

12DTP Project

Title: mygbtracker

Purpose, Function, and End User of my Website.

I will design a website that will track current, future, and past group buys for mechanical keyboards. It will display relevant information about the topic including images, important dates, Vendor information, designer/starter information and other information that I would consider useful for the end user of my website.

Database Notes and Layout.



Website layout and design

- Website layout and design including fonts & colours

Colour Palette
#E9492B - ACCENTS
#CCCCCC8 - TEXT
#000000 - BACKGROUND
(geekhack theme)

Fonts:
Oxygen Mono - Title
Oxygen - Everything else

Update:
(Geekhack theme ugly)
Colour Palette:
Black - text
White - Background
Grey - Accents

Black - Text

Comic Sans

My[GB]tracker

Sort by... Search Bar

Live	Picture	Picture	Picture
Upcoming	Title Price: \$___ Dates (start end)	Title Price: \$___ Dates (start end)	Title Price: \$___ Dates (start end)
Interest	Picture	Picture	Picture
Completed	Title Price: \$___ Dates (start end)	Title Price: \$___ Dates (start end)	Title Price: \$___ Dates (start end)

Footer
Contact info
Some other information

- This format will be consistent throughout all the pages Live, Upcoming, Interest, Completed.
- [GB] is common syntax that would be recognised by any keyboard enthusiasts, as such it was incorporated into the name of the website.
- Pictures will be stored as links and one picture will be shown as an href as the icon for each thread.
- Footers will have important information such as contact details, important links possibly github and other similar websites which also display information like this (keycaps, keyboards, etc).
- Users will be able to search for whatever they're looking for.
- And sort by different things such as starter/designer, vendors, manufacturer and other things that would be good to sort by.

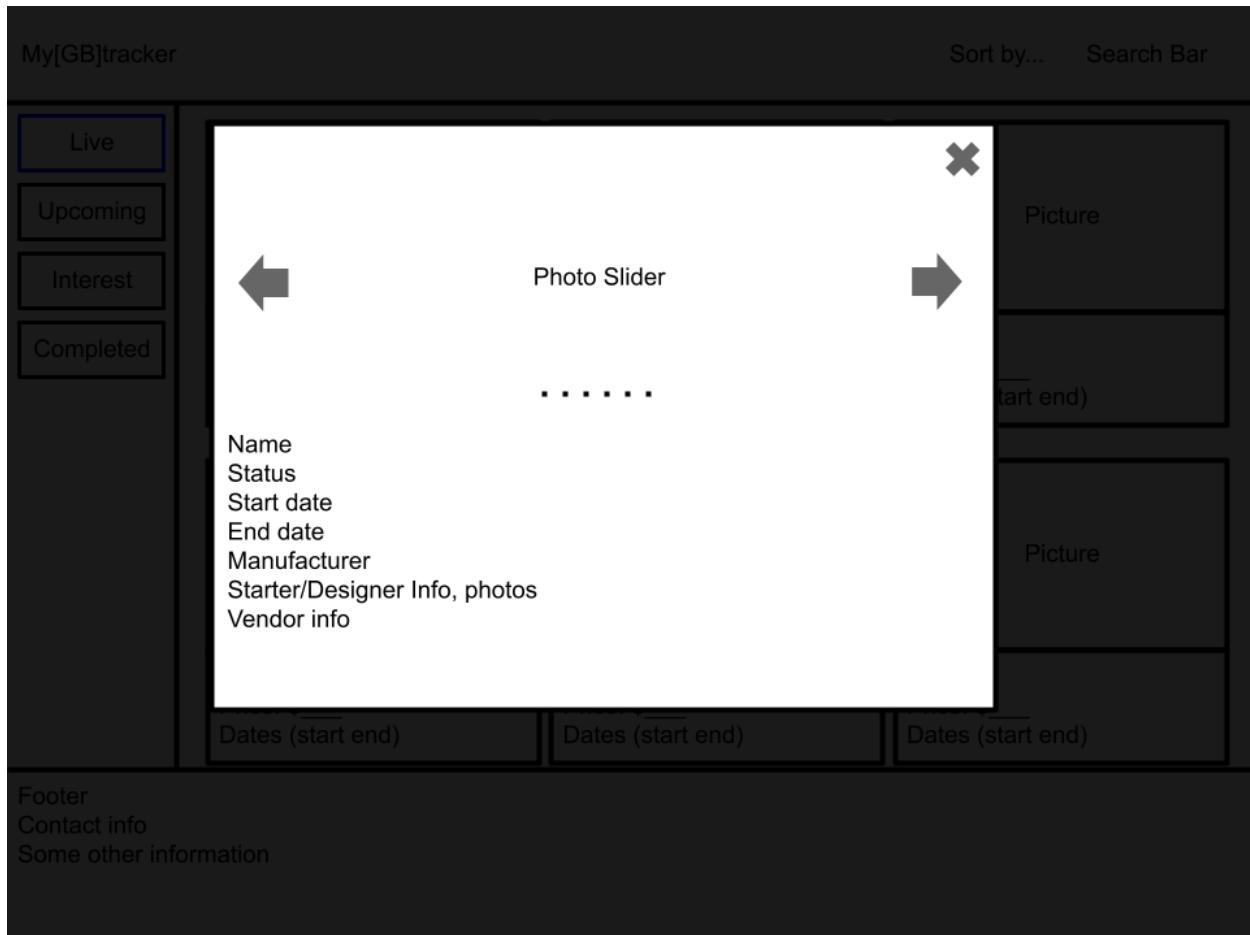
Live	Picture Slideshow	Picture	Picture
Upcoming			
Interest			
Completed	Title Price: \$___ Dates (start end)	Title Price: \$___ Dates (start end)	Title Price: \$___ Dates (start end)
	Picture	Picture	Picture
	Title Price: \$___ Dates (start end)	Title Price: \$___ Dates (start end)	Title Price: \$___ Dates (start end)

Footer

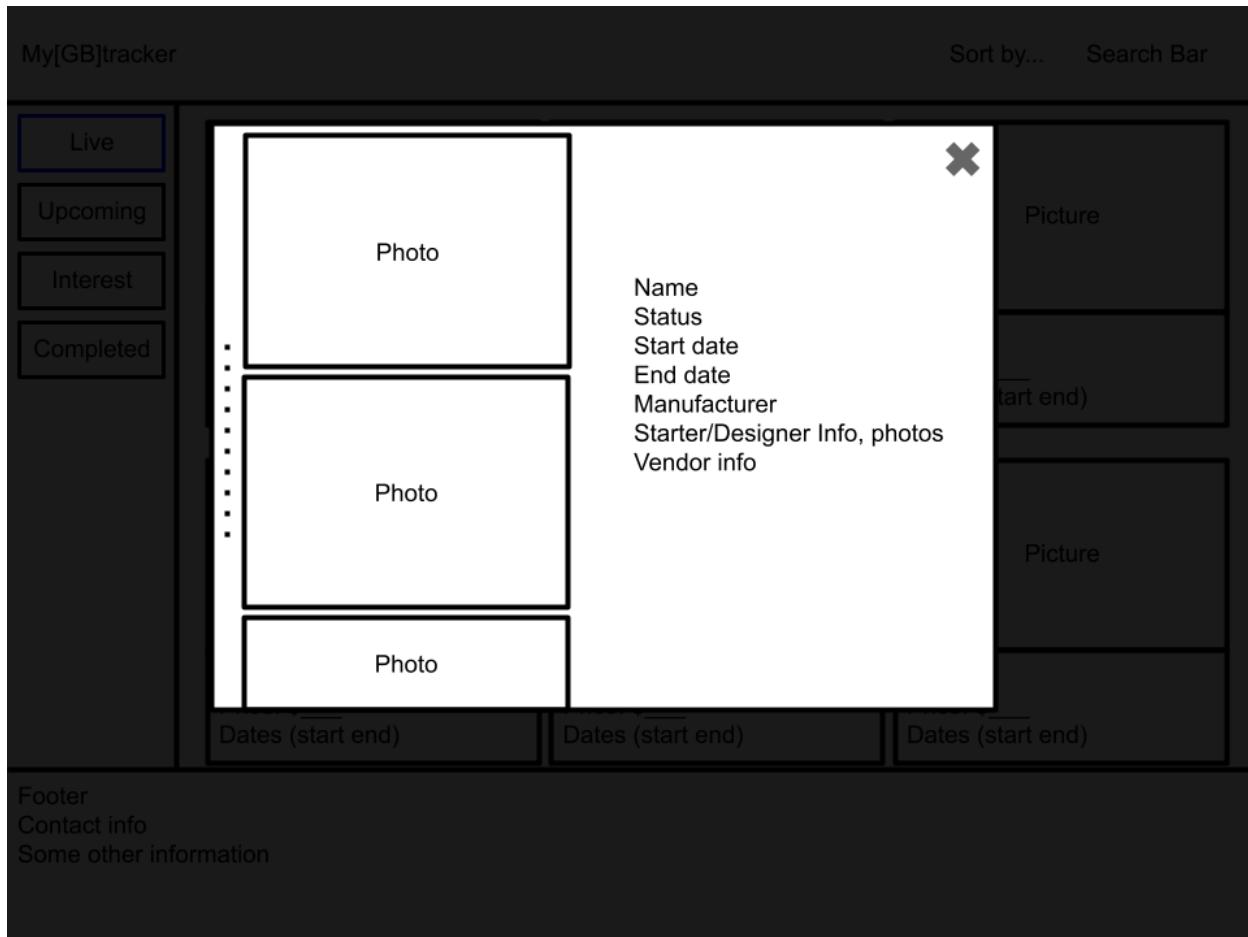
Contact info

Some other information

- As a picture is hovered over by the user, it will give the user some indication that they are hovering over the container, the pictures will begin to cycle through the ones that are in the database.
- Cycling through images serves no real purpose so I probably won't put it in and it'll just make it take longer to load.



