

## Data Collection and Preprocessing Phase

Date	15 March 2024
Team ID	SWTID1720110142
Project Title	SportSpecs: Unraveling Athletic Prowess with Advanced Transfer Learning for Sports
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.

Data Source	Data Quality Issue	Severity	Resolution Plan
Kaggle Sports Classification Datasets	Missing values in the 'sport' column	High	Impute missing values using the mode of the column or by referencing other related columns.
Kaggle Sports Classification Datasets	Inconsistent labeling of sports categories	Moderate	Standardize labels by ensuring consistent formatting and verifying against a predefined list of categories.
Kaggle Sports Classification Datasets	Duplicate entries in the dataset	Moderate	Identify and remove duplicate entries to ensure data integrity.

Kaggle Sports Classification Datase	Imbalanced dataset with respect to different sports	High	Apply resampling techniques like SMOTE (Synthetic Minority Over-sampling Technique) or undersample the majority class to balance the dataset.
Kaggle Sports Classification Datase	Noise in the image data (blurry or low-quality images)	High	Use image enhancement techniques or exclude noisy images from the dataset.