

# TEAM - TEEMO

## Clothing Part Picker

<https://github.com/namanshenoy/326Project>

### Team Overview

Team Member Name	Github Usernames
Brandon Conti	<a href="#">conti96</a>
Corey Campbell	<a href="#">huglyfe</a>
Corey Collins	<a href="#">Corey-Collins</a>
James Hubert	<a href="#">JamesHubert</a>
Naman Shenoy	<a href="#">namanshenoy</a>

### Overview

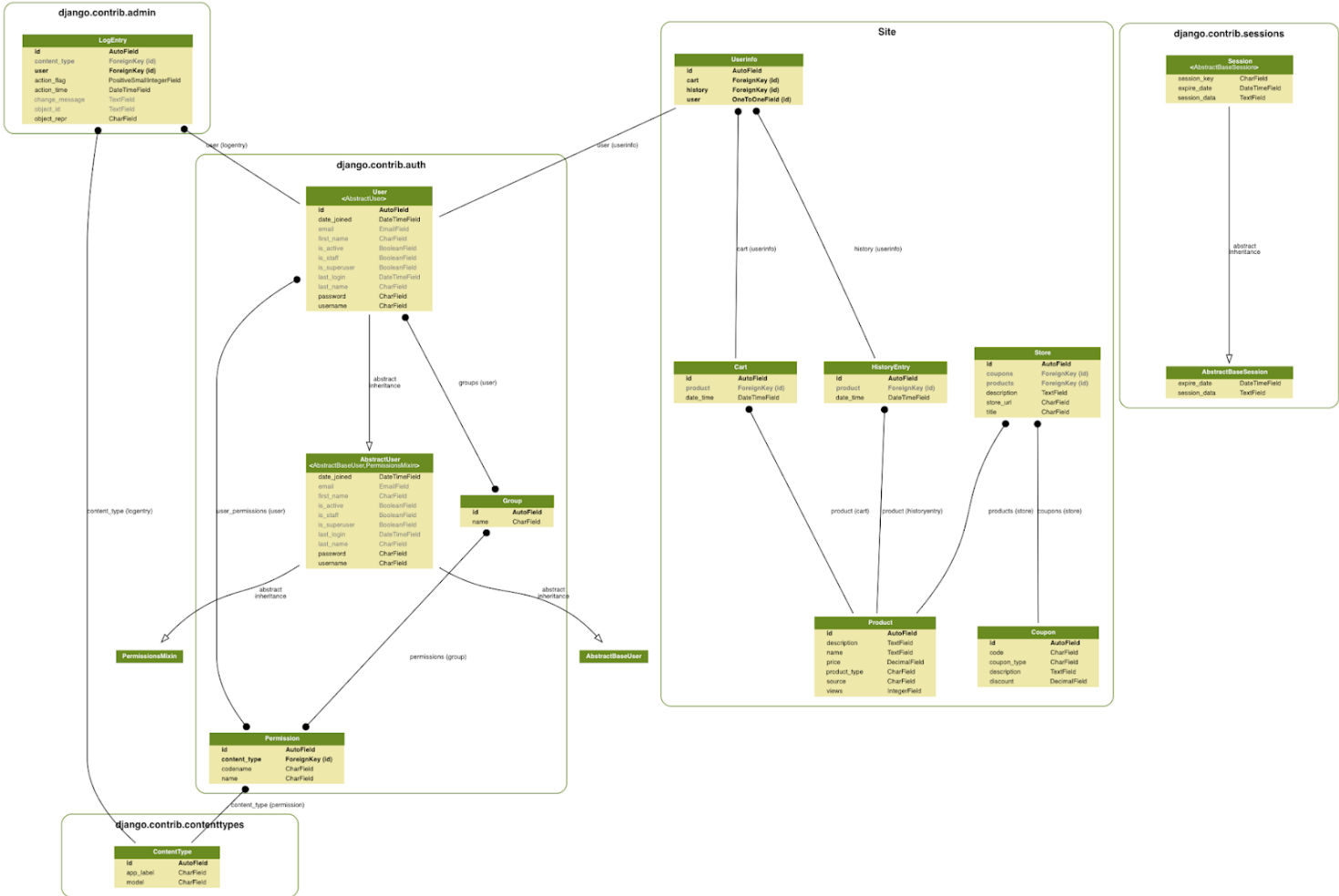
Our application will help users choose clothing items and outfits for the best prices possible by aggregating different stores. The site will make money through the referral links when a user buys a piece of clothing. This allows clothing part picker to be brand and site neutral, giving the site an incentive to give the user the best deal and outfit possible. This site will use APIs from CJ Affiliates in order to retrieve clothing data. The user can then search through the listings and add them to a cart which saves them to the database. The user can then search through their history and cart and find the best store to buy those items.

