**Data Collection and Preprocessing Phase**

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| Date | 15 April 2024 |
| Team ID | Team-738205 |
| Project Title | [Dog Breed Identification Using Transfer Learning](https://dinkarvidya27.atlassian.net/browse/DBIUTL) |
| Maximum Marks | 2 Marks |

**Data Quality Report Template**

The Data Quality Report Template will summarize data quality issues from the selected source, including severity levels and resolution plans. It will aid in systematically identifying and rectifying data discrepancies.

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| **Data Source** | **Data Quality Issue** | **Severity** | **Resolution Plan** |
| Dataset | class imbalance, data quality issues, breed variability, annotation errors, overfitting, augmentation limitations, and transfer learning suitability, impacting model robustness and performance. | Moderate | Addressing issues in dog breed identification involves balancing class distribution, improving image quality, simulating breed-specific variations, ensuring accurate labeling, preventing overfitting, enhancing augmentation strategies, and aligning with dataset characteristics for transfer learning effectiveness. |
| Dataset | Insufficient representation of certain breed variations, such as coat patterns or body shapes, may hinder the model's ability to differentiate between closely related breeds with similar appearances. | Moderate | Augment underrepresented breed features, generate diverse variations synthetically, adapt learning focus, combine models emphasizing variations, and transfer insights from related domains for breed sensitivity. |