- As a container is clicked, a modal popup will appear corresponding to the container that is clicked.
- It will show all relevant information such as name, important dates, and other relevant information.
- Background darkened when the modal is clicked and other elements on the webpage will not be clickable. when modal is exited it will return to normal
- “X” will be used to close the modal window, the modal window can also be closed by clicking away from the modal window.
- ← and → will be used to cycle through the images, and will be clickable and display their respective pictures. (pictures could cycle through automatically but that might not be good so I don't know)



- Another Version of the Modal, scrolling will cycle through the pictures and you can click on the dots on the side to go to pictures fast.
- This one is cooler in my opinion.

routes* / function signatures** for each page

Home

```
@app.route("/")
def home()
```

Live

```
@app.route("/live")
def live()
```

Group Buy

```
@app.route("/groupbuy")
def groupBuy()
```

Interest Check

```
@app.route("/interestcheck")
```

```
def interestCheck()
```

Completed

```
@app.route("/completed")
def completed()
```

Topic

```
@app.route("/<int:id>")
def modal(id)
```

Database Queries

Live:

```
SELECT Thread.thread_name, Thread.price, Thread.start_date, Thread.end_date FROM
Thread JOIN status ON Status.id = Thread.status_id WHERE Status.id=1;
```

Upcoming:

```
SELECT Thread.thread_name, Thread.price, Thread.start_date, Thread.end_date FROM
Thread JOIN status ON Status.id = Thread.status_id WHERE Status.id = 2;
```

Interest:

```
SELECT Thread.thread_name, Thread.price, Thread.start_date, Thread.end_date FROM
Thread JOIN status ON Status.id = Thread.status_id WHERE Status.id = 3;
```

Completed:

```
SELECT Thread.thread_name, Thread.price, Thread.start_date, Thread.end_date FROM
Thread JOIN status ON Status.id = Thread.status_id WHERE Status.id = 4;
```

Pictures for main pages:

```
SELECT Photo.photo_link FROM Photo JOIN Thread ON thread.id = Photo.thread_id WHERE
Thread.id = ?;
```

- Only get 1 picture per thread id.

Modal:

Thread, price, start/end, status, type, manufacturer

```
SELECT Thread.thread_name, Thread.price, Thread.start_date, Thread.end_date,
Status.status_name, Type.type_name, Manufacturer.manufacturer_name FROM Thread JOIN
Manufacturer ON Manufacturer.id = Thread.Manufacturer_id JOIN Status ON Status.id =
Thread.status_id JOIN Type ON type.id = Thread.type_id WHERE Thread.id = ?
```

Vendor Information

```
SELECT Vendor.vendor_name, Vendor.vendor_link FROM Vendor JOIN ThreadVendor ON ThreadVendor.thread_id = ThreadVendor.vendor_id WHERE ThreadVendor.thread_id = ?
```

Starter Information

```
SELECT Starter.starter_name, Starter.starter_picture FROM Starter JOIN Thread ON Starter.id = Thread.starter_id WHERE Thread.id = ?
```

Pictures

```
SELECT Photo.photo_link FROM Photo JOIN Thread ON thread.id = Photo.thread_id WHERE Thread.id = ?;
```

Edit:

These won't work with new database structure

Sample Results

Main Pages

Live, Upcoming, Interest, Completed

thread_name	price	start_date	end_date
test	644.00	0001-01-01	0001-01-30
...
...

Pictures

photo_link
imgur.com/sgquewtg2queuit33gd.jpg
website.com/kflsasfasfasfl.png
etc...

Modal

Thread, price, start/end, status, type, manufacturer

thread_name	price	start_date	end_date	status_name	Type-name	Manufacturer
...
...

...
-----	-----	-----	-----	-----	-----	-----

Vendor_name	Vendor_link
...	...
...	...

starter_name	starter_picture
...	...
...	...

photo_link
imgur.com/sgquewtg2qeuit33gd.jpg
website.com/kflsasfasfasfl.png
etc...

Justifications

Through research through different websites that display this kind of information
i.e keycaplendar.com mechgroupbuys.com geekhack.org

- The formatting of the main pages is based mostly on those websites.
- Keycaplendar uses a side popup as you click images and Mechgroupbuys takes you to a new page, Keycaplendar's idea in my opinion the best way to do it however, I have more information so it would be kind of awkward fitting all that in there. Mechgroupbuys is slow as you have to load the page, and once you're finished looking at it you have to go back and it's really just a pain. A modal solves both the issues that I have with those two websites so I chose to do that.

- First modal layout was just how I imagined it would look, the first layout would probably be more suitable for mobile use. The second layout was inspired by the [switchkeys](#) which layout I happened to be scrolling through in my free time.
- Color scheme is taken from geekhack a forum for keyboard enthusiasts
- Oxygen was chosen as the font just because I liked it.

Database Query Testing

What you are testing	How you are testing it	Expected results	Actual Results	Pass/Fail/Notes	Purpose
<pre>SELECT Thread.id, Starter.id, Link.link, Thread.thread_name, Starter.starter_name, Category.category_name, Thread.start_date FROM Thread JOIN Starter ON Starter.id = Thread.starter_id JOIN Category ON Category.id = Thread.category_id LEFT JOIN Link ON Thread.id = Link.thread_id WHERE Thread.id=?;</pre>	Running the code/running it in sqlitestudio	Test id 113783 (Has no links) Id, id:1, link, thread_name, starter_name, category_name , start_date Test id 113851 (Has links) Id, id:1, link, thread_name, starter_name, category_name , start_date	Nothing	Fail Note: no data shows up for some reason Pass	Getting data for modal popup.
<pre>SELECT Thread.id, Starter.id, Link.link, Thread.thread_name, Starter.starter_name, Category.category_name, Thread.start_date FROM Thread JOIN Starter ON Starter.id = Thread.starter_id JOIN Category ON Category.id = Thread.category_id LEFT JOIN Link ON Thread.id = Link.thread_id WHERE Thread.id=?;</pre>	Running the code/running it in sqlitestudio	Test id 113783 Id, id:1, link, thread_name, starter_name, category_name , start_date Test id 113851 Id, id:1, link, thread_name, starter_name, category_name , start_date	Returns expected results	Pass Pass Note: The JOIN operator will return nothing when there is no link in	Getting data for modal popup.

				the link column so use LEFT JOIN.	
<pre>SELECT Thread.id, Photo.id, Thread.thread_name, Category.category_name, Thread.start_date FROM Thread JOIN Category ON Category.id = Thread.category_id JOIN Photo ON Thread.id = Photo.thread_id WHERE Category.id=2 ORDER BY Thread.start_date DESC;</pre>	Running the code/running it in sqlitestudio,	Id, id:1, link, thread_name, starter_name, category_name , start_date	Returns right columns but duplicate rows.	Fail	Getting all threads with the group buy category. Which is category 2.
<pre>SELECT Thread.id, Photo.id, Thread.thread_name, Category.category_name, Thread.start_date FROM Thread JOIN Category ON Category.id = Thread.category_id JOIN Photo ON Thread.id = Photo.thread_id GROUP BY Thread.id ORDER BY Thread.start_date DESC LIMIT 8;</pre>	Running the code/running it in sqlitestudio	Id, id:1, link, thread_name, starter_name, category_name , start_date First 8. Sorted by newest	Same as expected.	Pass Note: Without GROUP operator loads duplicate threads	Getting the newest threads in my database, limit of 8.
<pre>SELECT Thread.id, Photo.id, Thread.thread_name, Category.category_name, Thread.start_date FROM Thread JOIN Category ON Category.id = Thread.category_id JOIN Photo ON Thread.id = Photo.thread_id WHERE Category.id=2 GROUP BY Thread.id ORDER BY Thread.start_date DESC;</pre>	Running the code/running it in sqlitestudio	Id, id:1, link, thread_name, starter_name, category_name , start_date One row for each thread	Same as expected.	Pass Note: Same thing with the GROUP operator	Getting all threads with the group buy category. Which is category 2
<pre>SELECT Thread.id, Photo.id, Thread.thread_name, Category.category_name,</pre>	Running the code/running it in sqlitestudio	Id, id:1, link, thread_name, starter_name, category_name	Same as expected	Pass Note: Same thing with the	Getting all threads with the interest check category. Which is category

Thread.start_date FROM Thread JOIN Category ON Category.id = Thread.category_id JOIN Photo ON Thread.id = Photo.thread_id WHERE Category.id=3 GROUP BY Thread.id ORDER BY Thread.start_date DESC;		, start_date One row for each thread		GROUP operator	3.
SELECT Photo.id FROM Photo WHERE Photo.thread_id=?;	Running the code/running it in sqlitestudio	id for all images associated with that thread id.	Same as expected	Pass	Getting photos for the popup and individual route.
SELECT Thread.id, Photo.id, Thread.thread_name, Category.category_name, Thread.start_date FROM Thread JOIN category ON Category.id = Thread.category_id JOIN Photo ON Thread.id = Photo.thread_id WHERE Thread.thread_name LIKE '%' ? '%' GROUP BY Thread.id ORDER BY Thread.thread_name;	Running the code/running it in sqlitestudio	Id, id:1, link, thread_name, starter_name, category_name , start_date For everything like user input. One row for each thread	Same as expected	Pass Note: Doesn't recognise "?" if you go "%?%" so I use to concatenate after user input.	Search. Finds any entries that have similar thread names to user input.

Tools used

IDE - Atom Text Editor

Database - SQLiteStudio

Languages - CSS, HTML5, Python Flask Library, and SQLiteStudio - Query stuff

General -

Google Chrome - used for both viewing site and searching online for documentation to aid in problems I was experiencing

Git - version control service.

Lucidcharts - ERD

Data INTEGRITY

SOURCE <https://www.geekhack.org/>

Kayven and 0 Guests are viewing this topic.

