Non-Functional Requirements

Performance

- The system should provide accurate predictions based on well-processed data.

- It should handle large CSV files efficiently, even if processing takes time.

- The system should support multiple users accessing predictions without delays.

Security

- Users must log in with a username and password to access the system.

- Data should be protected during upload and processing to prevent leaks.

- The system should prevent unauthorized file uploads by verifying CSV structure.

Usability

- The interface should be simple and easy for uploading CSV files and viewing results.

- The system should provide clear error messages if there are issues with the data.

- Predictions should be displayed in an understandable format with visualizations.

Reliability

- The system should be available most of the time without frequent crashes.

- If an error occurs, it should notify the user and allow them to retry.

- Logs should record system activity to help identify and fix issues when needed.