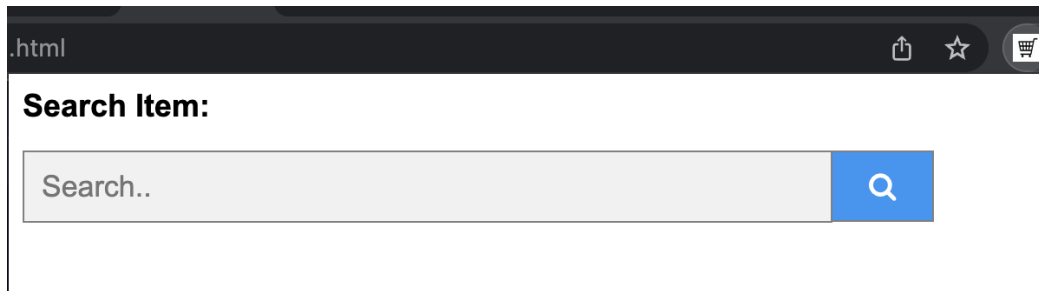


# Team GAASK Project Progress Report

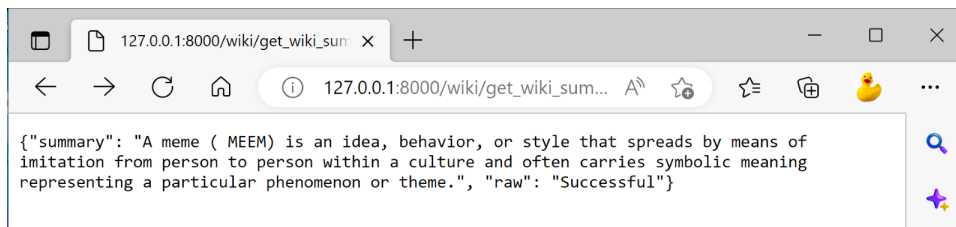
Angela Mei (amei5); Adrienne Caby (acaby2); Grant Yang (guoyong2);  
Kristie Wong (kw32); Sruthi Jaganathan (sruthij2)

Team GAASK has begun implementation of the Secondhand Item Search chrome extension. The team has split the initial tasks into five different components: implementing the chrome extension, setting up a django backend server, scraping ebay.com, scraping poshmark.com, and scraping shopgoodwill.com.

- Chrome extension created and running locally on the browser. Extension features include an extension icon and simple search bar features.



- Django Server setup and test REST API built



- Code set up to successfully query eBay for item title, description, price, and link

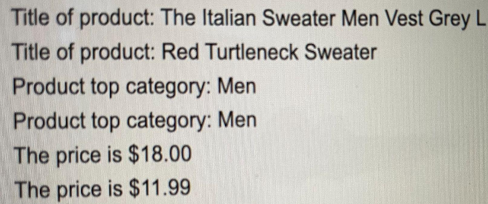
```
Search for: pikachu plush
Price $25.95
Title: Official Licensed Pokemon Pikachu Plush Stuffed Toy Kids Large 14" Authentic New
Desc: NEW Large 14" PIKACHU POKEMON SOFT PLUSH ANIMAL TOY YELLOW. LICENSED. . Condition is New. Shipped with USPS First Class Mail with Tracking.
Official and Authentic.
Link: https://www.ebay.com/itm/114268504445?hash=item1a9aef017d:g:GeUAAOSwMwhiH-5C&amdata=enc%3AAQAHA4P5UXFFQKCG01osxRWQmNwlaZ1yZV4kDrTfL2EkNMZE8Rck7x5whrTQr4hgEX87J26SSyv6Cd0Jc8tQ4n13AdEoL2hPIfnsyPuktMGJ1PIcbg94d0LIar%2F%2Fh%2FE73so0UapEsEoMG8CAXv0D7q1C99ZgxtGgXC6G%2BnuD%2Ff4MZsN5gvVPNI3MiE17PAPDIetYJzgxDu6bXGpue0PMZxwtXKLcNa56gzR7aPvxTog%2B33sw6ts%2BC01%2BKv1e1ESs24Gf%2FiIzoeASDoiudZyJEtUbXGgrIEI%2B0KAI0Z7MCqLbfe001%7Ctkp%3ABFBMy0Ho6Y1h
```

- Code set up to successfully query Poshmark for item title, price, image, and link

```
Title:
      Style & Co Petite Cuffed Jeggings

Price: $34
Item Link:http://www.poshmark.com/listing/Style-Co-Petite-Cuffed-Jeggings-6370b7b0e5b9cfad2af936d1
Item Image: https://di2ponv0v5otw.cloudfront.net/posts/2022/11/13/6370b7b0e5b9cfad2af936d1/s_6370b7b03b982a44fb7f37ad.jpeg
```

- Code set up to successfully query Goodwill for item title, price, and description/category



Title of product: The Italian Sweater Men Vest Grey L  
Title of product: Red Turtleneck Sweater  
Product top category: Men  
Product top category: Men  
The price is \$18.00  
The price is \$11.99

For next steps, the team's main focus will be to combine these individual components into a functioning end-to-end application. The team will utilize a REST API to communicate between the Chrome extension and Django backend server by setting up a cross-origin connection. Furthermore, we will need to combine the various scrapers for the three marketplaces and implement an appropriate ranking function to the retrieved results. Lastly, we will need to design the UI layout of our extension to display the output in an aesthetic and intuitive manner.

The main challenge the team has encountered so far has been the initial learning curve of learning new languages and technologies. The team members do not have previous experience with implementing chrome extensions, javascript to python connectivity, and python scraping. Therefore, it has taken a period of time to research these topics and figure out the best approach to developing our solution. We have made solid progress and will continue to work towards our final product.