■ Fe [GB]
Thread Starter

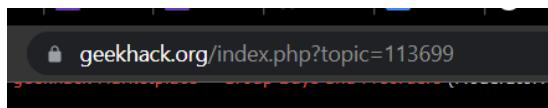


Posts: 33

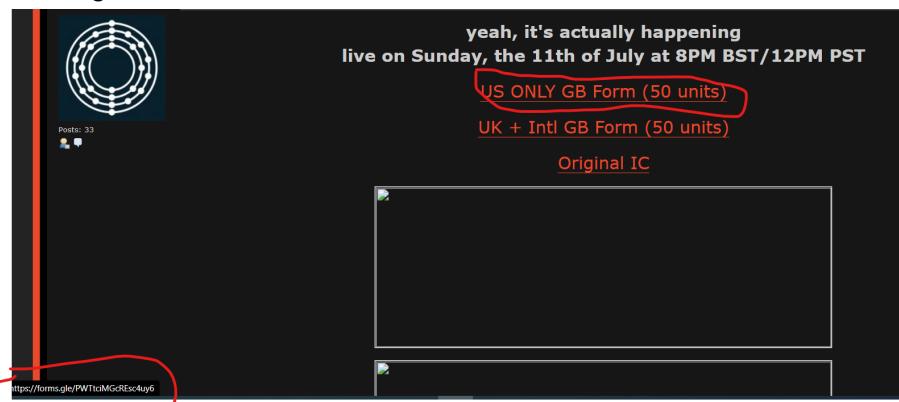
<https://geekhack.org/index.php?action=profile;u=129355>

Checking user profile and link url/id

Thread link



Checking links



Topic: [GB] FEETPAD | Hotswap macropad with wolfy feet and OLED! (Fulfilled) (Read 6106 times)

Author: Thread Starter

Comments and Goats are viewing this topic

Posts: 33

Topic: [GB] FEETPAD | Hotswap macropad with wolfy feet and OLED! (Fulfilled)

Replies: 0

Views: 6106

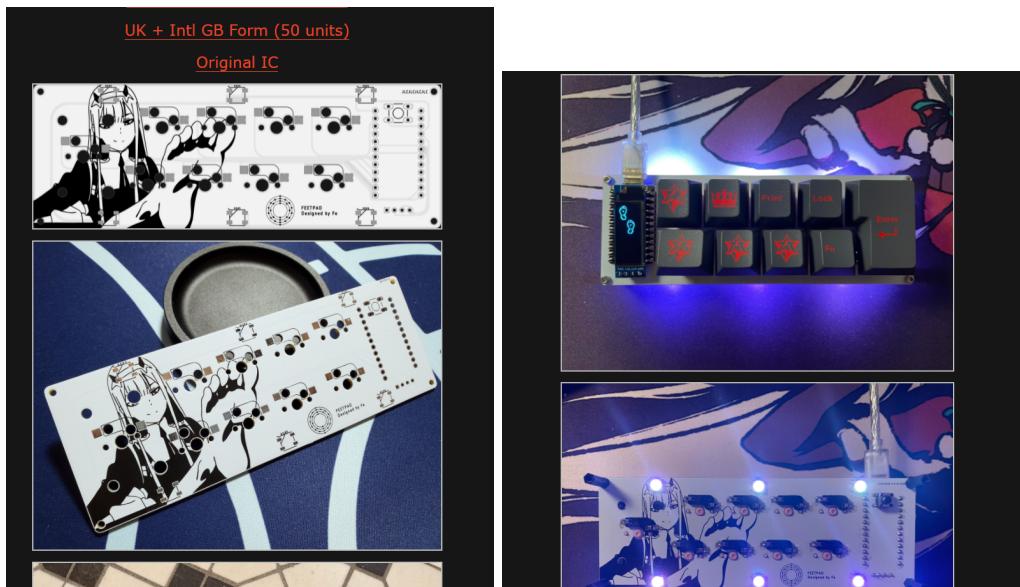
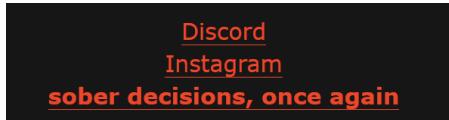
Post # 1

yeah, it's actually happening
live on Sunday, the 11th of July at 8PM BST/12PM PST

US ONLY GB Form (50 units)
UK + Intl GB Form (50 units)

Original IC

Feet Silkscreen art (Zero Two's, specifically)
Hotswap
RGB underglow
ISO enter
OLED w/ custom walking animation tied to WPM (art by @savscarlett00)
QMK and VIA support (unofficial, instructions in the Discord but entirely functional)
Cool curved traces



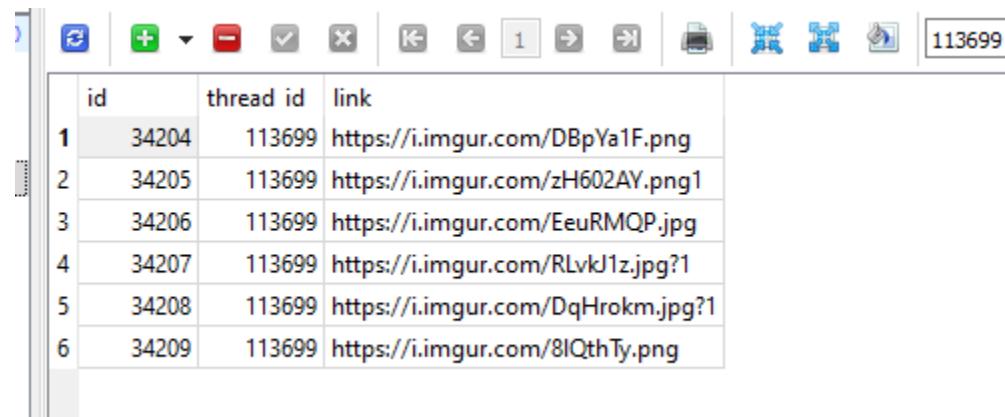
Hovering over US ONLY GB Form(50 units) link

DATABASE

Title, start date and starter/starter_id(users) same as on geekhack also id is the same as the id in the thread link.

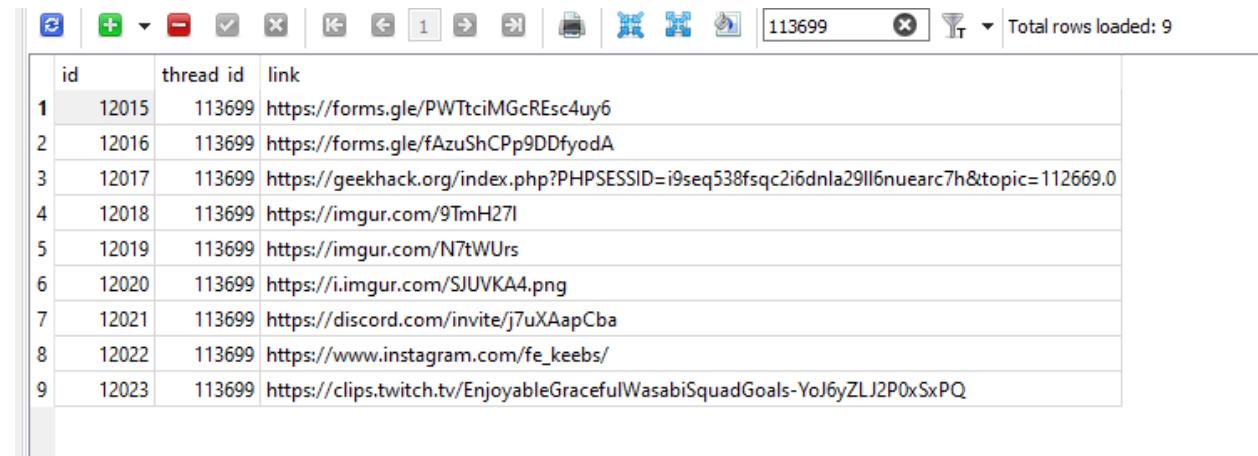
	id	category id	starter id	thread name	start date
1	113699	2	129355	[GB] FEETPAD Hotswap macropad with waifu feet and OLED! (Invoicing)	2021-07-07

Images have the same link as the ones on the website and there are the same amount of images.



	id	thread id	link
1	34204	113699	https://i.imgur.com/DBpYa1F.png
2	34205	113699	https://i.imgur.com/zH602AY.png1
3	34206	113699	https://i.imgur.com/EeuRMQP.jpg
4	34207	113699	https://i.imgur.com/RLvkJ1z.jpg?1
5	34208	113699	https://i.imgur.com/DqHrokrm.jpg?1
6	34209	113699	https://i.imgur.com/8IQthTy.png

All links are the same, same amount also



	id	thread id	link
1	12015	113699	https://forms.gle/PWTciMGcREsc4uy6
2	12016	113699	https://forms.gle/fAzuShCPp9DDfyodA
3	12017	113699	https://geekhack.org/index.php?PHPSESSID=i9seq538fsqc2i6dnla29ll6nuearc7h&topic=112669.0
4	12018	113699	https://imgur.com/9TmH27l
5	12019	113699	https://imgur.com/N7tWUrs
6	12020	113699	https://i.imgur.com/SJUVKA4.png
7	12021	113699	https://discord.com/invite/j7uXAapCba
8	12022	113699	https://www.instagram.com/fe_keebs/
9	12023	113699	https://clips.twitch.tv/EnjoyableGracefulWasabiSquadGoals-YoJ6yZLJ2P0xSxPQ

DISPLAY

Images display correctly on my website, all links are there and

[GB] FEETPAD | Hotswap macropad with waifu feet and OLED! (Invoicing)

Group Buy

Posted:2021-07-07

[GB] FEETPAD | Hotswap macropad with waifu feet and OLED! (Invoicing)

Group Buy

Posted: 2021-07-07

LINKS

- <https://forms.gle/PWTlclMGcRESc4uy6>
- <https://forms.gle/IAzUHCPp9DDfyodA>
- <https://geekhack.org/index.php?PHPSESSID=9seq538fsqc2i6dnla29ll6nuea>
- <https://imgur.com/9TmH27>
- <https://imgur.com/N7tWUs>
- <https://imgur.com/SJUVKA4.png>
- <https://discord.com/invite/j7uXApCba>
- https://www.instagram.com/fe_keebz/
- <https://clips.twitch.tv/EnjoyableGracefulWasabiSquadGoals-YoJ6yZLJ2P0xPQ>

Thread Info

[GB] FEETPAD | Hotswap macropad with waifu feet and OLED! (Invoicing)

Group Buy

Posted: 2021-07-07

LINKS

- <https://forms.gle/PWTlclMGcRESc4uy6>
- <https://forms.gle/IAzUHCPp9DDfyodA>
- <https://geekhack.org/index.php?PHPSESSID=9seq538fsqc2i6dnla29ll6nuea>
- <https://imgur.com/9TmH27>
- <https://imgur.com/N7tWUs>
- <https://imgur.com/SJUVKA4.png>
- <https://discord.com/invite/j7uXApCba>
- https://www.instagram.com/fe_keebz/
- <https://clips.twitch.tv/EnjoyableGracefulWasabiSquadGoals-YoJ6yZLJ2P0xPQ>

[GB] GMK Higanbana | GB Date: July 9th to August 9th!

Group Buy

Posted:2021-07-07

[GB] GMK ART - July 9th to August 9th [All kits will be made!]

Group Buy

Posted:2021-07-05

[GB] DSA Berry Yogurt - Week 3 Update - ALL KIT MADE!

Group Buy

Posted:2021-07-05

Link that contains the geekhack link has the same topic id, therefore data is correctly displayed.

