

MysticTutor

Description: My database is designed to manage and organize information about the card game *Magic: The Gathering*. The database is designed for efficient retrieval of card attributes such as its colours, what keywords it has, its types and subtypes and more.

Database Structure:

The database consists of six main tables: SET_RELEASES, CARD_SETS, CARD_COLOURS, CARD_KEYWORDS, CARD_SUBTYPES, CARD_TYPES

Table Descriptions:

SET_RELEASES, stores information about different card sets or expansions:

set_code: Primary key, unique identifier for each set

set_name: Name of the set

release_date: Date when the set was released

total_cards: Total number of cards in the set

CARD_SETS, contains detailed information about individual cards within each set:

set_code: Part of the primary key, links to SET_RELEASES

card_name: Part of the primary key, name of the card

set_number: Part of the primary key, card's number within the set

mana_cost: The mana cost to play the card

mana_value: Numeric representation of the mana cost

rarity: Rarity of the card (e.g., common, uncommon, rare)

artist: Name of the card's artist

image_url: URL to the card's image

CARD_COLOURS, CARD_KEYWORDS, CARD_SUBTYPES, CARD_TYPES

These four tables have similar structures and are used to store multiple attributes for each card:

[attribute]_name: Part of the primary key, name of the colour/keyword/subtype/type

card_name: Part of the primary key, links to CARD_SETS

Intended Use:

The intended use of this database is to support an online user interface (i.e. a website) which will help players find cards that match specific criteria for constructing decks.