Lavender Dangerous
weBulk
Fall 2017

Overview

weBulk is an application designed to provide users with bulk pricing discounts without the need to buy in large quantities. It works by coordinating purchase requests across many different users so that bulk pricing is achieved and then divides the total cost across the pool of buyers depending on their requested amount of product. Our web application allows users to save money by taking advantage of discounts that wouldn't otherwise be realistically available to them.

Team Members

Alex Willinder: awillinder@umass.edu   Thomas Palaschak: tpalaschak@umass.edu
Nishant Nawathe: nnawathe@umass.edu   William Warner: wwarner@umass.edu
Jake Celentano: jcelentano@umass.eduAjibola Famuyibo: afamuyibo@umass.edu

Github Repository

https://github.com/nnawathe/Lavender-Dangerous

User Interface

Home Page (featured products): This is the page that users see first. It contains an image carousel of some of our featured/most popular products.
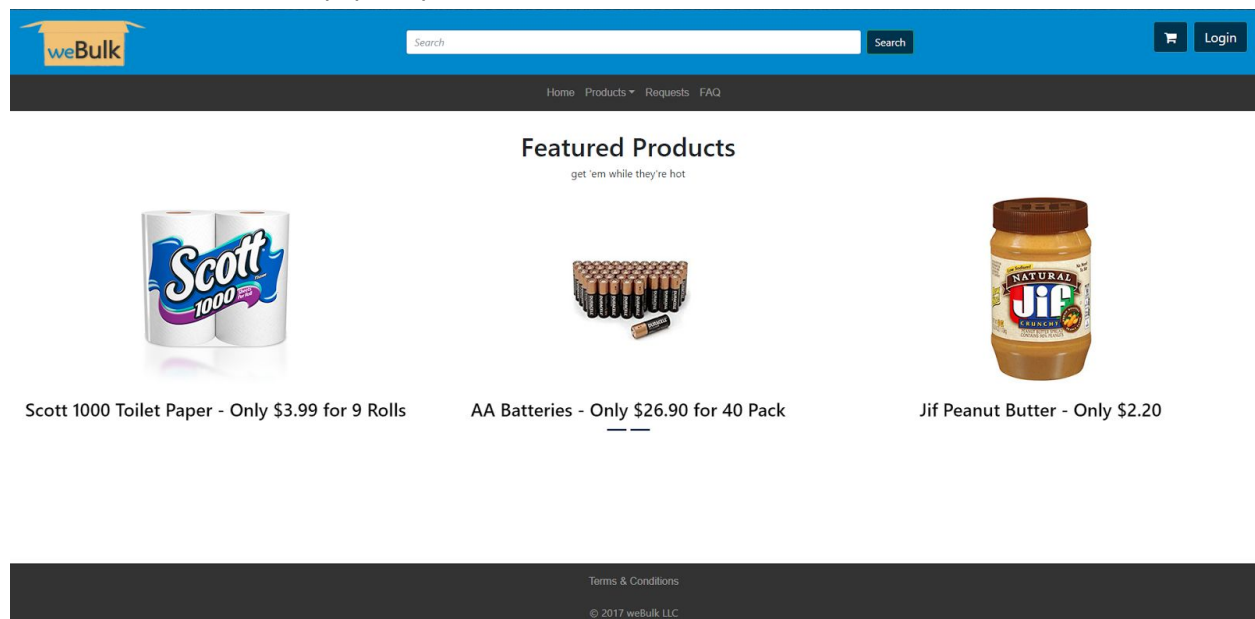
Log In Page: This one is pretty self-explanatory.

Products Page: This is a full list of all of our products. Using the search bar at the top of the page, or the category filters on the left side of the page, users can see a filtered list of all the products.

FAQ Page: A list of frequently asked questions about our app.

FAQs

Q: What is weBulk?

A: weBulk is the new affordable way to purchase common household items at unprecedented discounts

Q: How are the prices so low?

A: weBulk users enter purchase pools to buy a product, buying items in bulk allows us to make significant savings over store retail prices!

Q: Is weBulk legal?

A: Absolutley!

Q: What if I change my mind on an order?

A: Each user is given a fixed time window to pull out of a purchase without penalty, after this time expires, a strike will be applied for late withdrawals

Q: What happens when I get a strike on my account?