Testing

Testing routes

The home page button takes me to the app route for “/”

My[GB]Tracker

Home

Group Buys

Interest Checks



ⓘ 127.0.0.1:1111

Group buy button takes me to the “/groupbuy” route

My[GB]Tracker

Home

Group Buys

Interest Checks



ⓘ 127.0.0.1:1111/groupbuy

And interest check to the app route “/interestcheck”

My[GB]Tracker

Home

Group Buys

Interest Checks



Testing search bar

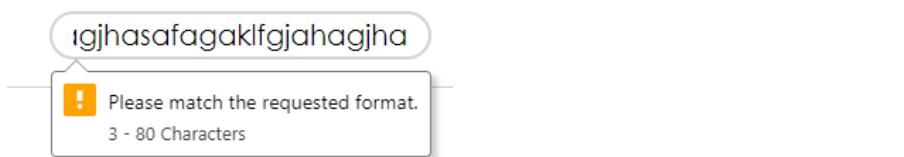
Testing when nothing is entered

 Please fill out this field.

When two characters are entered

 Please match the requested format.
3 - 80 Characters

When more than 80 characters are used (81 chars in screenshot and 80 because that's the max title length of a thread)



When three character word gmk is imputed results are returned with no format requirement errors.

My[GB]Tracker

Home Group Buys Interest Checks

gmk

204 result found

[C] GMK Oberon2ura Keycaps [12/4/2021 Update on Renders and KR] Interest Check Posted:2021-04-04

[C] GMK Trash Friends - Case & Novelty Kit Updates, All Vendors Announced! Interest Check Posted:2021-05-19

[C] GMK Washbuckle Interest Check Posted:2021-06-03

[C] GMK RGB Blanks Add-on Interest Check Posted:2021-04-13

NIGHTSHADE

[CLOSE] GMK Nightshade - Waiting for final numbers

Testing to see typing url bar would break it.

Typing the route for my popup into the url bar, Mr D broke this last time.

← → ⌛ ⌂ 127.0.0.1:1111/popup

My[GB]Tracker

Home Group Buys Interest Checks

Error 405
Method not allowed.
[Click Here](#) to go to the Home Page

Typing random characters

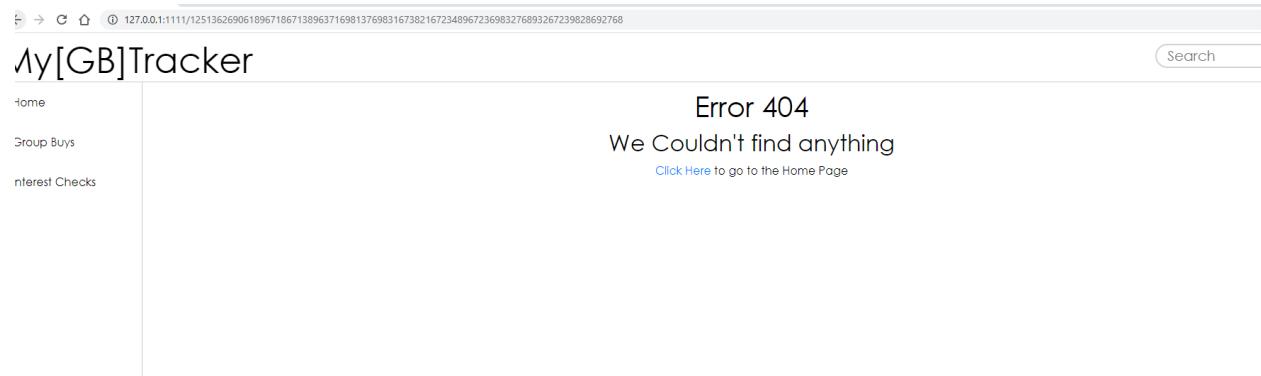
← → ⌛ ⌂ 127.0.0.1:1111/25151oi515iu13y53

My[GB]Tracker

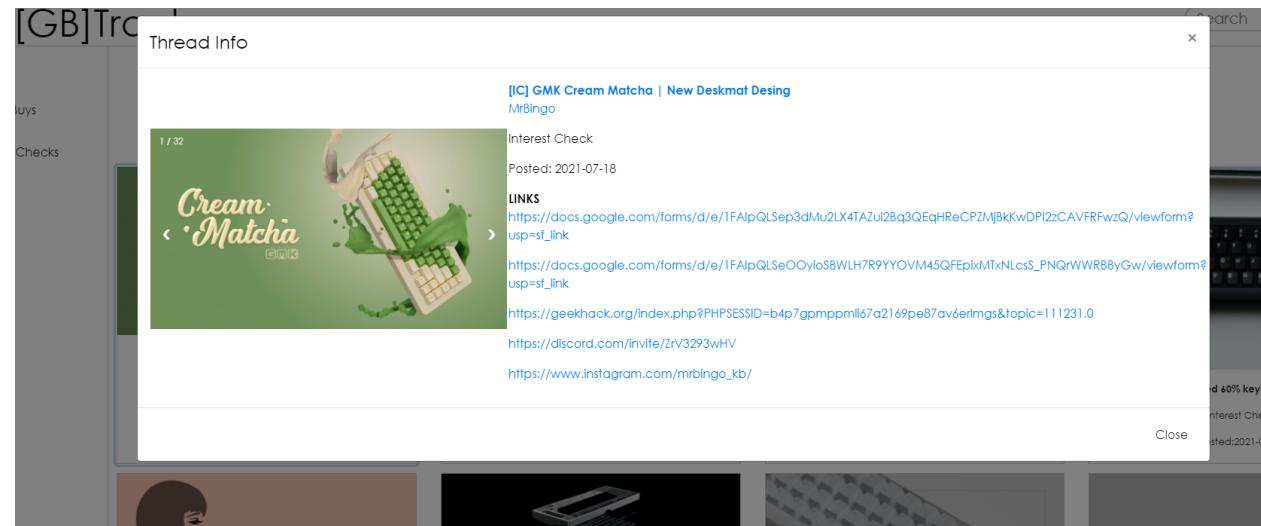
Home Group Buys Interest Checks

Error 404
We Couldn't find anything
[Click Here](#) to go to the Home Page

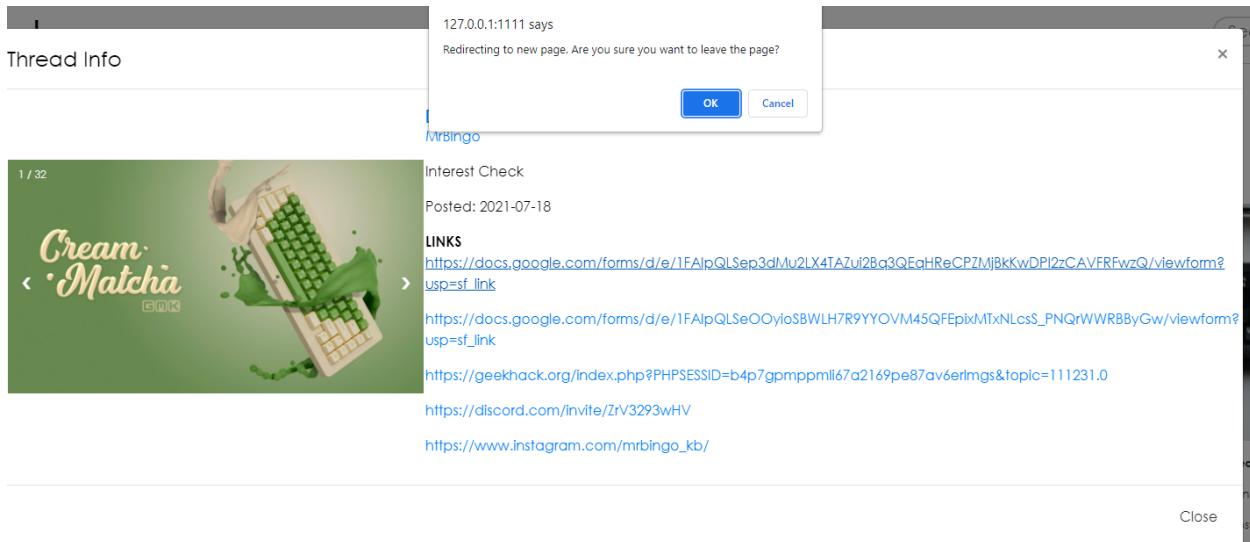
Typing in large numbers, some people had overflow error when they did this, mine works fine.



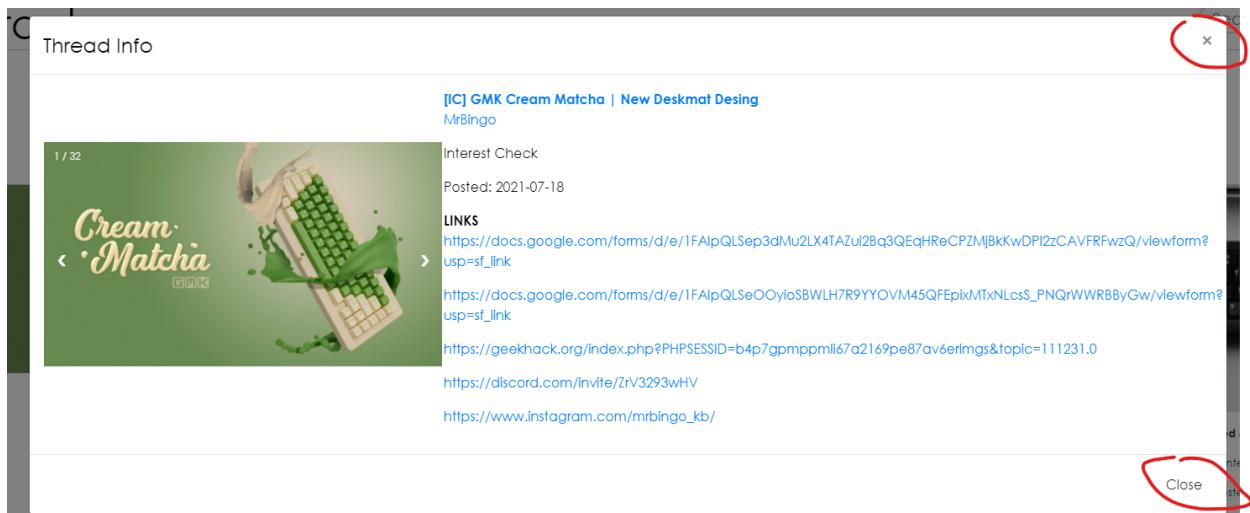
Testing modal popup works, all links work.



Testing js confirm before leaving my website.