### Design

In order to function, our website requires data about the stores whose products we promote; the products that those stores sell (one to many for stores); coupons from the same sites (one to many for stores); user profile data, history (many 2 many for user profiles), and cart data (many 2 many for user profiles). The products are obtained from CJ Affiliates and the coupons are scraped from the web. All other data is user created or hard coded for the site. Attached on the next page is ERD that was provided by Django. The important links within the site are the landing page, the search page, the item detail page, the coupon page, and the user page. Our web framework passes through the Django template engine, passes minimal data with context framework. Dynamic data is handled through a Django REST Framework and AJAX requests with axios.

### Problems/Successes

The first problem we ran into was scheduling. It was difficult to find a time where everyone could meet up for an extended period to avoid starts and stops. However, we were able to find a time and make it work due to early planning by all members of the team. Setting up a unified environment across everyone's devices was the last major problem that we ran into. Everyone had unique devices with unique environments which made installation and setup of environments difficult. This was resolved by everyone individually researching their own set ups and customizing the installation of django and python 3.6 to them. We also used cloud9 to improve our collaboration. Setting this up allowed us to collaborate easily on the same file. Cloud9 accidentally deleted our models.py file late in our development. We were able to recover from an earlier version and redo some work. Overall, we all worked in a collaborative fashion in order to complete the project on time.



Brandon Conti  
Professor Richards  
Computer Science 326  
28 March, 2018

### **Individual Write Up Term 2**

For the second part of the project, myself and the rest of the team got together to talk about our plan for the overall rough draft of how our database would store data, and what would be shown etc. My contributions involved helping set up cloud9 with Corey Campbell, where all of us contributed setting up the backend in one environment rather than individually and pushing on git. After, we split from the single environment and worked on individual tasks. My tasks included creating the cart.html template (which I could not get 100% working), helping with views.py, url.py, and adding small tweaks on templates. I also assisted Corey Campbell in writing the team write up. I am still working on understanding git, which is why I may have slightly less contributions. There were times where I would commit but not push, creating problems on my end where I had to reset. Overall, I think I contributed 20%.

Corey Campbell (28905111)  
Professor Richards  
Computer Science 326  
28 March, 2018

### **Individual Write Up Term 2**

For the term 2 project I feel like we all worked together well and split up the work fairly. This being said, we definitely played to the strengths of our members for splitting up the workload. I handled the majority of the write up and coordination (maybe 65%-75%). With that being said, I contributed less to the program code than most of my group (I think that's clear by the github contributions). I was there for the entire development time of the application (so was everyone else on my team) and I felt like I contributed evenly with the ideas. For design aspect, I made the template for the contact page and most of the user detail page. Overall, I think that I contributed a fair amount of work for my group (20% overall).

Corey Collins  
Professor Richards  
Computer Science 326  
28 March, 2018

### **Individual Write Up Term 2**

Almost all of the area I covered throughout this term of the project was the backend portion. First I helped brainstorm and design the database schema. This included all models and their attributes, and all of us wrote them out in django model format. The majority of my work was writing the custom django views and including permission classes. This included overriding the API method functions such as `get_queryset`, `get_object`, and ensuring that the user had the proper permission before accessing certain objects in the database. This was most important when implementing the cart, so that a user cannot add a product to the cart of another user. I also added a few APIViews from the django rest framework (drf) library so the cart functions would work asynchronously. Besides those I implemented the django context that renders the `item_detail.html` template and helped fix some issues with css and other miscellaneous problems posted in our git repo. Overall I would rough estimate my work contributed to ~20-25% of the project submission.

James Hubert  
Professor Richards  
Computer Science 326  
28 March, 2018

### **Individual Write Up Term 2**

For this portion of the project I worked on the models and views when we were all working on them on cloud9, and when we were designing the model relationships. I was present for the group coding session at Naman and Corey's apartment and contributed to the collaborative environment. Also, I created the base template and worked on the home template user detail template and made the contact page follow the base template. I fixed some of the str methods in models. Over all I contributed around 18% percent to the project.

Naman Shenoy  
Professor Richards  
Computer Science 326  
28 March, 2018

### **Individual Write Up Term 2**

As a team, we worked together split off chunks of work and kept a trello board to make sure we were progressing well and completed the tasks that we collectively set. We experimented with different technologies that some of us didn't know and that was a learning experience. As a team member, I contributed knowledge of Django answered questions the team had and pointed them towards completing their work. I worked on the front-end design and the Django rest framework API. I also worked on the models, and views for the pages along with the Team. I believe I sufficiently contributed towards our team's goals (around 25%). I also used a Django extension to make the ERD for this document and dictated bullet points for some of this document to Corey Campbell and Brandon who finished it up.