A: Users with strikes on their account will forfeit a proportion of savings on their orders until the penalty expires

Q: How do I start buying on weBulk

A: Simply create an account, add a valid payment method to your account, then begin searching for items to purchase in the search bar or front page!

Q: I wanted to buy an item but it isn't a listed product, what do I do?

A: weBulk is constantly expanding our product offerings, submit an item request through the request page, or check back in the near future for product updates!

Q: How do I trust the other people to follow through with bulk order purchases?

A: weBulk handles all the purchasing logistics, so you don't have to! Simply confirm your order, and we will make sure your items are delivered to you at the price you purchased it!

Terms & Conditions

Terms & Conditions Page: There is only one rule of weBulk.

weBulk's Terms and Conditions:

Don't do anything shady using our website.

Terms & Conditions
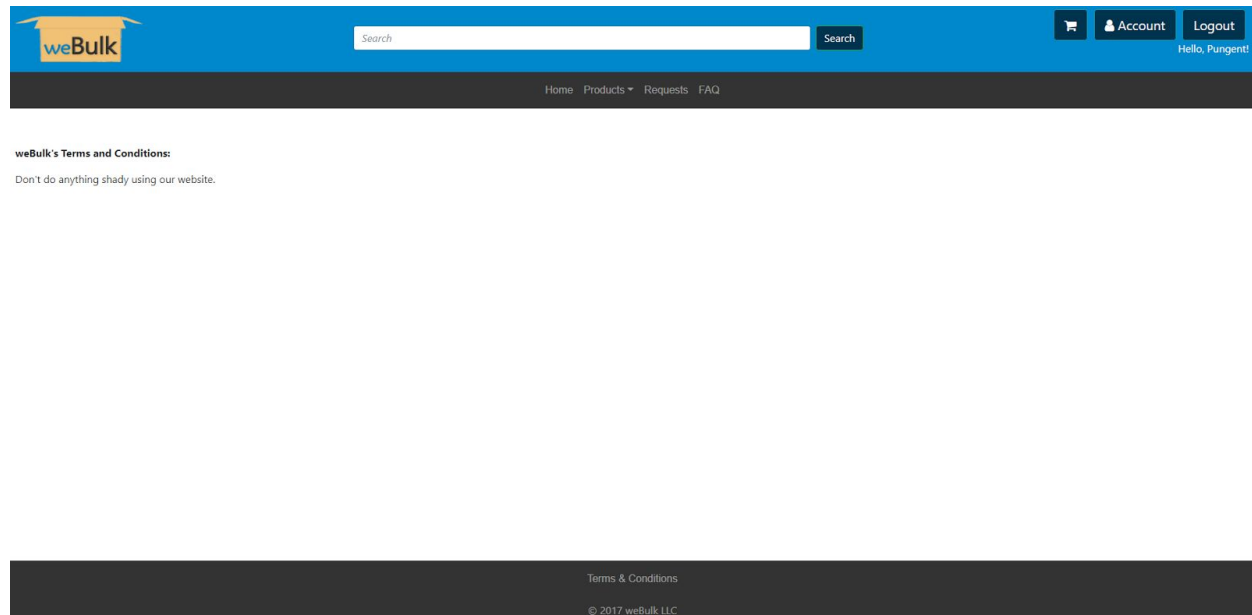
Requests Page: This is the page where users can create requests for items they would like to see on the site. They can also see a list of existing requests below, and have the ability to upvote them. This allows us to offer more items that are in high demand.