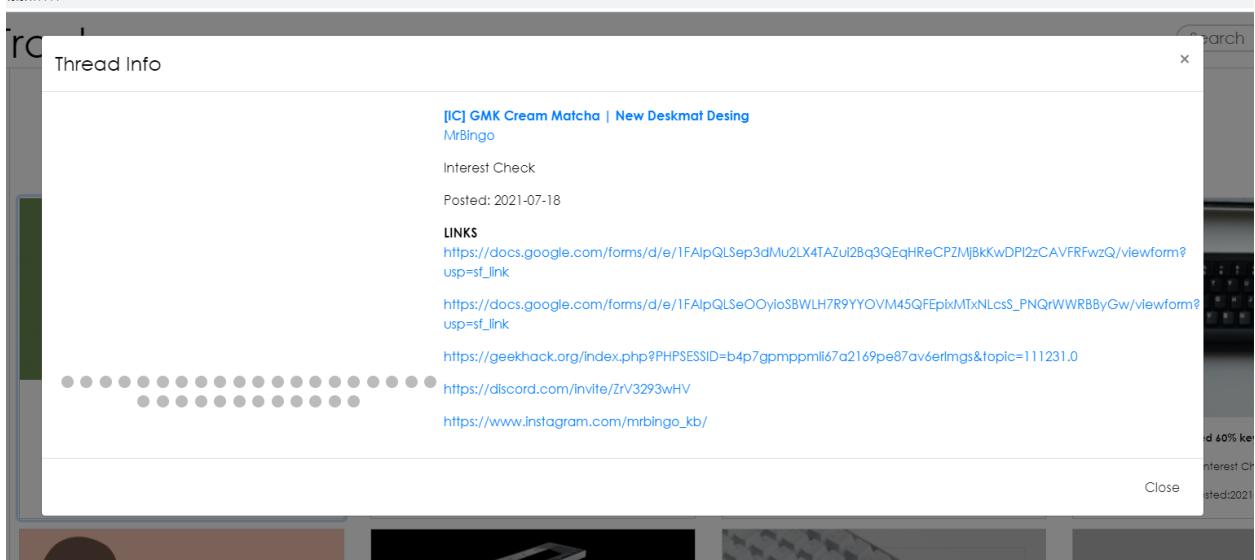


Testing closing the modal, using esc, x and close, all work.



Slideshow testing

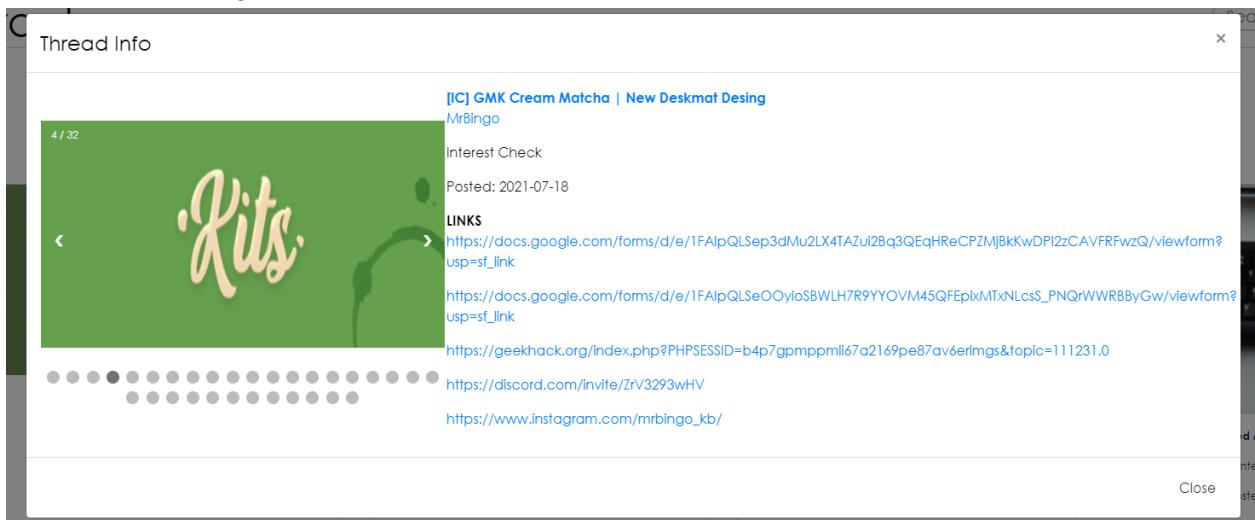
Slideshow does not load when clicked.



To fix it I just loaded the slideshow again once the person clicked on the modal.

If you went to another number on one slideshow in a modal the other slideshows would also change to slide on their respective slideshows,

Open modal change current slide.



Open another one without reloading the page. When open starts at 4.

Thread Info



[IC] ePBT Ping | Patch v1.1
Plopmk
Interest Check
Posted: 2021-07-18
LINKS
https://docs.google.com/forms/d/e/1FAIpQLSdprJh4RKhMHzYof1a-Xh4n5vdqeOvdIEdZC454z54AI-4eSQ/viewform?usp=sf_link
<https://twitter.com/plopmk>
<https://discord.gg/JHtzeqAybe>

Close

Posted: 2021-07-18

[IC] Mochi Keycaps Interest Check

[IC] o60-1 | 3d printed 40% key Interest Ch

Fix by making the currentslide variable 1 when you load the modal.

Testing forward button

Thread Info



[IC] GMK Cream Matcha | N
MrBingo
Interest Check
Posted: 2021-07-18
LINKS
▶ https://docs.google.com/fo...usp=sf_link
https://docs.google.com/fo...usp=sf_link
<https://geekhack.org/index.html>
<https://discord.com/invite/Zi...>
<https://www.instagram.com/>

Backward button.



[IC] GMK C

MrBingo

Interest Che

Posted: 202

LINKS

https://docuspaste.com/sf_link

https://docuspaste.com/sf_link

<https://geekkeyboards.com>

[https://discor](https://discord.com/channels/803111111111111111/803111111111111111/803111111111111111)

[https://www.reddi](https://www.reddit.com/r/gmk/comments/1000000000000000000/)

Dots on the below the images.

I thread into



[IC]

MrB

Inte

Post

LINK

http://docuspaste.com/sf_link

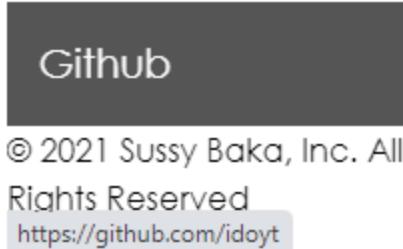
http://docuspaste.com/sf_link

http://docuspaste.com/sf_link

http://docuspaste.com/sf_link

http://docuspaste.com/sf_link

Footer Link testing



Take me to my github.

Website changes due to testing.

Asked Michael if he could see the text on screen. He can't see very well so he was the perfect choice to see if my text was too small. He had to move quite close to the screen to see it so I raised the font size from 11 - 13px.

Matthew - "increase padding below the header as it pretty close to the border"

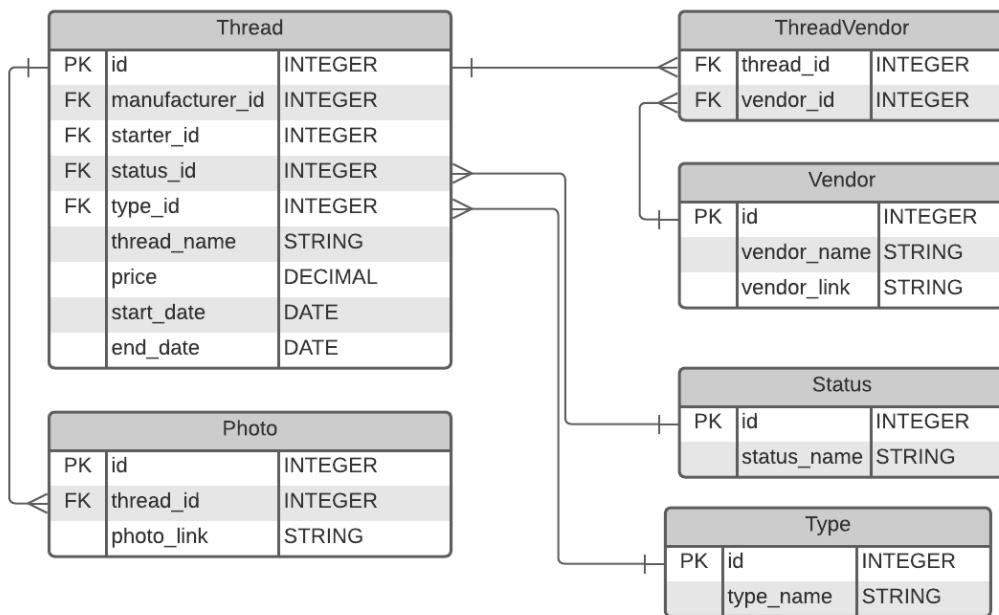
My[GB]Tracker

It is practically touching the border so I increased the height of the header.

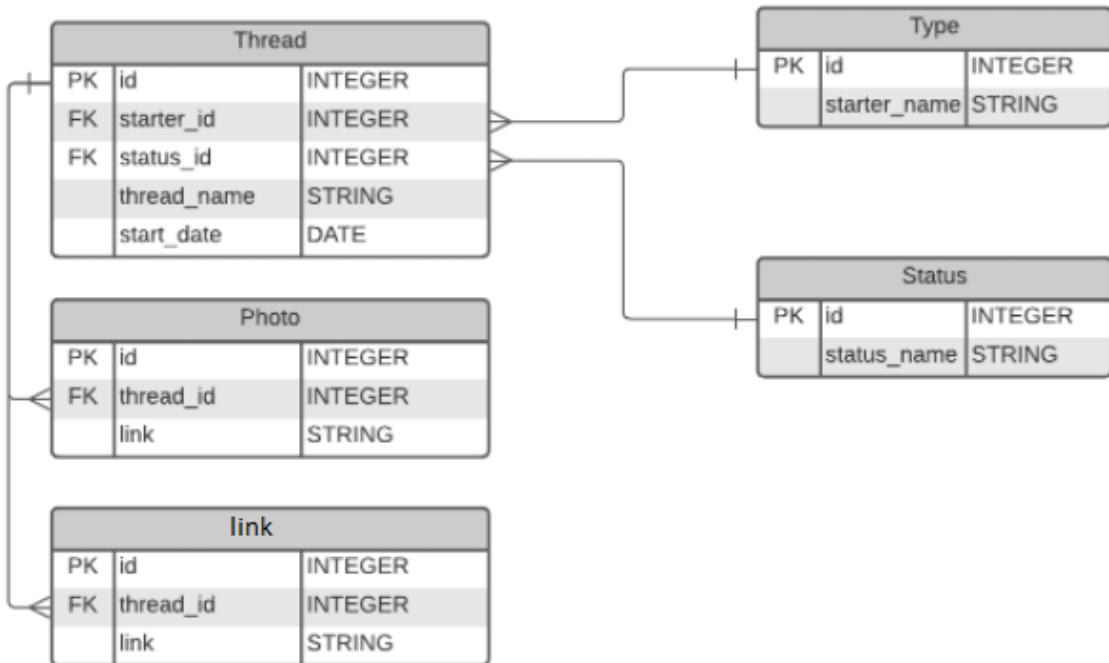
My[GB]Tracker

Database changes due to testing.

