# Dataset Description for Movie Recommendation System Project

## Problem Statement

The aim of this project is to build a movie recommendation system using machine learning techniques. The system will recommend movies to users based on certain criteria derived from historical movie data.

## Source of Dataset

The dataset used in this project is from the TMDb (The Movie Database) and includes detailed information on various movies.

## Brief Description of Dataset

This dataset contains information about 5000 movies, including details such as budget, genres, languages, production companies, revenue, and more. The dataset is designed to provide insights into movie-related data, enabling the development of a recommendation system based on various movie attributes.

## Description of Attributes

Below is a description of the columns in the dataset:

* budget: The budget allocated for each movie.
* genres: JSON-like format containing the genres of the movie.
* homepage: The official website of the movie.
* id: A unique identifier for each movie.
* keywords: Keywords related to the movie's themes or plot.
* original\_language: The primary language in which the movie was released.
* original\_title: The movie’s original title.
* overview: A brief summary of the movie’s plot.
* popularity: A score indicating the popularity of the movie.
* production\_companies: JSON-like format listing the companies involved in the movie's production.
* production\_countries: JSON-like format listing the countries where the movie was produced.
* release\_date: The release date of the movie.
* revenue: The total revenue generated by the movie.
* runtime: The duration of the movie in minutes.
* spoken\_languages: JSON-like format listing the languages spoken in the movie.
* status: Indicates whether the movie is released or planned.
* tagline: A catchy phrase associated with the movie.
* title: The main title of the movie.
* vote\_average: The average user rating for the movie.
* vote\_count: The number of votes received by the movie.