Individual Product Page(s): This is one example of a page for a specific product. It includes the name of the product, a description, and its price, as well as any reviews of the product. The user can select how many orders of the product they would like to add to their cart. They can also write their own reviews here.
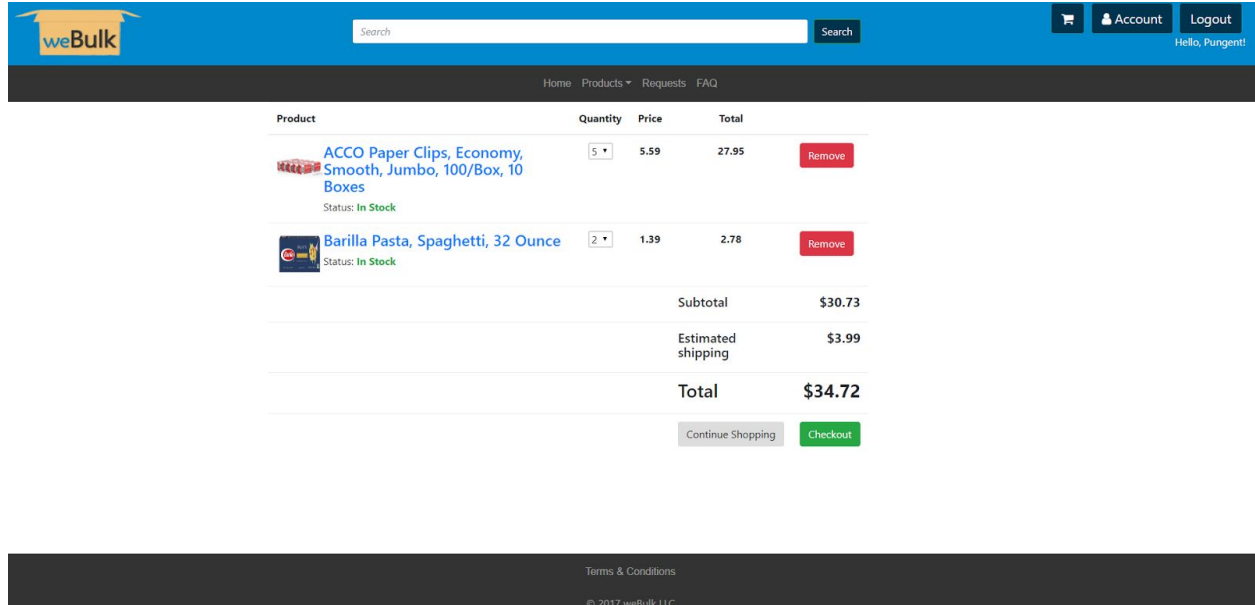
Cart Page: This is where the user can checkout, and manipulate all the items in their cart. It also calculates the total price after after shipping.

User/Account Page: Here the user can see a list of their requests with each request's respective number of votes, as well as a compacted view of their shopping cart.

