

Project Description

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We are going to use two separate data sets (we might manually combine them into a single data set, or keep separate files). The first is a list of instances that any spell was used across all Harry Potter books. Each data entry consists of the spell name, the book it was used in, the line of text it was used in, and the word number it was (across the whole series). We obtained this data from

<http://www.austinwehrwein.com/data-visualization/the-spells-of-harry-potter/>.

The author had created several graphics based on the data. He didn't explicitly say that the data can be used for academic purposes, but he included a link to the data CSV file as well as his source code.

The second data set we want to incorporate is from

<https://github.com/aeiillmrh/harry-potter/blob/master/spells.txt>. It is also focused on Harry Potter spells, but rather than listing specific occurrences it lists spell name, spell type (spell, curse, charm, or jinx), and a description of what the spell does. On the same GitHub page there a README file that says "Take a dataset of Harry Potter spells and play around with them".

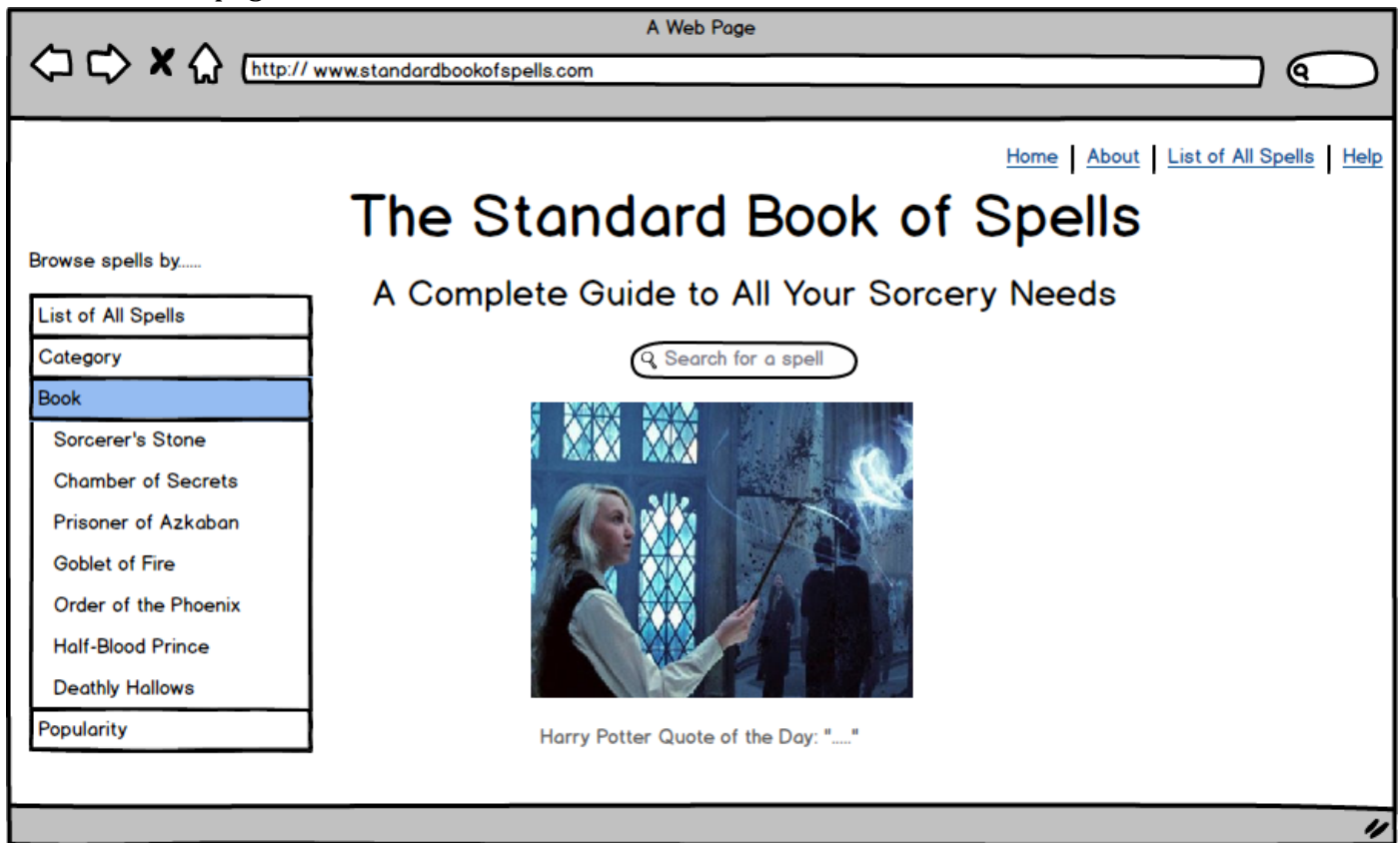
Features to include:

- Search by spell name. Will bring the user to a page that describes the spell's functionality and statistics of how frequently it is used across the whole series and each book, as well as where it was first used.
- Browse by most popular spells (as defined by frequency of use in all books) and click on links for more information.
- Browse by spell type (curse/jinx/charm/spell) with links to more details for each.
- Browse by most popular spells in each book.

