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

Team Members:
- **[Team Member 1]**
- **[Team Member 2]**
- **[Team Member 3]**
- **[Team Member 4]**
- **[Team Member 5]**

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## 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.