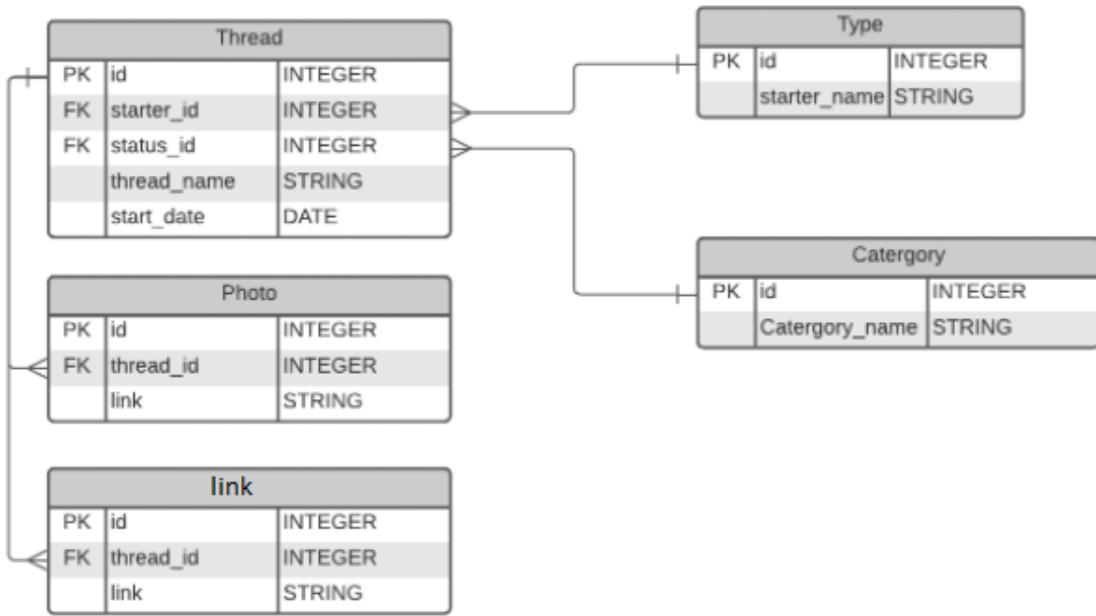
Wasn't able to effectively gather data as thread layout was inconsistent and varied between each user.



Removed manufacturer as it would be impossible to consistently get the manufacturer and only really applies to keycaps and switches but not actual custom boards so it wouldn't really work without manually going through each one.



Removed type and vendors as it is too complex would have to get a list of all vendors (no reliable source) and compare them with the links gathered from the thread to separate them into vendor links and normal links, so just combined them into one added links, I can consistently get accurate data for these tables.



Changed to category because better name for it status usually refers to when something is open or closed in a forum can confuse people.

Relevant Implications

Database Relevant Implications

Intellectual property - is a category of property which includes intangible creations, copyrights, trademarks, patents, etc. Other people will not be able to use your intellectual property unless given explicit permission by the creator. On my site the images that I have are from imgur. Stated in imgur's TOS "you may use UGC for personal, non-commercial purposes." as I am not using the images for e-commerce purposes, I can therefore use these images for my purposes.

USE OF IMGUR CONTENT

By downloading an image or copying other user-generated content (UGC) from Imgur, you agree that you do not claim any rights to it. The following conditions apply:

- You may use UGC for personal, non-commercial purposes.

As for the text that I'm scraping on the thread, it all comes under fair use as I'm not infringing on their patent, or counterfeiting their trademarks/copyrights, and it is most definitely not a trade secret if they post it on a forum. So I am free to copy the text from these websites and redisplay it on mine.

Sustainability and Future Proofing - refers to whether the database is designed so that it will remain functional in the future. In this case, my database is designed so that it can adapt to changes in my project. My database has different tables for categories, threads, photos, links, and starters. By organizing data into a related table; we eliminate redundancy and increase the integrity which improves performance of the query.

Web relevant implications

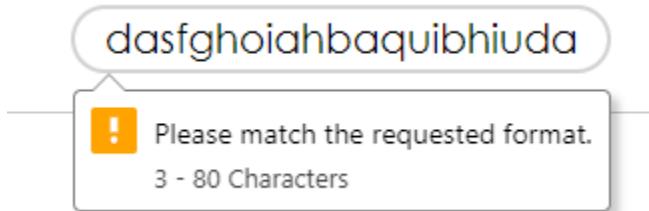
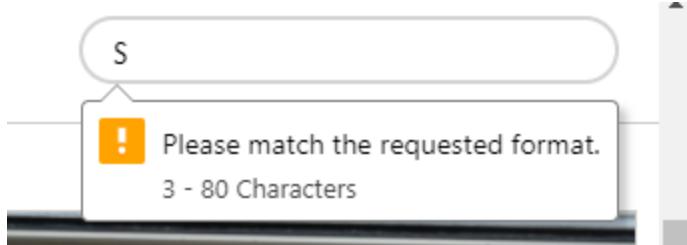
Aesthetics - refers to how the website looks to the user. It may include things like layout, colour scheme and fonts. Maintaining good aesthetics is important because it can create good impressions for the user and increase the effectiveness of the website. My website addresses this by using minimalistic and simplistic colours and fonts that are easy for the user to read. It also uses a logical layout and attracts the user's attention to the more crucial information in the center while leaving the not so crucial information such as navigation and searching stuff, on the sides. The navigation bar on the side, main content next to it, header at the top and footer at the bottom makes it easy for the user to navigate through the pages with colours and fonts that are easy to read from.

Usability - refers to the user's experience involving consistency, error prevention and efficiency. Having a usable website is important as keeping things consistent and preventing errors is key to keeping a good user's experience. My website addresses this by having features to prevent errors e.g when a user does not properly fill out a field in my search bar, a notice will come up warning them that what they have put in is not suitable, this prevents an error from occurring. I have also kept my website consistent, whenever you hover over something clickable, it will make the background darker showing that it's a link to a new page.

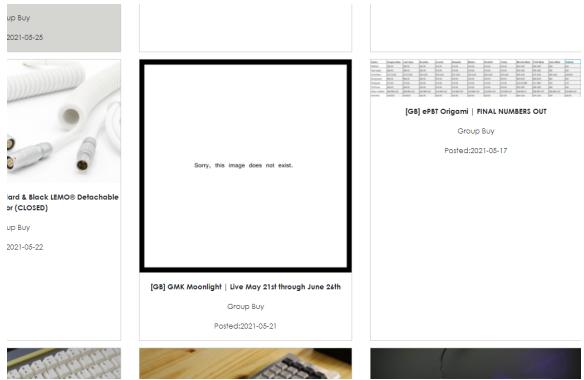
Relevant conventions

Usability Heuristics

Help users recognize, diagnose, and recover from errors - I have warnings put in place to warn users when input by the user does not reach the requirements. E.g when a user enters something with less than 3 characters or someone over 80, it will display a message asking for at least 3 characters and for less than 80 characters.

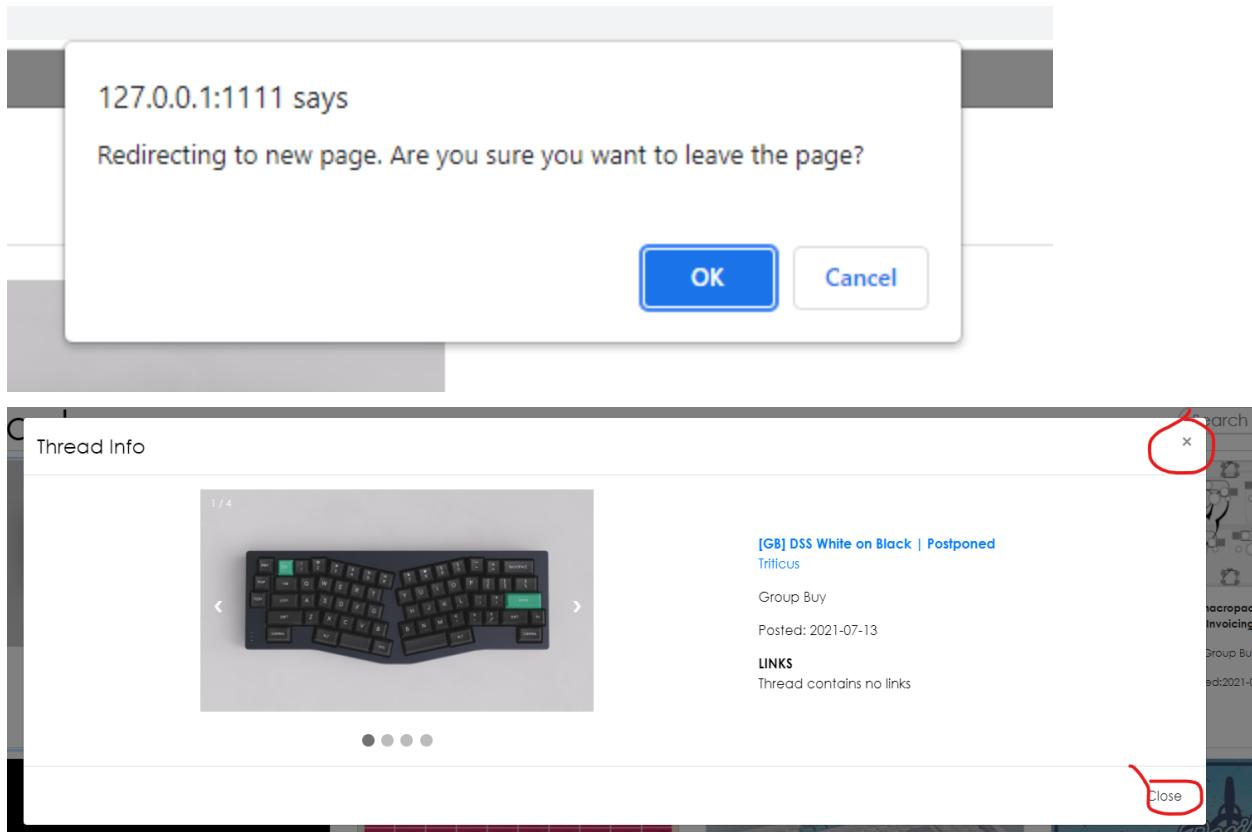


Default image when images failed to load



Match between system and the real world - The design of my website should be familiar with users that have an interest in keyboards as most websites that document keyboard groupbuys use the same format, the colour scheme and fonts are similar to the real game and should not confuse any users. All the pictures match the ones from the thread and appeal to new and experienced users.

