Project Design Phase-III
Technology Stack

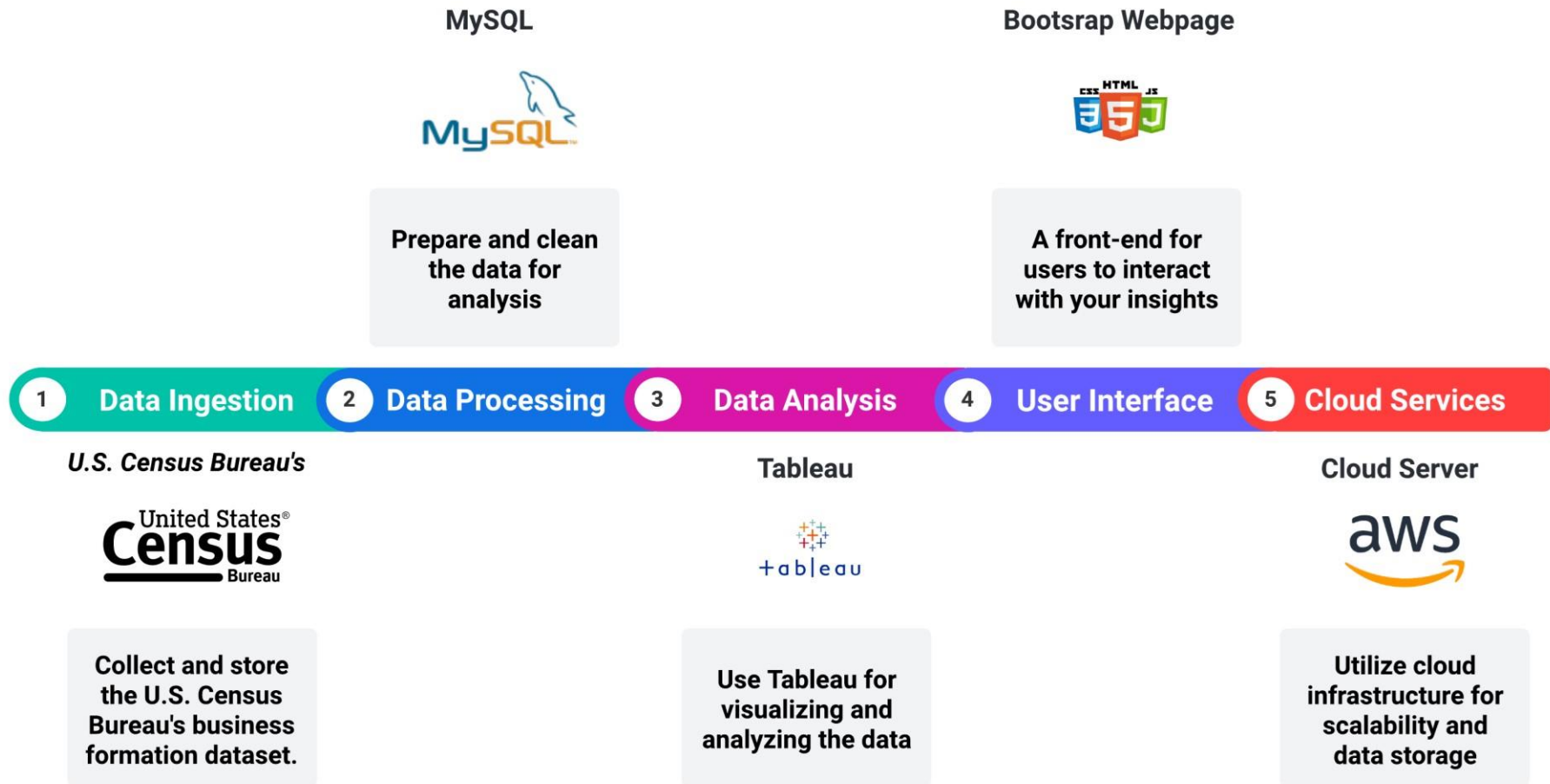| Date	22-10-2023
Team ID	**Team-591157**
Project Name	Uncovering Business Formation Insights in the U.S with Tableau - A Data-Driven Approach for Strategic Decision Making.
Maximum Marks	4 Marks

MySQL

Prepare and clean the data for analysis

Bootsrap Webpage

A front-end for users to interact with your insights

| 1 Data Ingestion | 2 Data Processing | 3 Data Analysis | 4 User Interface | 5 Cloud Services |

U.S. Census Bureau's

United States® Census Bureau

Collect and store the U.S. Census Bureau's business formation dataset.

Tableau

+ableau

Use Tableau for visualizing and analyzing the data

Cloud Server

aws

Utilize cloud infrastructure for scalability and data storage

Table-1: Components & Technologies:

S.No	Component	Description	Technology
1	**Data Integration**	**Collecting data from various sources.**	**U.S. Census Bureau**
2	**Data Storage**	**Storing and managing data.**	**Microsoft Excel**
3	**Data Processing**	**Cleaning and processing data.**	**MySQL**
4	**Data Analysis**	**Generating insights and reports.**	**Tableau**
5	**User Interface**	**How users interact with application.**	**Bootstrap, HTML**
6	**Cloud Services**	**Scalable infrastructure**	**Tableau Server**

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1	Open-Source Frameworks	Use of open-source frameworks	Flask
2	Security Implementations	Security and access controls implemented	-
3	Scalable Architecture	Scalability of the architecture	Tableau Server
4	Availability	Ensuring high availability	Tableau Server
5	Performance	Design for high performance	Tableau Server