GitHub Manager Web App

Styling

JQuery Mobile

* Clean styling for mobile devices
* Allows for design of one page, that renders nicely on mobile, and desktop browsers
* Lots of documentation and tutorials available both on w3Schools, as well as the JQuery Mobile homepage

Backend/Client-Side API Libraries

JavaScript

node-github.js

* Third-Party JavaScript Library for the Github API
* Full implementation of most parts of the GitHub API
* High star rating on GitHub
* Supports OAuth Authentication

Ruby

octokit.rb

* Maintained by GitHub, i.e. non-third-party
* Back-End Server-Side Library
* Full Support of GitHub API

PHP

github-php-client

* Third-Party Back-End Server-Side Library
* Seems to be somewhat limited, but it is hard to tell since most documentation seems to be generated through PHP

php-github-client

* Third-Party Back-End Server-Side Library
* Requires PHP >= 5.3.2 with the CuRL Extension, and Guzzle Library
* Seems to support full control of all GitHub API

Pages

Login Page

* User Email and Password -> Just Use GitHub Accounts
* Form Submit will need PHP/Ruby Script or some backend action (possibly use JavaScript library here for GitHub API)

Home Page

* Links to all other pages and explanations for what each page will contain. Possibly in a tile format
* List of User’s Repositories
* Newsfeed of changes made to all repositories, not only made by the user, but all contributors as well
* List of the User’s followers

All Issues Page

* List of Issues from all repositories
* Include in the list Open/Close Markers(if possible), Author, Milestones, Asignee

All Pull Requests Page

* List of Pull Requests from all repositories
* Include in the list Open/Close Markers(if possible), Author, Milestones, Asignee

All Repositories Page (Summary View)

* List of all Repositories that user owns or is a contributor to
* Click on the name of a repository should navigate to the detailed view
* Possibly provide link to GitHub analytics page (for now link to GitHub, possibly if time we will render our own analytics/graphs)

Repository Page (Detailed View)

* List of contributors assigned to the repository
* Description of the Repository
* ReadMe for the repository (if available the area is shown, in the case where there isn’t a readme, remove this section)
* File structure of the repository in a list view (possibly click on filename will link to text view of the document)
* # of commits to the repository
* Branches listed in a hierarchal structure
* List of Issues for the repository possibly in a sidebar on the right of the page
* List of Pull Requests for the repository possibly in a sidebar on the right of the page

Notifications Page

* List of the current notifications the user has created
* Provide Delete button for each of the notifications in the list
* Create New Notification button
  + Will launch a modal dialog of sorts, that will contain the create notification form
  + Form will include the following
    - A Repository Choice Dropdown (must choose one repository)
    - Branch choice dropdown (disabled until repo is chosen, and a all branches option should be available)
    - SMS/Email/Both radio buttons (If SMS or Both is chosen show a phone number input box)
    - “Notify When” Checkboxes will include:
      * Always Shown:
        + New Pull Requests
        + New Issues Added
        + New Commits
        + New Merges (MAYBE)
      * Shown when All Branches is selected:
        + New Branches Created
        + New Contributors Added