Name: Thomas Quinn Langsfeld
Title: Magic: The Gathering Search App

Project Summary:

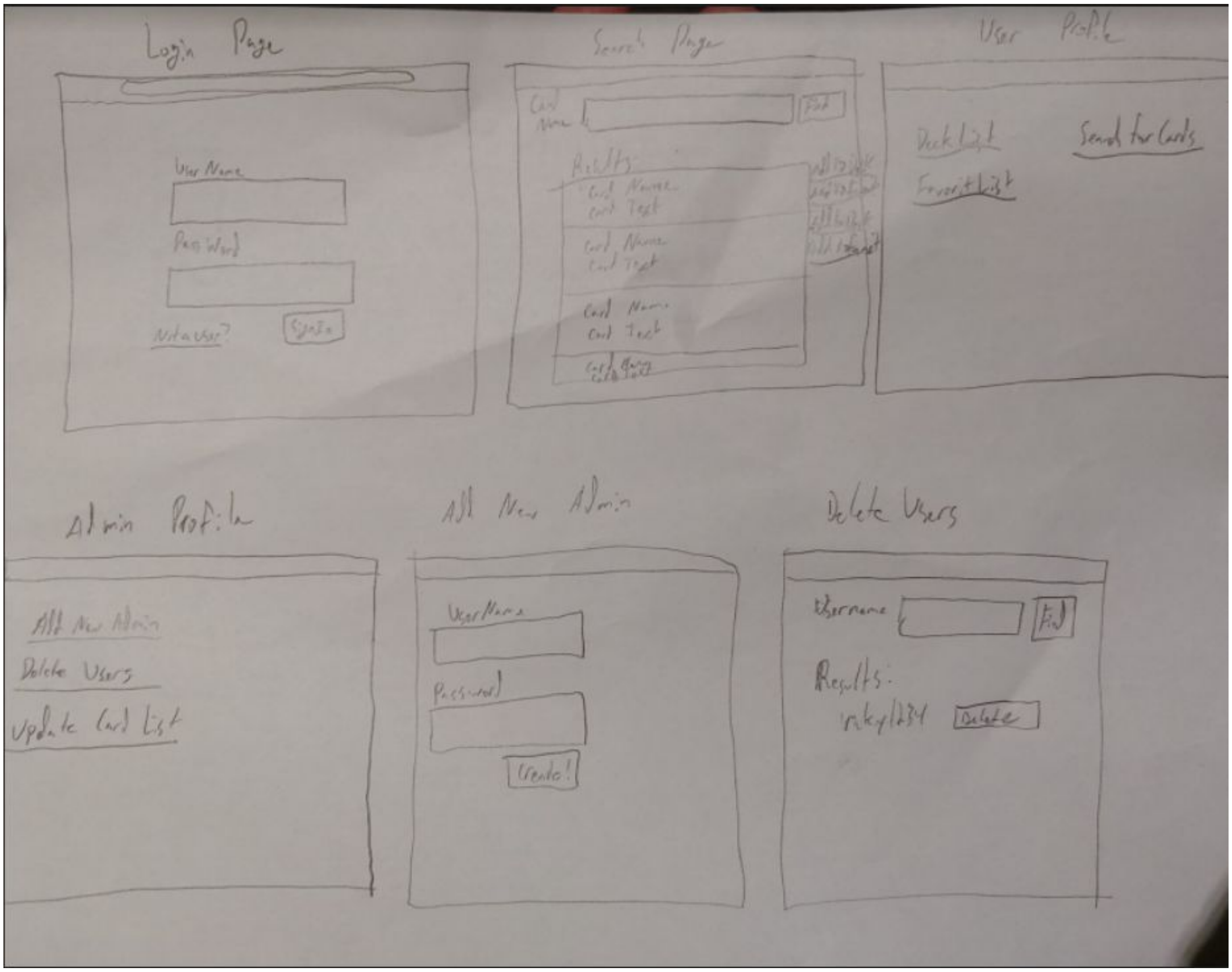
A website service for searching and displaying Magic: The Gathering trading cards. Users will be able to search for specific cards as well as manage a collection of favorite cards and decks consisting of cards. We will set up for one client and one MTG set only.

