

Project Planning Phase
Technology Stack (Architecture & Stack)

Date	26 th October, 2023
Team ID	
Project Name	Project - The Tableau HR Scorecard : Measuring Success in Talent Management
Maximum Marks	4 Marks

Team Mentor :

Indraprakash Chauhan

Team Members :

Anisha Kumar

Shreya Shamej

Mounika Satya Praseeda Kallakuri

Sanal P K

Technical Architecture

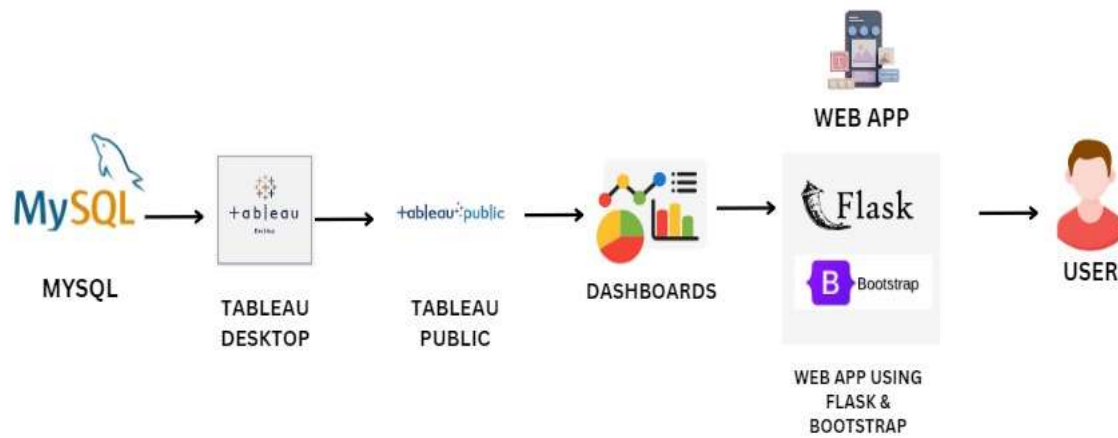


Table 1: Components and Technology

S.No	Component	Description	Technology
1	User Interface	Web development languages and markup	HTML, python
		CSS framework for responsive web design	Bootstrap, Flask
2	Database	Open-source relational database management system	MySQL
3	External Application	Data visualization and analytics software	Tableau Desktop
4	Server	Cloud-based platform for sharing Tableau visualizations and dashboards	Tableau Public
5	Dashboard	Tools for creating interactive and dashboards	Tableau Desktop

Table 2: Application Characteristics

S.No	Characteristics	Description	Technology
	Open-Source Frameworks	An open-source Flask and Bootstrap frameworks for building user interfaces	Flask and bootstrap
	Scalable Architecture	Distribute incoming traffic across multiple servers to prevent overloading any single server.	Tableau Desktop
		Use cloud-based services that offer automatic scaling based on demand	Tableau Public
	Availability	Use database replication to maintain multiple copies of the data in different locations, ensuring data availability even if one database fails.	MySQL
	Performance	Implement caching mechanisms to store frequently accessed data in memory, reducing the need to retrieve data from the database	