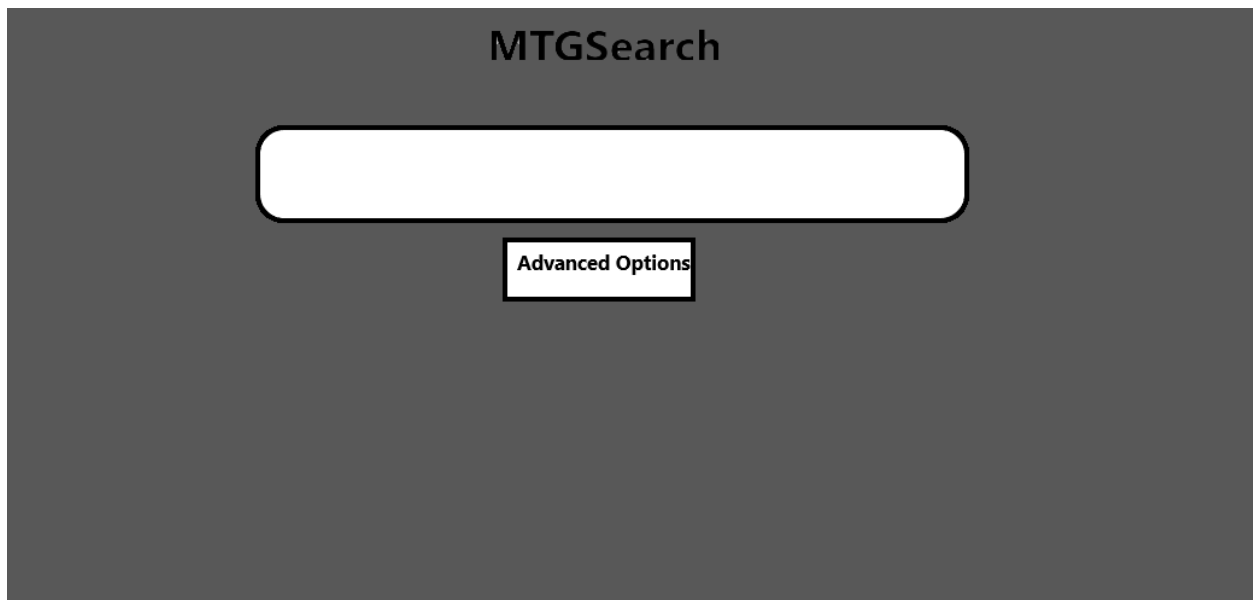MTGSearch Project

Analysis and Design

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Overview

The purpose of this project is to create a card search engine for the popular trading card game Magic the Gathering. The site with start initially with 4 pages. The homepage where the user can search for a card using the name, a advanced option page where the user can search using additional criteria (Mana cost, card type, card text, and card colors) more criteria will be added time permitting, and the page after searching for a card that brings up the card image, the price of the card, and the cards most recent printings/versions. Then a page that lists all the cards that meet the advanced options criteria or the name search wasn't specific enough.

Homepage

For the homepage for now It will be relatively simple and just have the search engine name at the top MTGSearch, a rectangular search box for the user to type in the name of a card, and then a advanced option button that will take the user to the advanced options page. I made a rough concept sketch of what this would look like:

Advanced Options Page

The second page will be the advanced options page which will bring up the 5 different criteria that a user can search with for a specific card. Those being the cards name, card type, card cost, card colors, and card text. These options can be mixed and matched depending on what the user wants to search for. They can then search with whatever options they chose by clicking the Search with these options button.

Card cost, type, name, and text will be rectangular search boxes that the user can type in what they want to search for.

Card type will also have a drop down listing all the different card types, but the user can also type in if they choose to.

Card colors will be 5 different check boxes that the user can check whatever number of them they want to.

I made a rough sketch of what this would look like but is not final:

Card Name ☐
Card Text ☐
Card Type ☐
Card Cost ☐

Card Colors ☐ White ☐ Black ☐ Red ☐ Blue ☐ Green

Search with these options

Searched Card Page

The third page will be the searched card page where the user will arrive after the homepage if they type in a specific enough name that there was only one card listed.

It will show an image of the card they searched and list its most recent card printings and the price of those cards, and have a search bar to search a different card

I made a rough sketch of what it would look like:

Searched Card List Page

This page would show up if they searched using the advanced options page or the card name they put in had more than one option appear and this will list all the options that meet those criteria, and it will have a search bar to search again. I made a rough sketch: