Work Breakdown Report

GITHUB REPO LINK: https://github.com/SahillMulani/Database-and-Analytics-Programming-Project

Name: Sakshi Kale
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Contribution:

1. I have found the dataset of Covid – 19 on Kaggle in a form of JSON file.
2. I have performed ETL operations on the dataset.
3. For ETL, dataset has been stored in MongoDB.
4. I have transformed the datasets to meet the project requirements in this ETL process.
5. After that EDA is implemented, in which descriptive statistics is calculated and various visualisations is performed such as correlation matrix, bar plot, etc.
6. All this process is documented in a project report, explaining each step.

Name: Sana Inamdar
Student ID: x22217061

Contribution:

1. Found the dataset of FAANG Stocks in JSON format on Kaggle.
2. Loaded the data into MongoDB and performed ETL operations on the dataset .
3. Later performed EDA, in which visualisations are performed.
4. Helped my teammates in the Report work.

Name: Sahil Mulani
Student ID: x22234144

Contribution:

1. Extracted real-time stocks data using the **yfinance** library.
2. Stored the extracted data in MongoDB for efficient and flexible storage.
3. Conducted Extract, Transform, Load (ETL) operations on the data using Python.
4. Loaded the transformed data into PostgreSQL, a relational database management system.
5. Extracted data from *PostgreSQL* and loaded it into a DataFrame for further analysis.
6. Performed Exploratory Data Analysis (EDA) on the DataFrame.
7. Calculated descriptive statistics and generated various visualizations to gain insights into data.
8. Documented the entire process in report.