

M.B.E.R.S

MBTI BASED ENTERTAINMENT RECOMMENDER SYSTEM

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Garima Johar : 2401730044

Akanksha Anand : 2401730035

Vanshika Krishan : 2401730028

Ayesha : 2401730111



PROBLEM STATEMENT

In this day and age where we have everything available everywhere because of this evolving technology every second it's become difficult for us to distinguish who we really are and what we really want . We tend to follow trends though it's not bad thing but that also means we often find ourselves tangled up in things we don't even like. So, Instead of ending up confused and totally losing sense of who we are as a human being , We as a team came up with an idea to use MBTI personality types and connect them to their desired recommendations which means that You can find out your personality type and will be recommended things that are made especially for people like you and that what you actually take interest in.

PROPOSED SOLUTION

- We developed a **Streamlit-based web application** that uses MBTI personality test results to recommend:
 - **Songs** via Spotify API
 - **Movies** via Watchmode API
 - **Books** via Open Library API
- Users answer a series of questions to determine their MBTI type, and based on that, our app suggests media genres that match their cognitive and emotional preferences.

FRONTEND TECHNOLOGIES

- Streamlit (Python-based UI)
- Styling through Markdown & HTML
- User input via buttons/sliders

BACKEND TECHNOLOGIES

- Python
- CSS AND HTML
- APIs used:
 - Spotify for music
 - Watchmode for movies
 - Open Library for books



Click on a button to select your answer (1 = Strongly Disagree, 7 = Strongly Agree).

Q1:

I prefer small, close-knit gatherings over large events. ↔

Select your answer:

1

2

3

4

5

6

7

Spotify Tracks

Select a genre

rock

Get Song Recommendations

Track: Beggin' by Måneskin



[Listen on Spotify](#)

Movies

Select a genre

history

Get Movie Recommendations

Title: The Apprentice

Release Date: 2024

Books

Select a genre

economics

Get Book Recommendations

Title: Economics of Money, Banking, and Financial Markets Conflicts of Interest Edition plus MyEconLab

Authors: Frederic S. Mishkin, Eaton, James W., Apostolos Serletis, Edward Gamber, David Hakes, Rama Kanungo, Mishkin, Frederic Mishkin, Rick Mishkin, Mishkin S. Fredric, Apostolos Serletis Fredric S. Mishkin, F Mishkin

Genre: economics



Click on a button to select your answer (1 = Strongly Disagree, 7 = Strongly Agree).

Your MBTI Personality Type: ESTJ



Media Recommendations Based on Your MBTI Type

Spotify Tracks

Select a genre

rock

Get Song Recommendations

Movies

Select a genre

history

Get Movie Recommendations

Books

Select a genre

economics

Get Book Recommendations

PERSONALITY LOGIC

```
# Function to calculate MBTI type
def calculate_mbti(answers, questions):
    scores = {"E": 0, "I": 0, "S": 0, "N": 0, "T": 0, "F": 0, "J": 0, "P": 0}
    for answer, (question, category, weight) in zip(answers, questions): # Fixed variable name
        if category == "EI":
            scores["E"] += answer * weight
            scores["I"] += (8 - answer) * weight
        elif category == "SN":
            scores["S"] += answer * weight
            scores["N"] += (8 - answer) * weight
        elif category == "TF":
            scores["T"] += answer * weight
            scores["F"] += (8 - answer) * weight
        elif category == "JP":
            scores["J"] += answer * weight
            scores["P"] += (8 - answer) * weight
    mbti_type = "".join([
        "E" if scores["E"] > scores["I"] else "I",
        "S" if scores["S"] > scores["N"] else "N",
        "T" if scores["T"] > scores["F"] else "F",
        "J" if scores["J"] > scores["P"] else "P"
    ])
    return mbti_type
```


FUTURE ASPECTS FOR THIS PROJECT

- User Login and Profiles: We want users to be able to create accounts so they can view past results, revisit saved recommendations, and receive updates based on their changing preferences.
- Saving and Liking Recommendations: Users will soon be able to bookmark songs, movies, or books they love. This not only improves engagement but also helps build a personalized library for each user.
- Feedback System: We're considering adding a rating or thumbs-up feature so users can let us know how accurate or enjoyable a recommendation was. Over time, this will help us refine our system and make smarter suggestions.
- Beyond that, there's potential to expand into new domains. For example, we could eventually recommend podcasts, courses, career advice, or even travel destinations based on personality types. The possibilities are wide open.

THANK YOU