

MTG Card Search

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Team: NS^2D

Dataset

- Magic: The Gathering
- Base source: gatherer.wizards.com
- Elements of a card
 - Try to be as comprehensive as possible
 - Cards may not have fields populated, or may have extra fields based on their type
 - Name
 - Mana Cost
 - Type
 - Subtype[s](?)
 - Rules Text (?)
 - Flavor Text(?)
 - P/T(?)
 - ? Denotes field may not be present
- Currently scraping for 14 fields, may add more.

Feature 1: Advanced Searching

- Allow users to submit keyword queries to specific text fields
 - Name
 - Rules Text
 - Flavor Text
- Allow users to submit range or point queries to numeric fields.
 - P / T
 - Mana cost
 - Legality

Feature 2: Related Cards

- Many sites host user made custom decks
 - Tappedout.net
 - Mtgvault
 - Many more
- Scrape from user made decks
- Look for commonly occurring *other cards*
- *Present these cards to the user*
- *Lack of* significant other cards?
 - Fall back to cards with common features (scored high in the initial query)

UI Mockup: Simple Search

Magic: The Gathering Card Search

Query...

Simple Advanced

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Magic: The Gathering Card Search

Query...

Simple Advanced

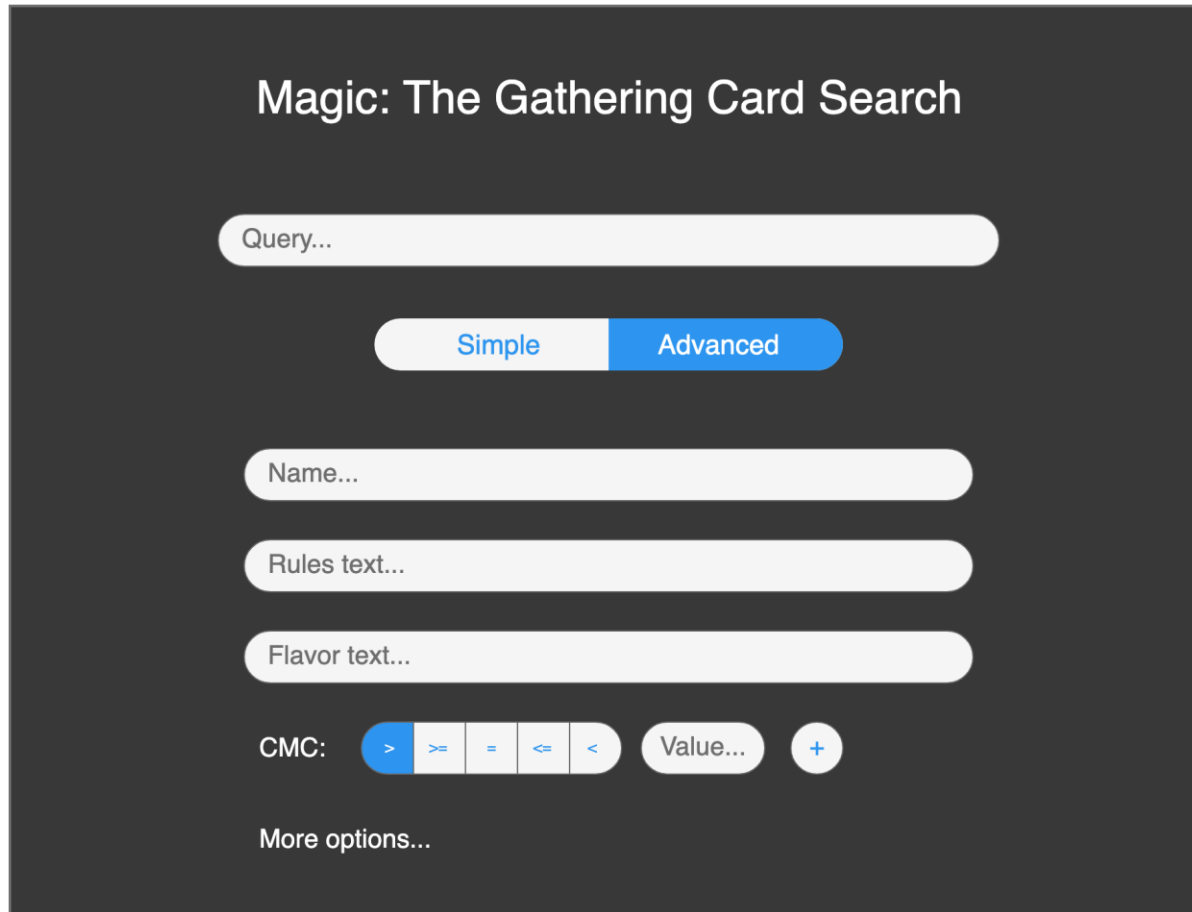
Name...

Rules text...

Flavor text...

CMC: > >= = <= < Value... +

More options...



UI Mockup: Results Page

Magic: The Gathering Card Search

scales

Results for "scales"...



Crooked Scales

Flip a coin. If you win the flip, destroy target creature an opponent controls...



Culling Scales

At the beginning of your upkeep, destroy target nonland permanent with...

UI Mockup: Card Details page

Information



Card Name: Hardened Scales

Converted Mana Cost: 1

Card Text: If one or more +1/+1 counters would be put on a creature you control, that many plus one +1/+1 counters are put on it instead.

Expansion: Commander Anthology 2018, Khans of Tarkir, Commander 2016

Rarity: Rare

Card Number: 138

Formats: Modern, Legacy, Vintage, Commander

Related Cards...



Questions