Data Model
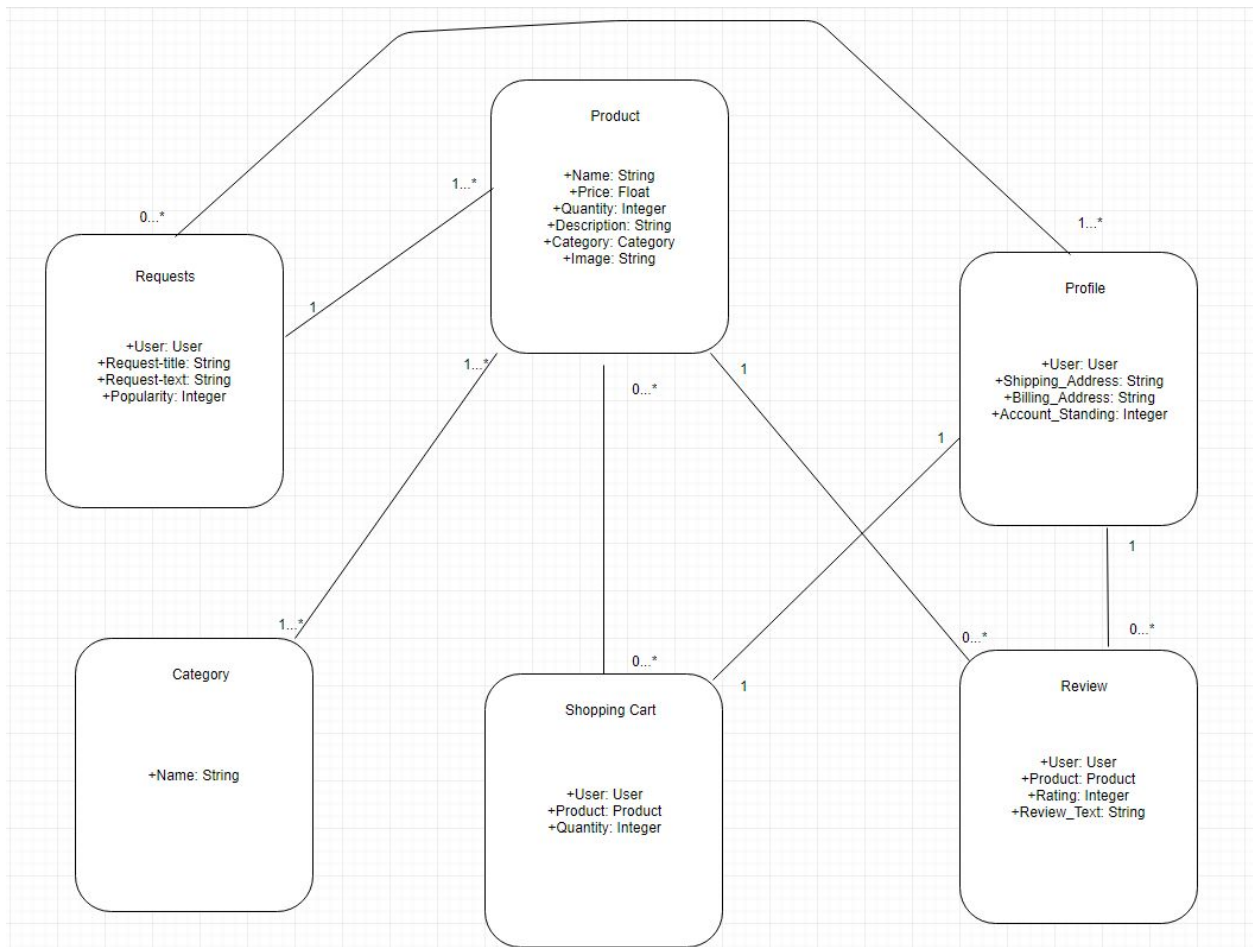
URL Routes/Mappings

URL	Description	Permissions
http://127.0.0.1:8000/catalog/user	User page. Contains list of user's request, and a mini version of the user's cart.	Need to be logged in (any user)
http://127.0.0.1:8000/catalog/	Home page. Image gallery of featured/popular products.	None
http://127.0.0.1:8000/catalog/products/	List of all products. Can be filtered through search and/or category filters.	None

http://127.0.0.1:8000/catalog/faq	List of frequently asked questions.	None
http://127.0.0.1:8000/catalog/requests	User can create a request for a new product. Also can look at a list of previous requests, and upvote them.	None (need to be logged in as any user to create a request)
http://127.0.0.1:8000/catalog/terms	A list of our one and only policy.	None
http://127.0.0.1:8000/catalog/cart	A detailed view of the user's shopping cart. Can change quantities, see subtotals and total, and can checkout.	Need to be logged in as any user (can reach the page without being logged in, but it tells you to log in in this case)
http://127.0.0.1:8000/accounts/login/?next=/catalog/	The log in page.	Can only be accessed when not logged in
http://127.0.0.1:8000/catalog/product/15 (or any number corresponding to each of the products)	Individual product page(s). Name, description, and price of respective product. Can write a review of the product, and look at past reviews of it.	None (need to be logged in as any user to write a review)

Authentication/Authorization

Users of our web application are authenticated through a username/password system. If a user is not logged in and attempts to access the account or cart page, they will receive a display stating that they must be logged in to a valid account in order to access these pages. Login and logout pages exist in catalog/templates/registration, and users can access the login page using a button on the right of the header. Certain aspects of the application, such as writing reviews and making requests, can only be performed if the user is logged into a valid weBulk account. Other than the superuser used for administration purposes, no particular user receives any special permissions that other users do not have. Lastly, users can reset their password using a reset form template found in catalog/templates/registration.

Team Choice

Our team choice component was a working search. This allows users to search through all of the products in our app to more easily find what they are looking for. This is valuable for our web application because it saves the users the trouble of searching through every product in our database to find what they want. It searches through the product names and filters out products that do not fit the search.

Conclusion

Overall we had a very positive experience working on this project. It was very fruitful in learning how to create a web app for those of us who had never made any before, and solidifying for those of us

who had. Perhaps our greatest challenge in working on the project was coordinating / delegating tasks. We all had different schedules and work habits, which resulted in the workload becoming rather lopsided. Some people were on top of their tasks, while others worked very last minute. This also lead to a distinct lack of delegation of tasks among our group, and some confusion as to who completed what. Despite this issue, we all felt that everyone made very notable contributions, and never felt as if our group was performing poorly — we were always in a good place, and never more than only mildly stressed. Another minor issue we encountered was with Github, as several members had various issues either pulling or pushing, with the occasional merge conflict.