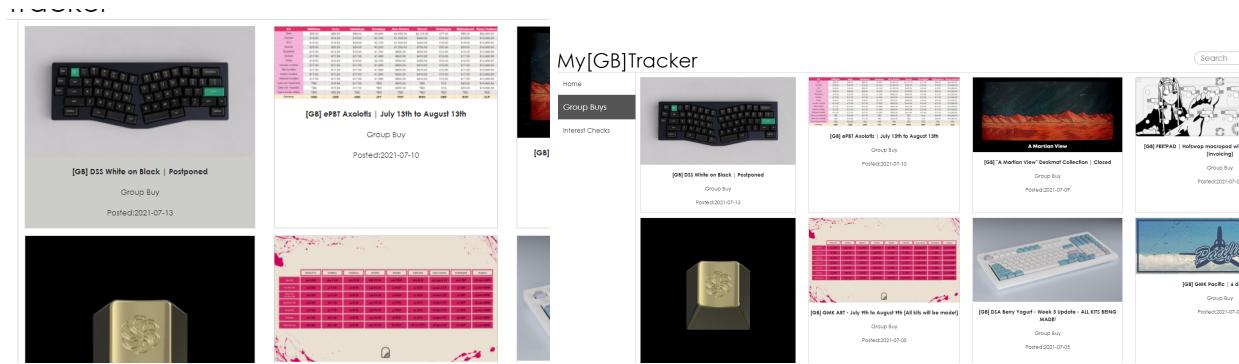
User control and freedom - have easy to access exits when pop ups show up, so the user doesn't feel trapped and feels like that they are in control. My website does this by having easy and clear exits



Consistency and standards - making sure that the user should not have to wonder what each thing does, and force them to learn something new. When the user hovers over the thread the

Visibility of system status - the design should keep the user informed when something is happening. In my website this is addressed when a user hovers over a link to a new page or a item on the main part of the page, the item is then greyed out and the user knows that something might happen if they click on it.

My[GB]Tracker



HTML CSS design convention

Elements are arranged logically on my page

My[GB]Tracker

The screenshot shows a refined version of the website. The left sidebar includes links for Home, Group Buys, Interest Checks, and a GitHub link. The main content area features a grid of cards for various keyboard projects, each with a thumbnail, title, description, and posting date. The overall design is cleaner and more user-friendly.

Iterative Improvement

-o- Commits on May 10, 2021

boilerplate!!!		idoyt committed on May 11	Verified		11e7570	
Create readme.md		idoyt committed on May 11	Verified		8a4881b	

On May 11, 2021 I did my first initial commit and created my boilerplate, which was copied from the work we did in repl.it when we were taught how to use flask and see if those things worked, templates for basic website accessibility and content. First iteration of my webscraper.

-o- Commits on May 12, 2021

nav and header stuff		idoyt committed on May 12		72884b5	
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On May 12, 2021 removed route for about and the page with an input parameter, not needed in my design. Edited the css and added urls for the nav bar just the link for the home page at the moment.

-o Commits on May 17, 2021

cards to hold the gbs and a container to hold the cards
idoyt committed on May 17

 c9b864c 

On May 17, 2021 I added links to libraries jquery and bootstrap and bootstrap css framework so I could make use of bootstrap cards to display my thread information. I tested it and it was too big and I wasn't able to make it smaller and didn't meet my requirements for a container for my threads as seen in those designs above.

-o Commits on May 18, 2021

group container stuff
idoyt committed on May 18

 fec9a9a 

Resize the bootstrap card and make a container to put it in so put them in a grid like in my plan.

-o Commits on May 20, 2021

rename stuff, added the do query fuction, trying to get wrapper work.
idoyt committed on May 21

 557d1ec 

On May 20, 2021 created my own do_query function so I wouldn't have to repeat code every time I wanted to get data from my database. Working on resizing the wrapper for the cards so it doesn't overlap with the header and the sidebar.

-o Commits on May 23, 2021

trying to get this flask stuff to work and some css stuff
idoyt committed on May 24

 14c9cbd 

On May 23, 2021 checking if the do query works for my desired outcome seeing if it will throw any errors at me, I can't test it as of now because I have not created my database, and doing some general styling of the header and sidebar, added a grid container and used temporary divs to check if they were working as intended. Removed the card.

-o Commits on May 24, 2021

Merge branch 'main' of https://github.com/idoyt/mygtracker into main
idoyt committed on May 25

 3872a06 

database stuff!!
idoyt committed on May 24

 5b045d0 

-o Commits on May 24, 2021

still trying to get this database stuff to work.
idoyt committed on May 25

 fd8c738 

On May 24, 2021 created my database as seen in my first ERD and added some dummy data to test my queries from my plan.

The screenshot shows the SQLite Database Browser interface with a database named "mygdatabase". The left sidebar lists the tables: Photo, Status, Thread, ThreadVendor, Type, and Vendor. The "Thread" table is currently selected. Below the sidebar, there are six separate windows, each representing one of the tables and showing its structure:

- Photo:** Structure window showing columns: id (INTEGER, Primary Key), thread_id (INTEGER, Foreign Key), photo_link (STRING).
- Status:** Structure window showing columns: id (INTEGER, Primary Key), status_name (STRING).
- Thread:** Structure window showing columns: id (INTEGER, Primary Key), status_id (INTEGER, Foreign Key), type_id (INTEGER, Foreign Key), thread_name (STRING), price (DECIMAL), start_date (DATE), end_date (DATE).
- ThreadVendor:** Structure window showing columns: thread_id (INTEGER, Foreign Key), vendor_id (INTEGER, Foreign Key).
- Type:** Structure window showing columns: id (INTEGER, Primary Key), type_name (STRING).
- Vendor:** Structure window showing columns: id (INTEGER, Primary Key), vendor_name (STRING), vendor_link (STRING).

This would be the first iteration of my project, the webpage has nothing on it at this point in time.

The screenshot shows the GitHub commit history for the repository "mygtracker" on May 25, 2021:

- Commits on May 25, 2021:
 - got the flask stuff to work, deleted the footer because it was broke
idoyt committed on May 25
 - Merge branch 'main' of https://github.com/idoyt/mygtracker into main
idoyt committed on May 25
 - edited layout.html
idoyt committed on May 25

On May 25, 2021 I decided to start working on the queries that would interface with my database and get data from my database to display onto my website.

The screenshot shows a list of GitHub commits. It includes commits from Jun 7, 2021, Jun 3, 2021, Jun 1, 2021, and May 26, 2021. Each commit has a message, a timestamp, and a copy icon.

- o Commits on Jun 7, 2021
 - added pictures
idoyt committed on Jun 8
 - modal stuff semi working, removed footer as it is not needed.
idoyt committed on Jun 7
- o Commits on Jun 3, 2021
 - edited the and route and html css to try and get the modals to work
idoyt committed on Jun 4
- o Commits on Jun 1, 2021
 - modals stuff
idoyt committed on Jun 1
- o Commits on May 26, 2021
 - editing the flask stuff and getting ready to do modals
idoyt committed on May 26

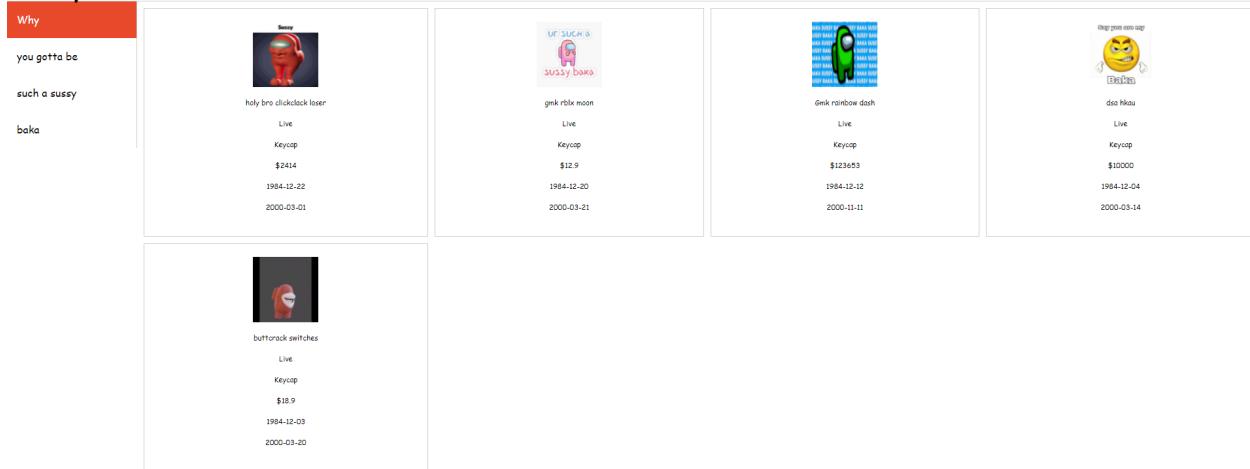
From May 26, 2021 to Jun 7, 2021 I worked on getting the modal popup to work with some dummy data.

The screenshot shows a list of GitHub commits. It includes commits from Jun 23, 2021, Jun 21, 2021, Jun 20, 2021, Jun 16, 2021, Jun 10, 2021, and Jun 9, 2021. Each commit has a message, a timestamp, and a copy icon.

- o Commits on Jun 23, 2021
 - working on search again.
idoyt committed on Jun 23
- o Commits on Jun 21, 2021
 - working on the nav bar, search bar was too hard
idoyt committed on Jun 22
- o Commits on Jun 20, 2021
 - trying to get search to work
idoyt committed on Jun 21
- o Commits on Jun 16, 2021
 - working on search form
idoyt committed on Jun 17
- o Commits on Jun 10, 2021
 - modal is working
idoyt committed on Jun 10
- o Commits on Jun 9, 2021
 - working on my webscraper.
idoyt committed on Jun 9

From Jun 9, 2021 to Jun 23, 2021 I started working on my web scraper, and my search bar, originally I wanted to do a dynamic search that would change the page as you typed things in but that was too difficult so I scrapped the idea and opted for a normal search form.

sussybaka inc



This would be the second iteration of my project.

