Shell Project

Purpose:

To allow users to create a "dashboard" type page made up of widgets. Each widget contains an item such as a twitter, facebook, or instagram feed, a youtube video or playlist, a text block, a photo, etc. The user can arrange the widgets in any configuration they like to create their idea layout.

When displayed on a desktop, the page will be responsive to fit on any screen as a single page with no scrolling. Every user will be limited to one fixed screen worth of area, and it will be up to them to optimize the use of this area by choosing how big to make each widget and where to place it.

When displayed on a tablet or phone, the widgets will align in a single scrollable list or column.

Users can choose to make their dashboard page public, private for friends only, or completely private so only the user can see their own page.

Users can bookmark other users' pages and view a list of their bookmarked pages in their user menu. The portion of the front page of the website for visitors who are not signed in may display the "most popular" pages (the most bookmarked pages), newest pages, or most active (most visited) pages, etc.

The Page:

The page cannot exceed 1 average desktop screen, so it must be responsive so that the majority of users and visitors can view an entire dashboard without having to scroll. When viewed on a mobile device such as a tablet or phone, all of the widgets should organize into a single list or column.

The desktop page will consist of a small header and footer (these are for functions such as menu, logo, links, search, signup, and login, etc.), a column on the left (this is for users who are logged in and will be for quick access to bookmarked pages, statistics, editing/tools, and other functions to be added later), and the main dashboard area.

The Dasboard:

The dashboard is a predefined amount of space on which the user can create their page using widgets. For editing purposes, this page will be made up of a predetermined number of squares in a grid (X, Y) to allow for placement and layout of widgets that make up the page.
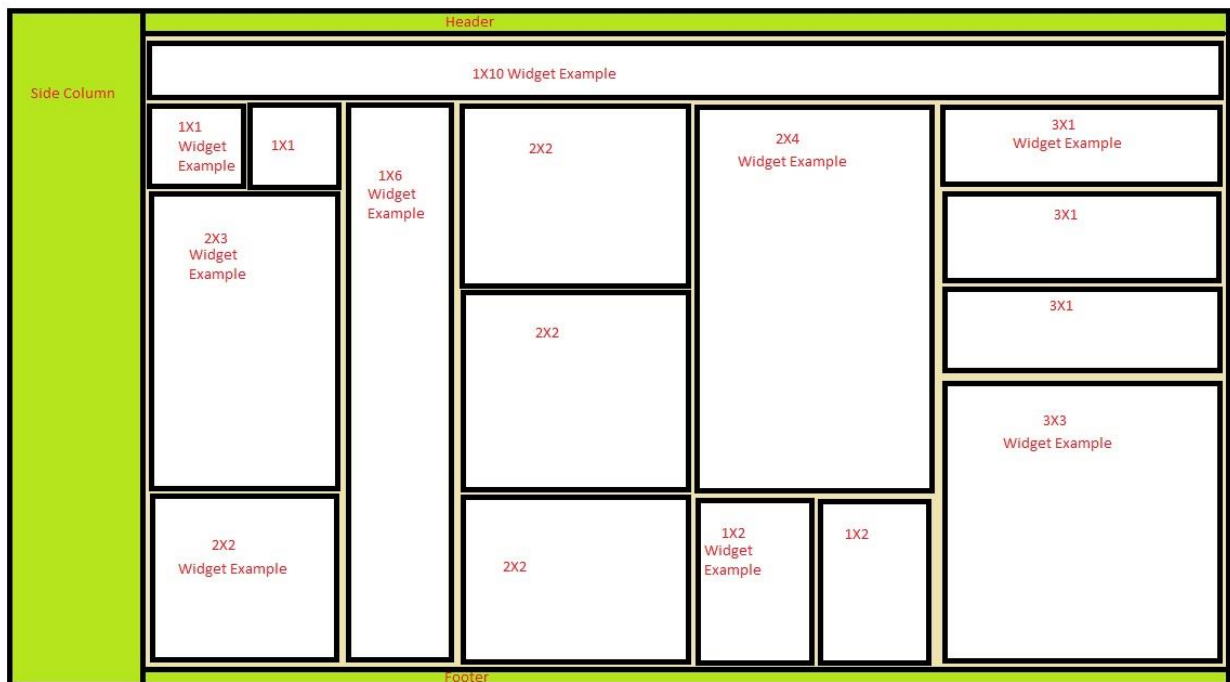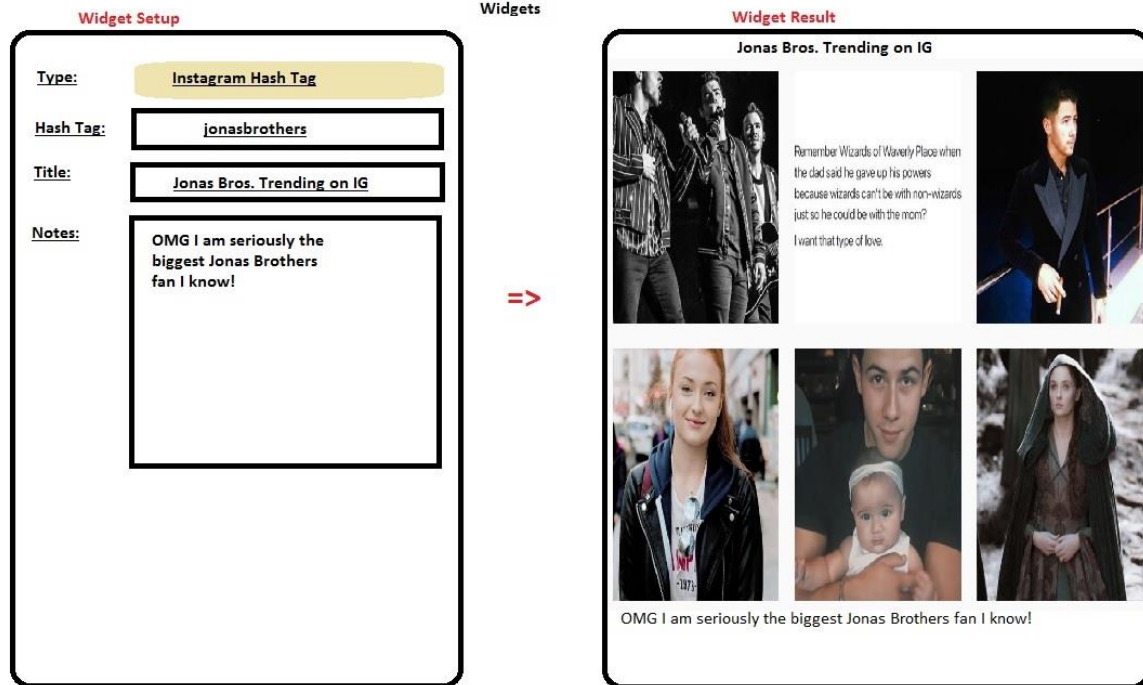
The Widgets:

