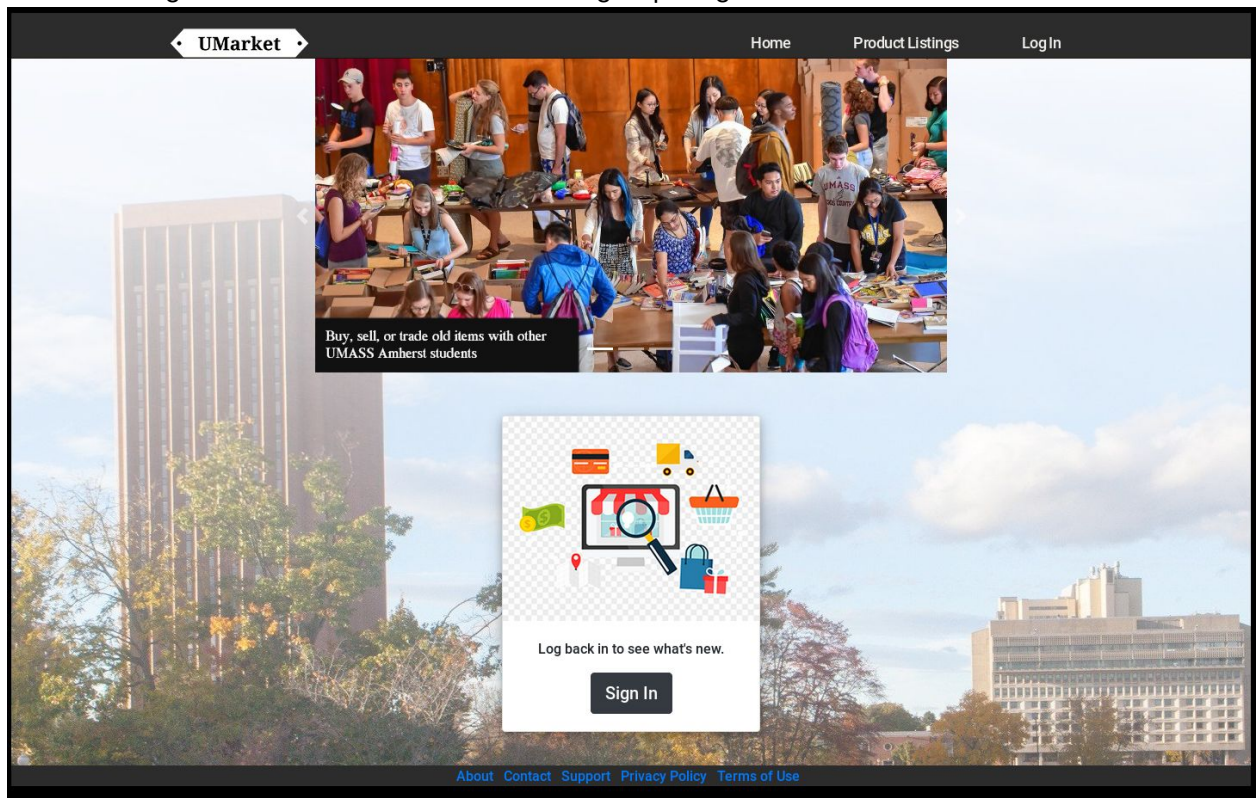


Project 4 Team Write-Up

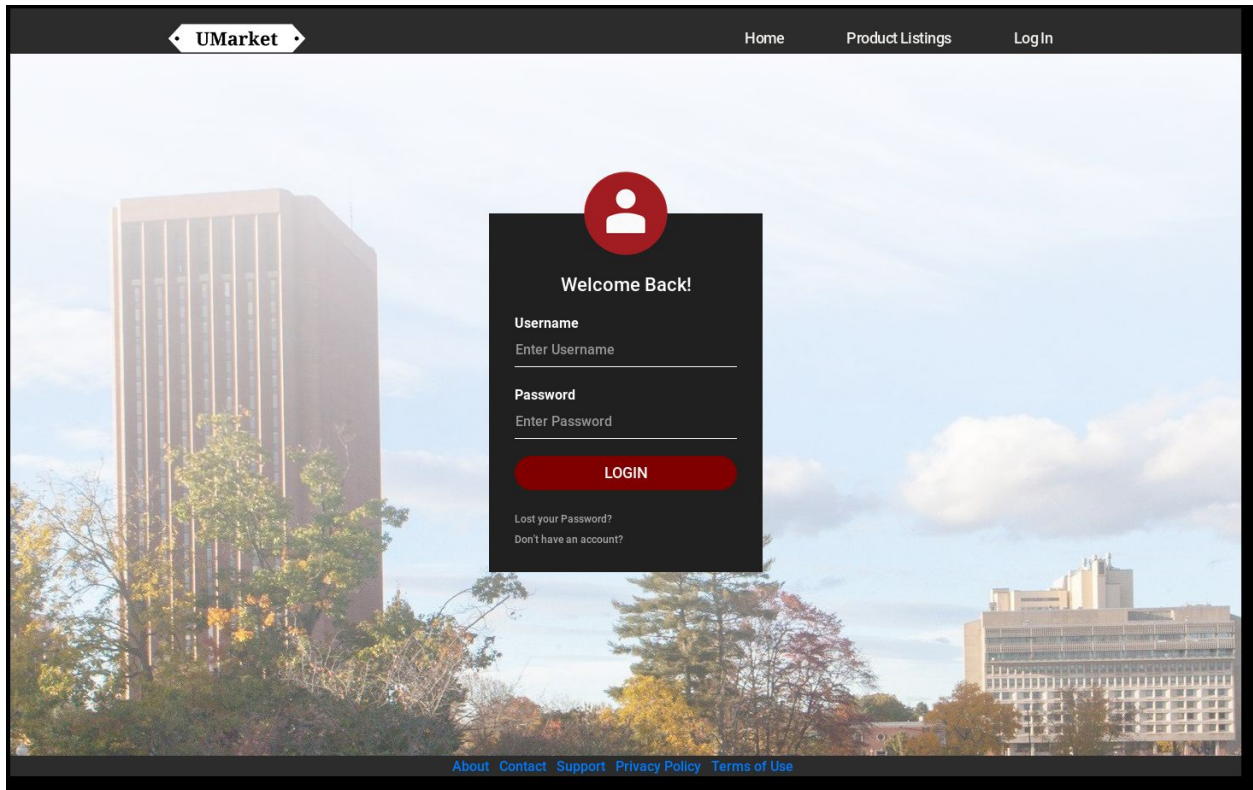
- **Title:** UMarket
- **Semester:** Fall 2018
- **Overview:** Our website, UMarket, is designed to provide UMass Amherst students with a place where they can easily sell off used textbooks, iClickers, calculators, or any other item, in an environment catered directly to them. We created a directory allowing a user to view all items listed for sale, and a rating system to judge seller reliability, so that they know they can trust the transaction to take place. Each product has its own title, description, price, and seller's rating all immediately presented for convenience, and each user can customize their account and how it's presented to the public how they like.
- **Team Members:**
Tajour Cohen-Henry
Brandon Curran
John Domenichelli
Aristotel Fani
Ashley Tapulado
Quyen Tran
- **User Interface:**

We implemented Six pages.

The Home Page serves to direct the user to the Sign Up/ Log In directories.



The Login Page allows to you access your account upon entering your email and password.



The login page features a dark header with the 'UMarket' logo and navigation links for 'Home', 'Product Listings', and 'Log In'. The background is a scenic image of a city with a tall skyscraper and trees. A dark login box is centered, containing a 'Welcome Back!' message, a red user icon, and input fields for 'Username' and 'Password'. A red 'LOGIN' button is positioned below the fields. Links for 'Lost your Password?' and 'Don't have an account?' are at the bottom of the box. A footer with links for 'About', 'Contact', 'Support', 'Privacy Policy', and 'Terms of Use' is at the very bottom.

UMarket Home Product Listings Log In

Welcome Back!

