Title:

Casa Catalog

People:

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Project Description:

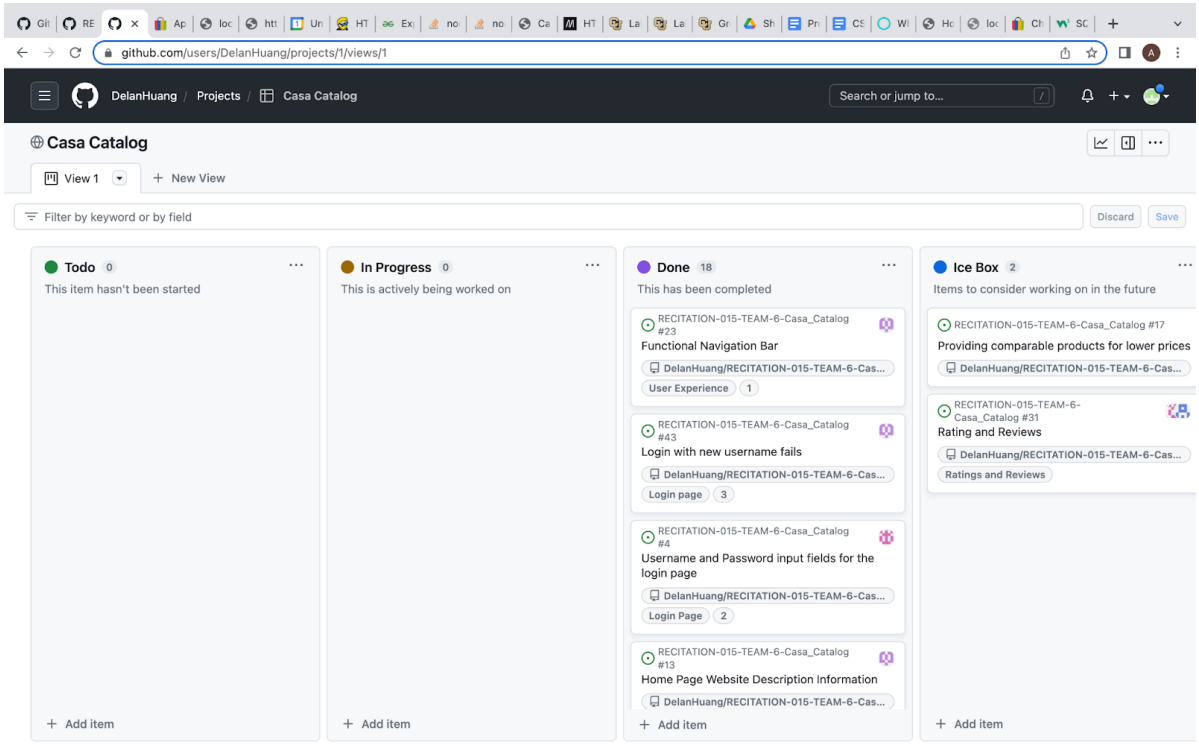
Introducing Casa Catalog - the ultimate solution for savvy shoppers who want to find the best deals on their favorite Ebay items! With our innovative application, tracking down the lowest prices has never been easier. Whether you're looking for rare collectibles or everyday household items, Casa Catalog has got you covered.

Our user-friendly platform offers a range of features designed to streamline your shopping experience. You can view, track, and purchase your unique items from Ebay, all on a single easy-to-follow webpage. Plus, with regular updates on the all-time high and low prices of your items, you can rest assured that you're always getting the best possible deal.

