

SmartCards

Startup04:

In this document we hope to update you with our product. This document will cover our ER diagram and why we chose this as our main structure.



[ER Diagram]

Entities:

User: the actual user for our application. Email and password is used for registration and logging in, name is the user's name, and the quote will be displayed at the front page of each user. Each user can have many decks, which will be referenced by an id unique to each deck.

Deck: a collection of cards owned by a user. The deckname is the deck's name, and the tags are the features of this deck that can be added by users. These tags can be used in searching. Each deck can only belong to one user. It can have many cards, which will also be referenced by card ids.

Card: a data structure that utilizes a text, and or media link. Each side will have text or media or both. The edit page will be responsible for adding those into a new card, or editing an existing card. Each card can only belong to one deck.

Implementation:

Edit pages: this will primarily use the card and one deck. It will load the card and display its content and allow a user to change it. From there the user will then be able to save and overwrite the deck or cancel and just reload the deck.

Settings: This page will contain the user information such as email and password, and users are able to change the information. It does not have much to do with the data in Decks/Stacks and Cards.

Grid: This page will use one deck, and display each card in that deck in a grid format. The user can click on each card to flip it and see the contents of the other side.

Gallery: The deck preview slider component on the bottom of this page will be filled with each card in a single deck. The card display component will provide an enlarged view of the current card being viewed. Users can also click the card to flip it.

Search page: A user can use this page to search for decks they have created. It will display decks that match a search based on its deckname and/or tags. Only decks will be displayed, not individual cards.

Home: will contain the information for the user. The page will not display any cards but can preview decks.