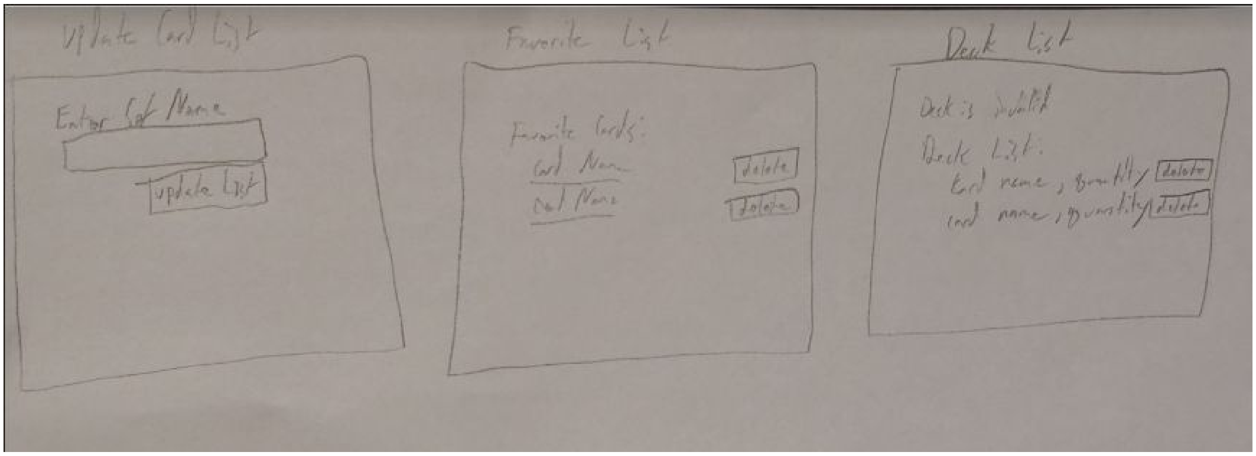
Project Requirements:

Use Case ID:	Use Case Name:	User Requirement:
UC-01	User Signup	Users can create an account: -User selects signup - system displays signup form -User enters information - system creates user and redirects to profile.
UC-02	User Login	Users with an account can login: -User enters login info - system authenticates and redirects to profile if successful
UC-03	Update site card list	Admin can update sitewide card list: -Admin clicks update card list - system presents input Form -Admin enters set name - system scrapes MTG API for set information and stores in database
UC-04	Add new admin	Admin can create new admin: -Admin selects add new admin - system presents form -Admin enters info for new admin - system creates new admin profile and persists to database
UC-05	Search for card	User, Admin can search for cards: -User goes to search page - system displays search form -User enters info into form - system queries database and displays cards similar based on input form info