Username
Enter Username

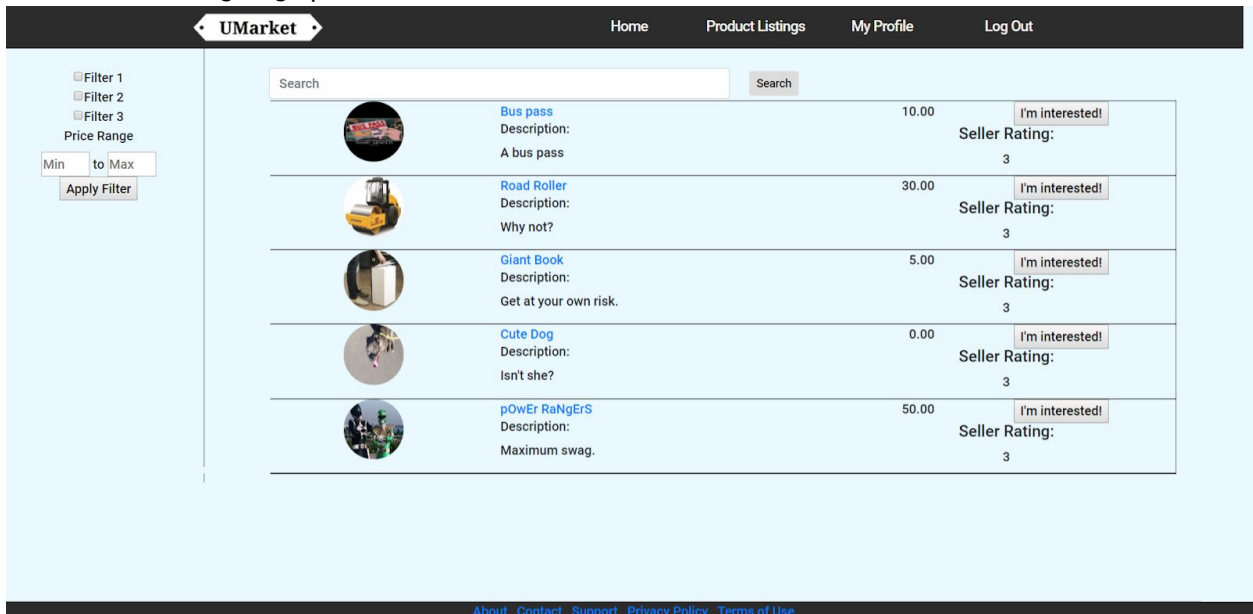
Password
Enter Password

LOGIN

[Lost your Password?](#)
[Don't have an account?](#)

[About](#) [Contact](#) [Support](#) [Privacy Policy](#) [Terms of Use](#)

The Product Listing Page presents the user with all current items for sale.








The product listing page has a dark header with 'UMarket' and links for 'Home', 'Product Listings', 'My Profile', and 'Log Out'. On the left, there are filter options: 'Filter 1', 'Filter 2', 'Filter 3', and a 'Price Range' section with 'Min' and 'Max' inputs and an 'Apply Filter' button. The main area contains a search bar and a table of items for sale. Each row in the table includes a product image, a title, a description, a price, and a seller rating with an 'I'm interested!' button. The footer contains links for 'About', 'Contact', 'Support', 'Privacy Policy', and 'Terms of Use'.

UMarket Home Product Listings My Profile Log Out

Filter 1
Filter 2
Filter 3
Price Range
Min to Max
Apply Filter

Search Search

	Bus pass Description: A bus pass	10.00	I'm interested! Seller Rating: 3
	Road Roller Description: Why not?	30.00	I'm interested! Seller Rating: 3
	Giant Book Description: Get at your own risk.	5.00	I'm interested! Seller Rating: 3
	Cute Dog Description: Isn't she?	0.00	I'm interested! Seller Rating: 3
	pOwEr RaNgErS Description: Maximum swag.	50.00	I'm interested! Seller Rating: 3

[About](#) [Contact](#) [Support](#) [Privacy Policy](#) [Terms of Use](#)

The Add Product Page contains all pertinent information on the selected product.

localhost:3000/umarket/new_product/

UMarket Home Product Listings My Profile Log Out

Add a Product

Name:

Picture: No file chosen

Description:


Price:

Category:

About Contact Support Privacy Policy Terms of Use


The Profile Page shows the user's basic information, and offers access to both the items they're selling, as well as their wishlist.

UMarket Home Product Listings My Profile Log Out




Name: Cynthia Bates
Email: cbates@326.edu
Rating: 0

Your Item Listings



Product Name: [MonkaS](#)
Sellers' Rating: 0
Product Category: Entertainment
Price: \$99.00
Description: Smash bros coming out on Friday WOO.

