

CSC 455 Database Project

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Project: Legend of the Five Rings Reference Database

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Description: Build a reference database for the collectible card game "Legend of the Five Rings". The database will provide detailed information about a chosen card or cards from a subset available in the game. The user will select criteria for a desired card or cards, i.e. card title, keywords, or attributes, and be returned the matching results from the database. In addition, the user will be able to save previous searches, identify cards already owned, and create a 'wishlist' of cards for future purchase. Users may connect with each other, choose to share or hide their wishlists, or propose a trade with another user.

Supported operations:

User options:

- Register
- Login
- Logout
- Search
 - o Card Title
 - String from user input
 - o Card Clan
 - Drop-down menu
 - o Card Type
 - Drop-down menu
 - o Card Attribute
 - Drop-down menu
 - o Keyword(s)
 - String from user input
- Sort results
 - o Title (alphabetically), Type, Class, Attribute, etc.
- Save search
- View previous searches
- Create wishlist
 - o Set public/private
 - o Share wishlist with another user
- Find user
 - o Compare wishlist
 - o Propose trade

- Save to wishlist
- View wishlist

Admin options:

- Login
- Logout
- Search
 - Same functions as user
- Add card
- Edit card
- Remove card
- Create user
- Edit user
- Remove user
- Find user
- Ban user

Possible/Example Queries:

- Select *title* from ***Personality*** where *chi* > 5 and *honor* = 7
- Select *honor* from ***Stronghold*** where *clan* = "Dragon"
- Select distinct (*title*) from ***Follower, Personality*** where ***Follower.honor_req*** is >= ***Personality.personal_honor*** and ***Personality.clan*** = "Lion"
- Select *title* from ***Holding*** where *gold_production* > 2

Interface specification:

- User / Admin interface will be menu based.
- The left side of the window will be search criteria. The right side of the window will yield search results, providing a picture(s) and details of the card(s) returned by the search.