**Final Project Statement of Work Template**

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| Savannah Moody |

**Group Number:**

**Group Leader:**

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| Savannah Moody, Kamran Hussain |

**Names of Group Members:**

**Summary of what your program will do (be very specific):**

**Project Title:** Implementation of Movie Database Console Application using TMDB API

The aim of this project is to develop a console application utilizing the TMDB (The Movie Database) API to retrieve information about movies and TV series. This application will provide functionalities such as accessing trending movies, searching for specific titles, and displaying detailed information including cover images.

Integrate TMDB API to fetch movie and TV series data. Implement functionality to display retrieved data on the console. Develop parsing mechanisms to organize and extract relevant information from API responses. Incorporate features for sorting, filtering, and searching within the retrieved data. Ensure user-friendly interaction and intuitive navigation through the console interface.

**Features:**

**TMDB API Integration:** Utilize TMDB API to access a vast collection of movie and TV series information, including details and cover images.

**Data Display:** Present retrieved data in a structured format on the console interface for user interaction.

**Parsing Mechanisms:** Implement parsing algorithms to extract essential information from API responses, ensuring efficient data handling.

**Sorting, Filtering, and Searching:** Enable users to manipulate displayed data by sorting based on various criteria, applying filters, and conducting searches for specific titles.

**User Interaction:** Facilitate seamless interaction through intuitive console-based navigation and clear prompts for user input.

**Decomposition with Assignments:**

Use the space to list the decomposition or outline of your program. Next to each section, provide the name of the student who will be working on that portion.

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| **Decomposition** | **Responsibility** |
| Savannah Moody | Full Implementation |
| Kamran Hussain | Not Responding via email |
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