

ML for Trading Card Games

Background

- Magic is a card game where each card can change how the game plays out.
- Our Project will focus on the probability of drawing any card from a deck.
- Some Special Card Effects include:
 - “Search your deck (library)”
 - “Scry”
 - View Cards and put them on top/bottom of your deck
 - “Draw a Card”

This is a Land



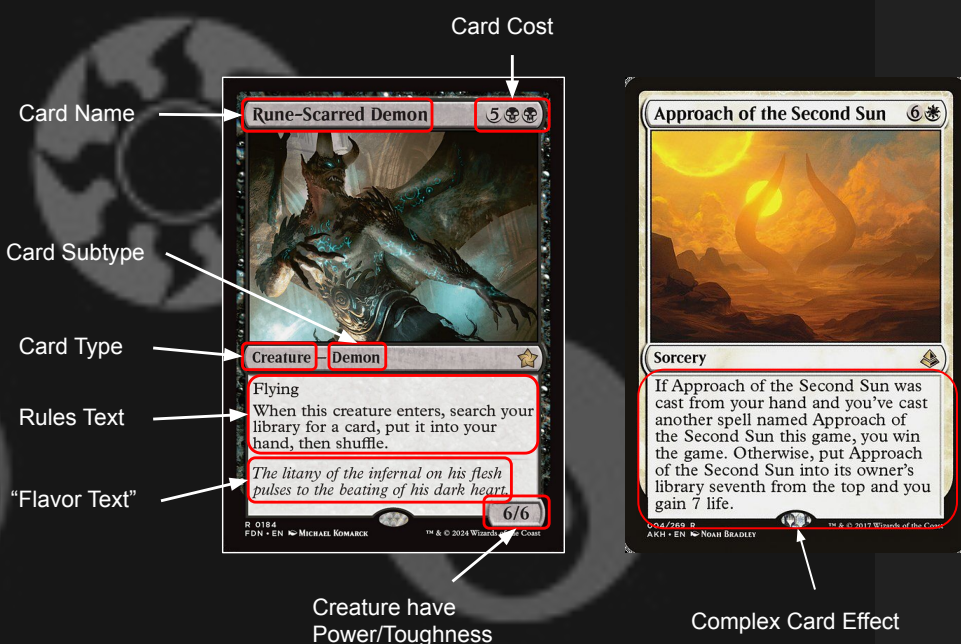
This is not Land



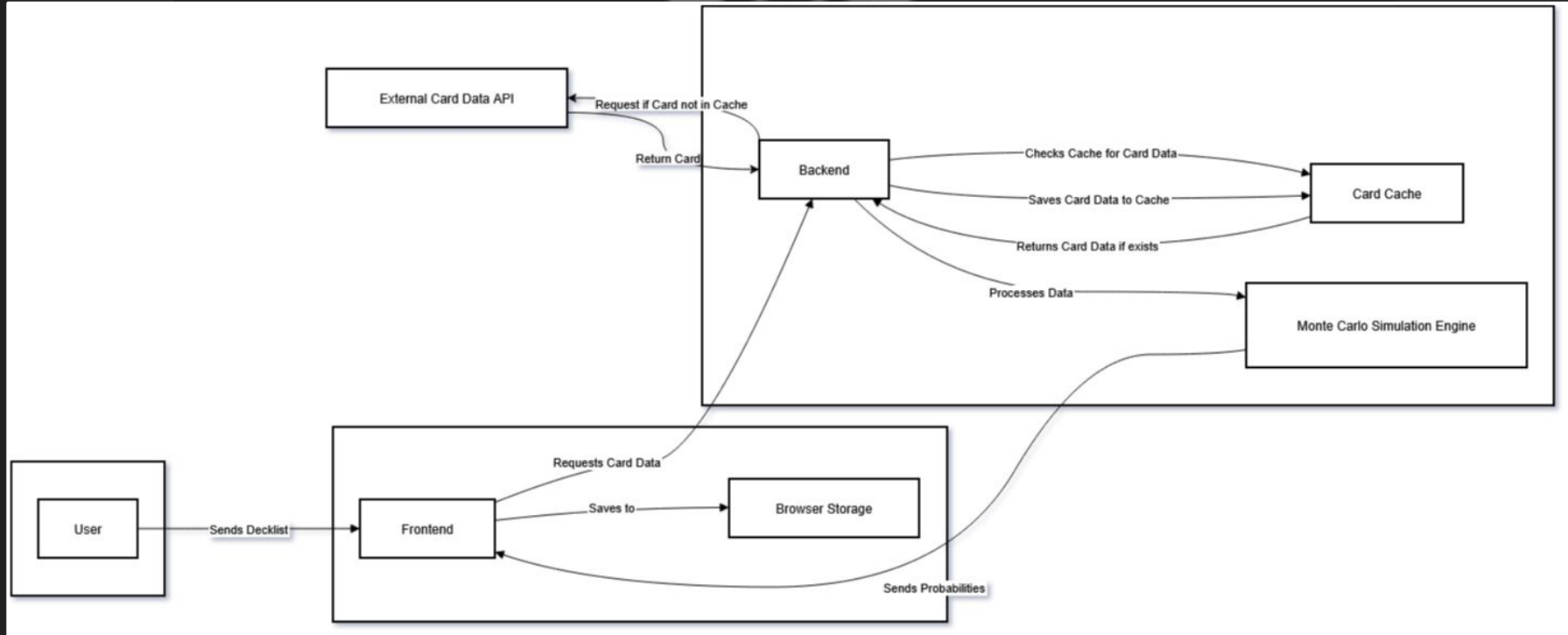
Example of a Way
to Win the Game

Problem

- Current Tools:
 - Don't Take into account complex card effects.
 - Can only be used for specific online versions of the game.
- Our Tool:
 - Can be used regardless of format and how the user is playing.
 - Will take into account the complex actions of cards.



Implementation / Pipeline



Links/References

These Links can be helpful for either providing more information regarding the game or related works.

[Untapped.GG Companion](#)

[Scryfall Database](#)

[Introduction to Magic Slideshow](#) - Card Anatomy idea used.

[MTG Formats](#)

[Youtube: How to Magic the Gathering](#) - Presented by The Command Zone