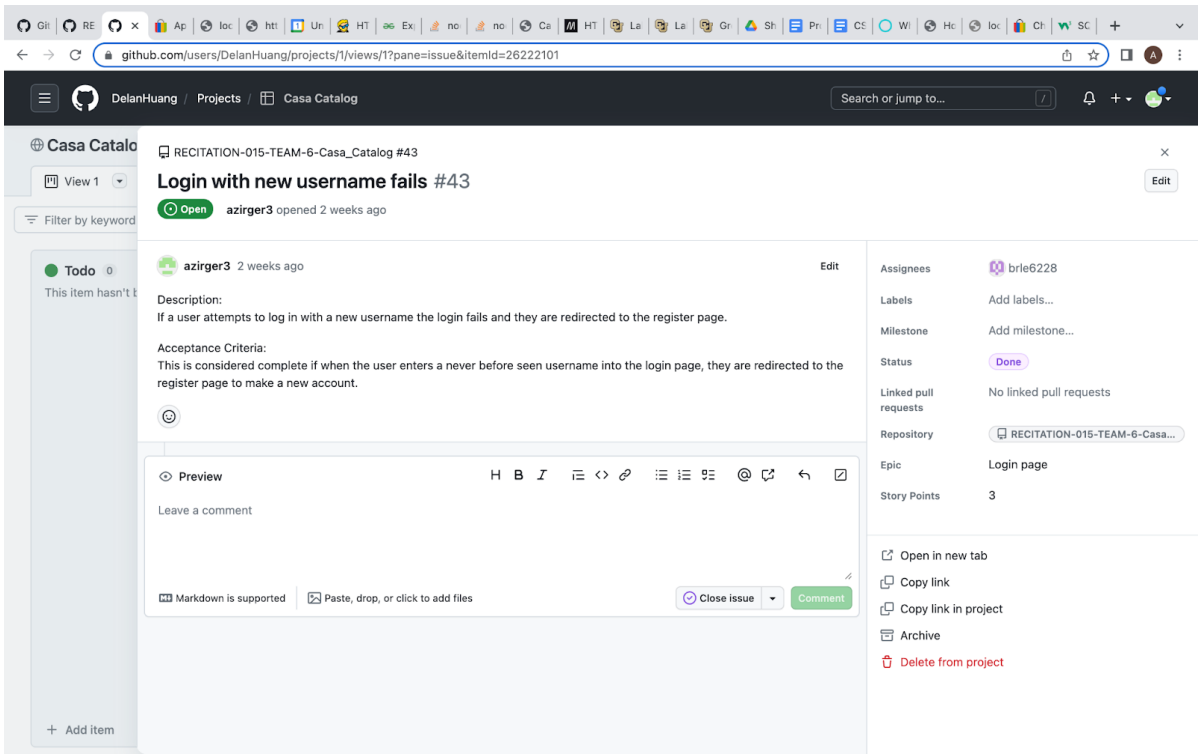
Our sophisticated price tracking system constantly monitors prices from various online providers on Ebay, so you can be confident that you're getting the best possible value for your purchases. And with our innovative Watchlist Page, you can easily compare prices and track changes over time. Say goodbye to endless searching and complicated price comparisons - with Casa Catalog, everything you need is in one place.

In short, Casa Catalog is the ultimate tool for smart shoppers who want to save time and money on their Ebay purchases. So why wait? Sign up today and start tracking down the best deals on the items you love!

Project Tracker - Github project board:



Our GitHub Projects page.



An example of a user story with a description and an acceptance criteria.

Video:

https://youtu.be/KpnNFbAVEeQ

Link to GitHub Repository:

https://github.com/DelanHuang/RECITATION-015-TEAM-6-Casa_Catalog

Contributions:

Brendan Leonard:

I integrated Ebay API calls with the database for a project's backend, focusing on the Discover page. I created a search bar and functionality for displaying item results, as well as "Buy Now" and "Add to Watchlist" buttons linked to Ebay using API calls. My second contribution was implementing the Watchlist page to track user-selected items and their prices. I added a "Update Watchlist Price" function for users to set notifications for price changes. User session management allowed for individual logins and unique watchlists. Changes were made to the database to accommodate the watchlist feature, with a table called "watchlist" for tracking item information and price monitoring.

Andrew Zirger:

I worked mostly on the backend for this project. Overall, while I worked on smaller features for many different sections, my biggest contribution was making the backend and general structure of the notifications page. This involved writing the API requests to send the correct data regarding items where notification should be posted to the page, and updating watchlist data upon a user login. When a user logs in, our website looks at all the items in the user's watchlist, checks if the price has changed and if it has hit an all time low, and if so updates those prices.

Delan Huang:

I worked mostly on the backend of the project. I created the database for the website and added some dummy entries using PostgreSql. I made an entity relationship diagram to help with planning for the database. I contributed to the footer adding the style and formatting to the footer. This was done using the CSS from the BootStrap library and HTML. I created both the use case diagram and architecture diagram using LucidChart.

