**Design Document: Trending Buzz**

**Objective:**

The objective of the Trending Buzz page is to provide users with a curated experience to explore and discover entertainment content both tailored to their preferences and current trends. The app aims to analyze trending topics across various domains, including sports, entertainment, and social media, utilizing generative AI to present users with dynamic summaries and visualizations.

**Requirements:**

- Automatically analyze trending topics across sports, entertainment, and social media.

- Access relevant data sources including hashtags, news articles, and social media posts.

- Utilize generative AI to produce text summaries highlighting key points, statistics, and expert opinions.

- Generate data visualizations such as charts, graphs, or infographics to represent trends and user engagement.

- Present a dynamic feed of trending topics with AI-generated summaries and visualizations.

- Enable users to explore specific topics further through the interface.

**Background:**

Trending Buzz is developed to address the growing need for personalized content discovery in the realm of entertainment. With an abundance of information available across various platforms, users often struggle to stay updated with the latest trends and relevant content. By leveraging advanced AI technologies, the app aims to streamline this process by providing users with tailored insights and recommendations.

**Design Ideas:**

- **Automatic Data Collection**: Implement web scraping techniques to gather data from diverse sources, including social media platforms, news websites, and sports portals.

- **Natural Language Processing (NLP)**: Utilize NLP algorithms to analyze text data and identify trending topics, sentiments, and key themes.

- **Image Recognition**: Employ image recognition algorithms to extract relevant information from images and multimedia content.

**User Interface:**

- **Dynamic Feed**: Design an intuitive and responsive user interface to present the trending topics feed, allowing seamless navigation and exploration.

- **Customization Options**: Provide users with options to customize their feed based on specific interests, preferences, and content categories.

- **Interactive Visualizations**: Enable users to interact with data visualizations, explore underlying trends, and access additional information with ease.

- **Search and Filtering**: Implement robust search and filtering functionalities to facilitate targeted content discovery and exploration.

**Alternatives Considered:**

1. **Manual Curation**: Instead of relying solely on AI-generated content, consider incorporating human curation to ensure the accuracy and relevance of trending topics and summaries.

2. **Collaborative Filtering**: Explore the integration of collaborative filtering algorithms to recommend content based on user behavior, preferences, and similarities with other users.

3. **Third-Party Integrations**: Evaluate the feasibility of integrating with external APIs and services to access additional data sources and enhance the breadth and depth of content recommendations.

OpenAI. (2022). ChatGPT (Version GPT-3.5) [Computer software]. <https://openai.com/>

Prompt:

“Hi ChatGPT. I would like for you to create a design doc for a web based app based off an idea that I received. I want to clarify that I am not asking you to guide me on how to make the design doc, I'm asking you to fill one out for me with new ideas. The design doc MUST HAVE sections for the objective, requirements, background, design ideas, and alternatives considered. This is my idea: Personalized Entertainment Assistant:

Overall Theme: This app helps users explore and discover entertainment content based on their preferences and current trends. Trending Buzz (My Page):

Input: No direct user input, page analyzes trending topics automatically.

Database: Access data on trending topics in sports, entertainment, and social media (hashtags, news articles, social media posts).

Generative AI:

Text: Analyze trending topics and generate summaries highlighting key points, interesting statistics, or expert opinions.

Images: Create data visualizations (charts, graphs) or infographics representing trends and user engagement.

Output: Display a dynamic feed of trending topics with AI-generated summaries and visualizations. Allow users to explore specific topics further.”