Your Favorited Items



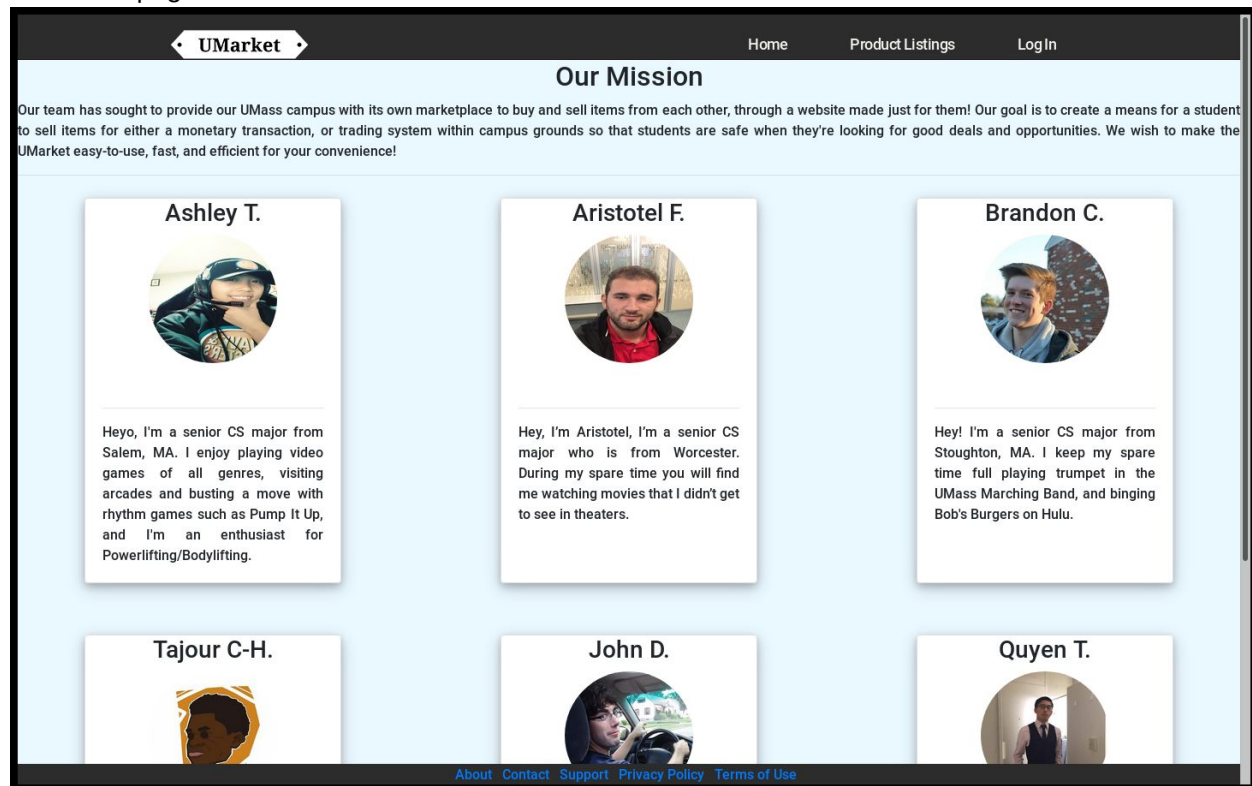
Product Name: [For big cause.](#)
Sellers' Rating: 2
Product Category: Miscellaneous
Price: \$64.25
Description: Young however article then policy crime. Pick hope tend two. Affect real professional.

Comments

Placeholder box

About Contact Support Privacy Policy Terms of Use

The About page shows information about the members of Team M - Atlas.



- **Data Model:**

We have two classes: the UserAccount class and a Product class. These are the main entities used in the database, to model the data that users will enter in our website. The UserAccount contains email, password, and name parameters to be used publicly and allow returning users to access their account. Rating is what will indicate that seller's reputation, and provides a medium for other users to give feedback for each other. UserID is used internally to reference the user.

As for the Product class, each product is given the parameters productID, userID, name, description, price, seller_rating, and category. Most recently added are whether they are favorited, and their correlating picture, all which are presented to the viewer. Name, description, price, and category are used to provide information to the user about the product. Seller_rating contains the score of the seller's reputation so interested buyers know if they should trust buying it.

- **URL Routes/Mappings: You should also indicate any authentication and permissions on those routes.**

In each product item for sale, a link is provided through the get_absolute_url function, which sends the unique id of that product to the urlpatterns array in urls.py. It then maps to the corresponding path (views.ProductDetailView) and returns the requested data.

In reference to the other paths, the userdetail path returns any info about the user that was entered into the system, and the about path sends the user to the About page which contains information about TeamAtlas. The user path contains paths to their own personal information, as well as data on the products they are selling. The I'm Interested path brings you to the user page, where the item now resides in the user's wishlist, and the new product path brings the user to the add-a-product page.

- **Authentication/Authorization:**

Users log into their account in order to access their profile page. From here alone, you can access details on the items they wish to sell, and their wishlist. If a user presses the I'm interested button, they will then be redirected to login.

- **Team Choice:**

With all goals of previous project submissions met, the final additions we wanted to add to this submission included cleaning up the appearance and color scheme through CSS modification, preparing a fully implemented "I'm Interested button," and adding pictures to each listed product. We were successful in each of these goals; the overall look of the website has been shaped in a cleaner, more user-friendly way. We also gave it a more homey feel by detailing it with colors and images that pertain to UMass. The interested button correctly adds the item to the user's wishlist. Lastly, we have implemented images to generate beside the product descriptions.

- **Conclusion:**

I believe each team member has gained a very educational insight of web programming through the creation of our website. At the beginning of the process, we learned the hard way of the consequences of not migrating regularly after small adjustments. Over time, we became more comfortable with the assignments and got into a better groove of meeting regularly outside of class, and having the whole group present on days where we did project work in class. If we had been able to foresee the struggles ahead, we likely would have ensured we each invested sufficient time to learning how to use Git and Django immediately at the beginning of the semester. Further, if we could have utilized a more immediate means of communicating with each other (sometimes members would not get notifications from slack messages), there could have been less struggles with finishing assignments so close to the deadline.

- **Slide Presentation Link:**

https://docs.google.com/presentation/d/1VT6PlqisWEvt29959L9iqG_ucZTrgTO7mAUtEw_QFBM/edit?usp=sharing