- o- Commits on Jul 24, 2021
 - removed all the js stuff that didn't work and worked on webscraper.
idoyt committed on Jul 24
- o- Commits on Jul 8, 2021
 - search
kayven committed on Jul 8
- o- Commits on Jul 5, 2021
 - working on the search.
idoyt committed on Jul 6
- o- Commits on Jul 1, 2021
 - working on search.
idoyt committed on Jul 2

From Jul 1, 2021 to Jul 24, 2021 I started by using flask forms to make my search bar, and then I felt that this wasn't going anywhere and so I started getting the data.

-o- Commits on Jul 29, 2021
<ul style="list-style-type: none"> idoyt committed on Jul 30 WEBSCRAPER WORKY
<ul style="list-style-type: none"> idoyt committed on Jul 30
-o- Commits on Jul 28, 2021
<ul style="list-style-type: none"> data
<ul style="list-style-type: none"> idoyt committed on Jul 29
-o- Commits on Jul 27, 2021
<ul style="list-style-type: none"> getting data
<ul style="list-style-type: none"> idoyt committed on Jul 27
-o- Commits on Jul 26, 2021
<ul style="list-style-type: none"> working on getting data
<ul style="list-style-type: none"> idoyt committed on Jul 26

From Jul 26, 2021 to Jul 29, 2021 I started working on downloading data from geekhack. I started by getting easier things like the starter information and the title, things that will always be in that position. Then I started getting images and links, all the links were classed as `bbc_link` and images always have the `img` tag on this site so I just had to loop through the first thread and find all of the images. I didn't realise that users did not have to have a profile picture so the program errored, i just removed the profile picture because it wasn't really that crucial to the functionality of the website.

-o- Commits on Aug 1, 2021
<ul style="list-style-type: none"> fixing my website
<ul style="list-style-type: none"> idoyt committed on Aug 2
<ul style="list-style-type: none"> removing archive cause it's too hard.
<ul style="list-style-type: none"> idoyt committed on Aug 1
<ul style="list-style-type: none"> downloading all images from imgur.
<ul style="list-style-type: none"> idoyt committed on Aug 1
<ul style="list-style-type: none"> removing some data to make it a more manageable amount
<ul style="list-style-type: none"> idoyt committed on Aug 1
-o- Commits on Jul 31, 2021
<ul style="list-style-type: none"> just making my website worky and looky nicey again
<ul style="list-style-type: none"> idoyt committed on Jul 31
<ul style="list-style-type: none"> data
<ul style="list-style-type: none"> idoyt committed on Jul 31

From Jul 31, 2021 to Aug 1, 2021 . Originally I wanted to separate the threads into different categories, one for threads that are currently running and are purchasable as of this moment, ones that have since ended. The site has over 4000 threads on these two message boards so I decided to scrap that idea and shave it down to only this year as the group buys before this year and keep it in their original categories. And so now I'm left with 800ish results which is a lot more manageable than 4000.

The images from imgur would not display on my website as imgur does not allow hotlinking on sites other than threads, as part of their TOS, sites like reddit and geekhack can hotlink no problem but a website like mine will not work.

A screenshot of a GitHub repository's commit history. The commits are organized by date:

- Commits on Aug 5, 2021:**
 - footer (idoyt committed on Aug 5) - Commit ID: 97613e8
- Commits on Aug 4, 2021:**
 - styling (idoyt committed on Aug 4) - Commit ID: 18621fb
 - make error worky (idoyt committed on Aug 4) - Commit ID: d919348
 - home page wooooo!!! (idoyt committed on Aug 4) - Commit ID: d539e7d
 - search works (idoyt committed on Aug 4) - Commit ID: 0957d0e
- Commits on Aug 2, 2021:**
 - CSS (idoyt committed on Aug 3) - Commit ID: 874de4b
 - search and 404 (idoyt committed on Aug 3) - Commit ID: 4e2317e

From Aug 2, 2021 to Aug 5, 2021 I added a search and a 404 page for when the search returned no results and for when a url, mostly just error management during this time as I had implemented a new search bar which had no checks and could easily be manipulated to produce an undesirable result. And I also did some styling of this search bar to move it to the right corner of the screen as it is not crucial information but I would like it to stand out from the rest of the buttons other elements.

A screenshot of a GitHub repository's commit history. The commits are organized by date:

- Commits on Aug 11, 2021:**
 - slideshow (idoyt committed on Aug 12) - Commit ID: 3d16f88
 - getting picture slideshow to work (idoyt committed on Aug 12) - Commit ID: 936a238
- Commits on Aug 9, 2021:**
 - PHOTO SLIDE SHOW (idoyt committed on Aug 9) - Commit ID: e1c7b15

From Aug 9, 2021 to Aug 11, 2021 I added a javascript photo slideshow with thumbnails that you could click on after the main photo but some threads had something like 30 photos and once I had got it to work I realised that it wouldn't really look good in my final design.

-o- Commits on Aug 15, 2021
edited db idoyt committed on Aug 16 ✓
making sure the data displays properly. idoyt committed on Aug 16
updated some of the website stuff idoyt committed on Aug 16 ✓
-o- Commits on Aug 12, 2021
css idoyt committed on Aug 13 ✓

From Aug 12, 2021 to Aug 15, 2021 it was at this point where I started to alter the queries so they returned the data for things that were actually relevant and making sure that they were the same in the database mostly just altering the popup queries, queries on the main pages were working as intended.

-o- Commits on Aug 16, 2021
swapping src url for imgs idoyt committed on Aug 16
final image commit idoyt committed on Aug 16
added more images idoyt committed on Aug 16 ✗
added more pictures idoyt committed on Aug 16
added more pictures idoyt committed on Aug 16
added more pictures idoyt committed on Aug 16
added more pictures idoyt committed on Aug 16 ✗
added more pictures idoyt committed on Aug 16
added more pictures idoyt committed on Aug 16 ✗
added more pictures idoyt committed on Aug 16
adding more pictures idoyt committed on Aug 16 ✗
more pictures idoyt committed on Aug 16 ✓
EVEN FURTHER BEYOND imgs idoyt committed on Aug 16 ✓
rattatatataaaaa  imgs idoyt committed on Aug 16
added some pictures idoyt committed on Aug 16 ✓
added some pictures idoyt committed on Aug 16
added some more pictures idoyt committed on Aug 16 ✓
and some more pictures idoyt committed on Aug 16

On Aug 16, 2021 I pushed the images I downloaded from each thread onto github. I had to do it in multiple commits because github wouldn't allow me to do this. And I changed the queries to retrieve the id as I had saved them as the id of the image link.

Commits on Aug 17, 2021

if there are no images use default image
idoyt committed on Aug 17

[View commit](#) [f0dd7cc](#) [Compare](#)

On Aug 17, 2021 I added a default image so that when the image failed to load the user would see an image that said that the image could not be loaded.

up Buy
2021-05-25

Sorry, this image does not exist.

Card & Black LEMO® Detachable or (CLOSED)
up Buy
2021-05-22

[GB] GMK Moonlight | Live May 21st through June 26th
Group Buy
Posted:2021-05-21

[GB] ePBT Origami | FINAL NUMBERS OUT
Group Buy
Posted:2021-05-17

Commits on Sep 15, 2021

fixing some stuff.
idoyt committed on Sep 15

fixing some stuff.
idoyt committed on Sep 15

[View commit](#) [c5f25db](#) [Compare](#)

[View commit](#) [f98a063](#) [Compare](#)

On Sep 15, 2021 I edited some of the queries as they weren't showing the correct information and also fixed the search bar so that when nothing is entered it takes you to 404.

Commits on Sep 29, 2021
combining css files idoyt committed on Sep 29
Comments, and cleanup files idoyt committed on Sep 29

On Sep 29, 2021 I commented all my code, with basic comments about what things do etc and what each thing is in my html css and python files. When I was testing my slideshow I had a separate css file so I could better test the css, I combined it with my style.css as having a separate css file for a slideshow does not seem like good practice.

Commits on Oct 24, 2021
removing white space between threads idoyt committed 5 days ago
removed capitalization where un-needed idoyt committed 5 days ago
changed to pattern instead of minlength idoyt committed 5 days ago
styling cards idoyt committed 5 days ago
moved error handling to the jinja2 rather than the routes. idoyt committed 5 days ago
pep8, font changes, center 404, 405. idoyt committed 5 days ago
Merge branch 'main' of https://github.com/idoyt/mygbtracker into main idoyt committed 5 days ago

On Oct 24, 2021 I made changes to the project mostly styling, I was told to tone down the Comic Sans so I swapped the font out for Century Gothic, which are very thin letters. I used a pattern for my search bar because min length doesn't work until the form has been altered and when the user doesn't type anything it used to send them to the 404 page, which is bad HCI because the user has no idea what just happened, so I changed it. I also made sure that my code followed pep8 style guide so that if anyone wants to read my code it won't be as strenuous trying to follow it.

Commits on Oct 28, 2021
changing variable names idoyt committed 18 hours ago
Commits on Oct 25, 2021
changing variable names idoyt committed 3 days ago

Changing variable names so they meet pep8 style guide requirements.

Final Iteration of my Project.

My[GB]Tracker

Home

Group Buys

Interest Checks

Github

Search

[GB] DSS White on Black | Postponed
Group Buy
Posted: 2021-07-13

[GB] EPBT Axolotls | July 13th to August 13th
Group Buy
Posted: 2021-07-10

[GB] "A Martian View" Deskmat Collection | Closed
Group Buy
Posted: 2021-07-09

[GB] FEETPAD | Hotswap macropad with waifu feet and OLED! (Invoicing)
Group Buy
Posted: 2021-07-07

[GB] GMK ART - July 9th to August 9th [All kits will be made]
Group Buy
Posted: 2021-07-05

[GB] DSA Berry Yogurt - Week 3 Update - ALL KITS BEING MADE!
Group Buy
Posted: 2021-07-05

[GB] GMK Pacific | 6 days left!
Group Buy
Posted: 2021-07-05

Thread Info

1 / 4

[GB] DSS White on Black | Postponed
Triticus
Group Buy
Posted: 2021-07-13
LINKS
Thread contains no links

Close