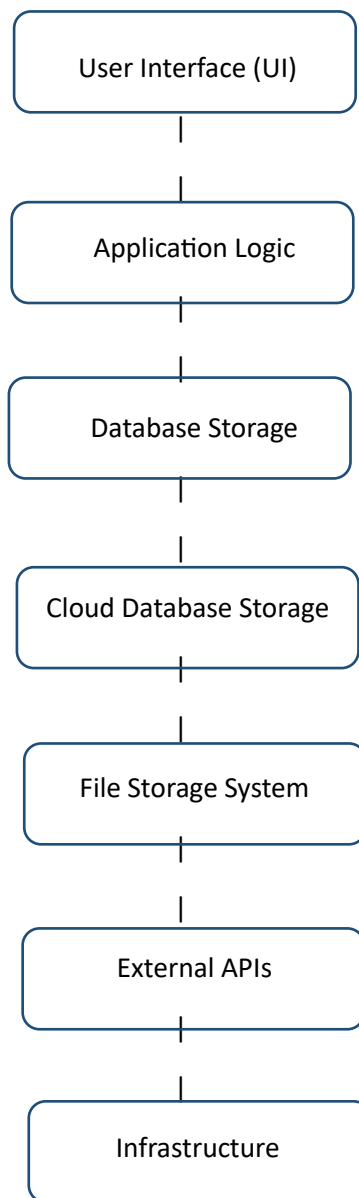


Table-1: Components & Technologies:

S.No	Component	Description	Technology
1	User Interface	Interface for user interaction	IBM Cognos
2	Application Logic-1	Application logic	IBM Cognos
3	Application Logic-2	Application logic	IBM Cognos
4	Application Logic-3	Application logic	IBM Cognos
5	Database	Data storage and management	IBM Cognos Data Manager
6	Cloud Database	Cloud-based database service	IBM Db2 on Cloud
7	File Storage	File storage requirements	IBM Cloud Object Storage
8	External API-1	Integration with third-party API	Third-party social media APIs
9	External API-2	Integration with third-party API	Third-party analytics APIs
10	Machine Learning Model	N/A	N/A
11	Infrastructure	Deployment on Local System / Cloud	IBM Cloud Infrastructure

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1	Open-Source Frameworks	N/A	N/A
2	Security Implementations	Data encryption and access controls	IBM Cognos Security Measures
3	Scalable Architecture	Scalability details	IBM Cognos Scalability Features
4	Availability	Application availability measures	Load balancing using IBM Cognos
5	Performance	Performance optimization details	Caching mechanisms in IBM Cognos