

Major League Baseball Management System

P1. Topic & Objectives

DAMG6210 – Database Management & Database Design

Fall 2023

Group -17

Team Members

Reetesh Kesarwani

Shreyangi Prasad (**POC**)

Lakshmi Kantha Monisha Pulavarthy

Khushbu Singh

Manjari Chaturvedi

POINT OF CONTACT

Email- ID: prasad.shrey@northeastern.edu



Northeastern University

OVERVIEW

The "Sports Data Management Initiative" is dedicated towards the development and implementation of an advanced Sports Data Management System (SDMS). It represents a commitment to push the boundaries of sports excellence, data-driven decision-making, and fan engagement. Our mission is to revolutionize the way sports organizations collect, analyze, and utilize data to enhance performance, engage fans, and drive innovation in the world of sports.

PURPOSE

The purpose of the Sports Data Management System (SDMS) project is to represent a pivotal initiative driven by the fundamental needs of sports organizations. It aims to revolutionize data management, foster intelligent decision-making, confer a competitive edge, and bolster fan engagement. SDMS aspires to become an indispensable cornerstone within the sports industry, propelling the growth and triumph of sports teams and organizations across diverse sporting disciplines.

SCOPE

For the project's deliverable we will only focus on Baseball as our first sport. However, our tentative aim will be to create a generic system which can be adopted by any sports league.

OBJECTIVES

- **Data Centralization:** Develop a comprehensive database to store and manage player information, team details, and match statistics.
- **Access Control:** Implement user-friendly interfaces for easy data entry and retrieval, allowing administrators to efficiently manage the database.
- **Efficient Data Retrieval:** Enable quick and efficient retrieval of information such as player profiles, team standings, match schedules, and historical performance data.
- **Statistical Analysis:** Enable statistical analysis and reporting for team performance, player statistics, and trends over multiple seasons.
- **User Experience:** Enable advanced search and reporting functionalities, providing valuable insights for analysis and decision-making

GitHub Link: <https://github.com/reeteshkesarwani/Sport-League-Management-System>