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Proposal

Description:

A cross-platform mobile app that recommends posts to users based on their progress in a tv series to avoid spoilers and promote a safe fandom experience. It will have a simple UI similar to Tumblr, where users can read and write text-based posts about fandoms they enjoy. We will implement Retrieval-Augmented Generation to flag spoilers and improve the user experience.

Libraries:

- Frontend: Flutter, Dart
- Backend: Express, TypeScript, Node
- LLM: OpenAI
- Database: TypeORM, PostgreSQL, hosted by Neon
- Containerization: Docker

Features:

- User accounts and authentication
- Text-based UI similar to Tumblr

Dimensions.Guide | Tumblr Post – Text

- Ability to input your current episode for a given tv show
- Recommendation of posts based on current episode in a series - spoiler control, tagging system
- Post interactions like liking and commenting
- User following system
- User customization like profile pictures

Stretch Goals:

- Support for multimedia posts (images, videos)
- Support for media types beyond tv shows (movies, games)
- Enhanced profile customization (themes, advanced layouts)

Retrieval Augmented Generation

Retrieval-Augmented Generation is a method of allowing llms to respond to queries using supporting information beyond their training data.

Our implementation will involve retrieving relevant transcript data from a database to inform llm spoiler detection.

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