Placement/Layout:

Users can customize their layout by choosing the size and placement of widgets. The user can choose the size of each widget by selecting the number of squares (X, Y) they would like each widget to be. For example, if a dashboard is 16 squares wide and 9 squares high, the user may want to create a widget at the top that is 16 squares wide and 1 square high, a series of 1X1 widgets, 2X2 widgets, 2X7 widgets, 4X2 widgets, etc.

Content:

Within each widget, a user can choose what to display. Each widget will have setup options such as "Title", "content type" (eg. instagram feed), "type specifics", "notes", etc. which will determine the appearance of the widget.

Widgets

Widget Setup — Instagram Hash Tag
Type: Instagram Hash Tag
Hash Tag: jonasbrothers
Title: Jonas Bros. Trending on IG
Notes: OMG I am seriously the biggest Jonas Brothers fan I know!

=>

Widget Result — Jonas Bros. Trending on IG
OMG I am seriously the biggest Jonas Brothers fan I know!

Types:

Over time, the types of widgets will expand, but initially items such as these should be included:

- YouTube/Vimeo/Vine/TicTok
  - ♦ Channel
  - ♦ Single Video
  - ♦ Play List
  - ♦ Latest Video
- Twitter/Instagram
  - ♦ User Feed
  - ♦ Hash Tag
- Facebook
- HTML Link (Should use scraper to show image/title instead of just raw link)
- Text Block (No HTML)

- Photo
  - ♦ Single Photo
  - ♦ Photo Slider
  - ♦ Photo Gallery
- Amazon/eBay/PoshMark/Mercari
  - ♦ Single Item
  - ♦ Item List
  - ♦ Item Slider
- Stock Ticker
- Pinterest
  - ♦ Single Pin
  - ♦ Single User
  - ♦ Single Board
  - ♦ Hash Tag
- RSS
- Weather
- LinkedIn
- Calendar
- Indie Music (Loudup, Reverbnation, Drooble, etc)
- Snap Chat
- Like to Know it