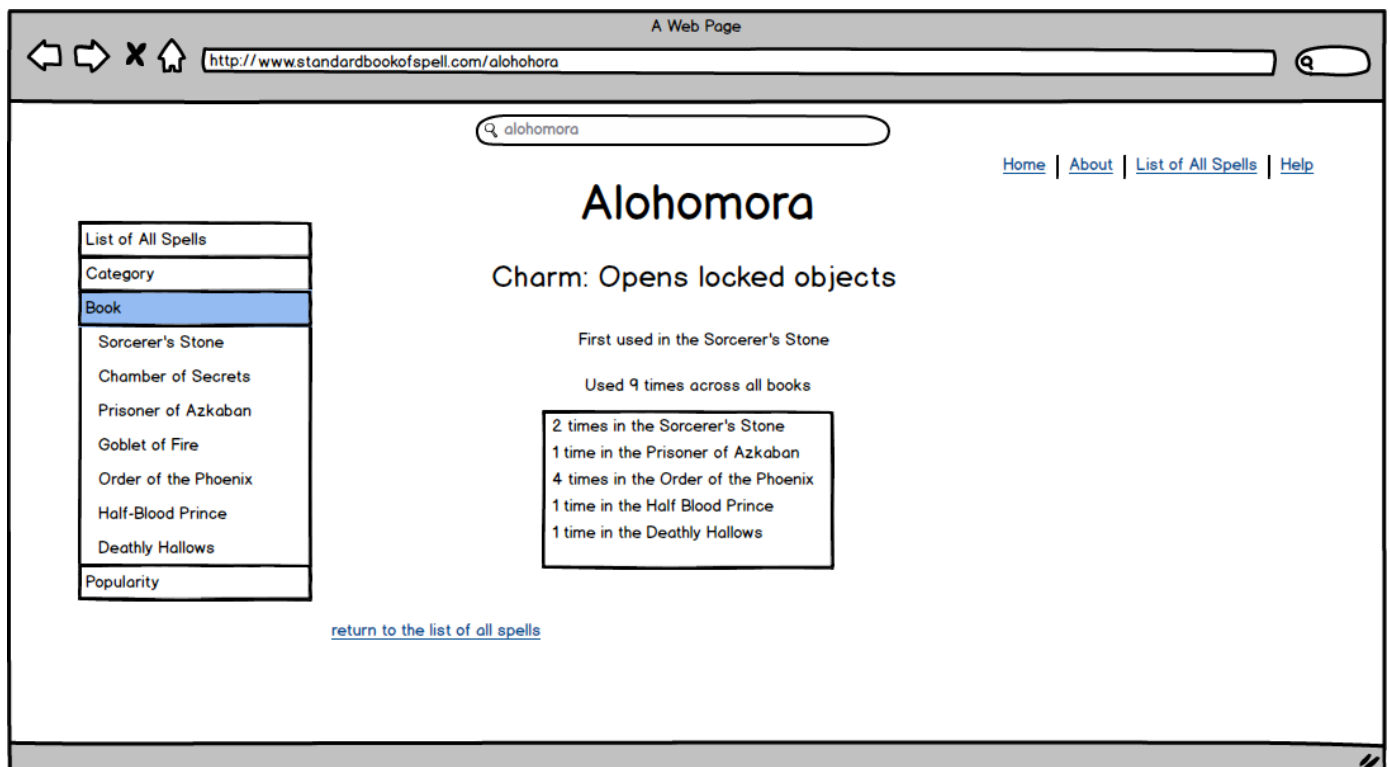
More ambitious features to possibly include:

- Add in data about who used each spell. We could add this in manually because the first dataset provides the context each spell was used in.
 - Then we could let users search by character and include character usage in the detail page for each spell.
- Add graphs and visuals related to the spells and their popularity.

Home page



Page that describes a single spell



Page that lists all spells that are curses