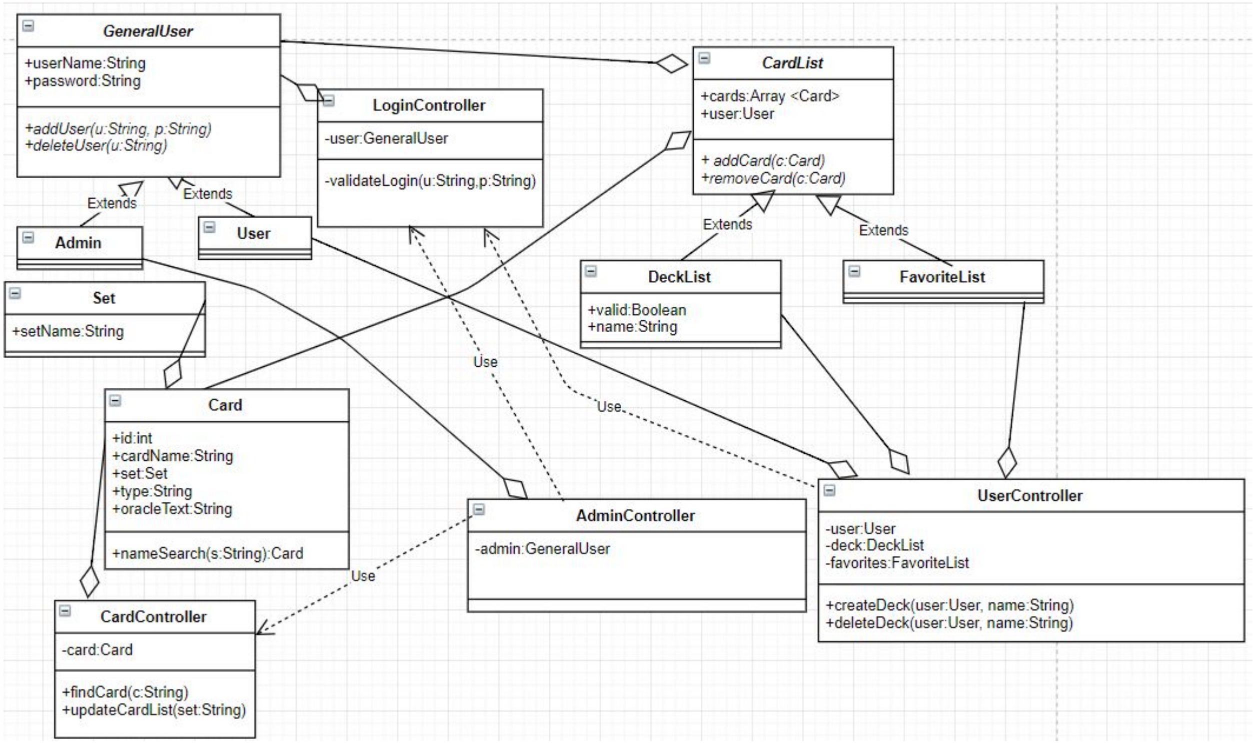
UC-06	Add card to favorite list	User can add a card to their favorite card list: -User searches for card - system displays cards (see UC-05) -User selects add to favorite button - system updates user favorite list and persists to database
UC-07	Remove card from favorite list	User can remove a card from their favorite card list: -User selects favorite card list - system displays the list -User selects card - system displays card -User selects remove from favorite list - system updates user favorite list and persists to database
UC-08	Create new deck list	User can create a new deck list: -User navigates to profile - system displays profile -User selects create deck - system displays empty deck list
UC-09	Add card to deck list	User can add cards to a deck list: -User searches for card - system displays card (UC-05) -User selects add to deck - system displays input form -User enters number of cards to add and submit -system updates deck list and persists to database
UC-10	Remove card from deck list	User can remove cards from deck list: -User navigates to profile - system displays profile -User selects deck list - system displays deck list -User selects card - system displays card -User selects remove card - system displays form -User enters how many to remove - system updates deck list and persists to database
UC-11	Remove users	Admin can delete users: -Admin chooses user list - system displays user list -Admin selects user - system displays user information -Admin selects delete user - system removes all related user information from database

UI Mockups:


Login Page
User Name
Pass Word
Not a user?
Sign In
Search Page
Card Name
Find
Results:
Card Name
Card Text
Card Name
Card Text
Card Name
Card Text
Card Name
Card Text
Add to Deck
Add to Fav
Add to Deck
Add to Fav
User Profile
Deck List
Search for Cards
Favorite List
Admin Profile
Add New Admin
Delete Users
Update Card List
Add New Admin
UserName
Password
Create!
Delete Users
Username
Find
Results:
rickyl234
Delete


Update Card List
Enter Set Name
Update List
Favorite List
Favorite Cards:
Card Name
delete
Card Name
delete
Deck List
Deck is Invalid
Deck List:
Card name, quantity
delete
card name, quantity
delete

Class Diagram:



Note: All Controllers inherit from Ruby on Rails ApplicationController class. All Models (non-controllers in the above diagram) inherit from Ruby on Rails ActiveRecord::Base class.