**Project Scoping Submission - [Project Name]**

Team Members:

1. [Team Member 1]
2. [Team Member 2]
3. [Team Member 3]
4. [Team Member 4]
5. [Team Member 5]

**1. Introduction**

➔ In this section, introduce the project and provide a brief overview.

**2. Dataset Information**

1. **Dataset Introduction**: Describe the dataset you will be working with, including its purpose and relevance to the project.
2. **Data Card**: Create a data card summarizing key details about the dataset, such as size, format, and data types.
3. **Data Sources**: Provide information about the sources of the data, including URLs, APIs, or any relevant references.
4. **Data Rights and Privacy**: Explain the rights and privacy considerations related to the dataset, including any compliance with data protection regulations (e.g., GDPR).

**3. Data Planning and Splits**

➔ Outline your data preprocessing steps and splitting strategies. (Loading, Preprocessing, Managing data)

**4. GitHub Repository**

➔ Share the link to your GitHub repository and describe the folder structure.

● **README**: Include a README file with essential project information, installation instructions, and usage guidelines.

**5. Project Scope**

➔ Follow the structured approach learned in class to break down the project:

1. **Problems**: List the main problems your project aims to address.
2. **Current Solutions**: Describe existing solutions or approaches to these problems.
3. **Proposed Solutions**: Present your proposed solutions and innovations.

**6. Current Approach Flow Chart and Bottleneck Detection**

➔ Visualize the current approach using a flowchart and identify potential bottlenecks. Discuss how you could improve the current process.

**7. Metrics, Objectives, and Business Goals**

➔ Define the key metrics you'll use to evaluate your project's success. Outline the project's objectives and how they align with broader business goals.

**8. Failure Analysis**

➔ Discuss potential risks, including what could go wrong during the project and after deployment, and provide an analysis of pipeline failures and mitigation strategies.

**9. Deployment Infrastructure**

➔ Provide detailed information about the infrastructure required to deploy your project, along with a list of supported platforms. Be sure to include necessary flowchart diagrams.

**10. Monitoring Plan**

➔ Provide a broad description of your monitoring plan, including what you intend to monitor and why. Prepare for detailed documentation.

**11. Success and Acceptance Criteria**

➔ Define the criteria for success and acceptance of the project.

**12. Timeline Planning**

➔ Create a preliminary project timeline, which can be modified based on given deadlines and constraints.

**13. Additional Information**

➔ Include any other relevant information you believe is necessary for a comprehensive project scoping submission.