Garrett Carlisle:

I worked predominantly on the frontend of the project. I worked mostly with HTML, CSS, and some EJS. My major contributions revolved around the homepage, navbar, notifications page style, and making the appearance of products on the discover page consistent with other products. For the navbar, I made its appearance fit with the website aesthetic and added EJS functionality to display different buttons depending on if the user was logged in or not. Before my changes on the discover page, product cards would be different sizes leaving lots of uneven space beneath them, but my work resolved that issue.

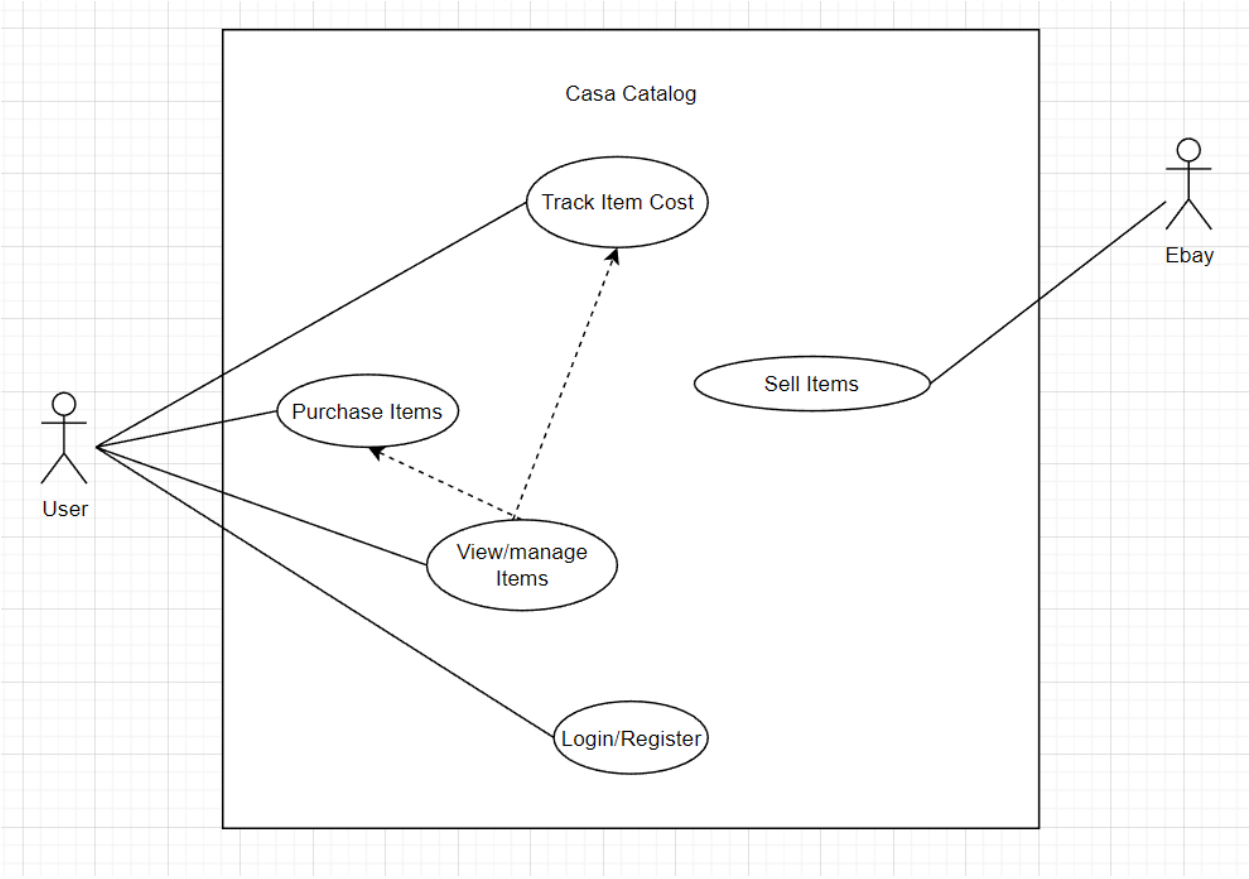
Manuel Hinojosa:

I worked mostly on the skeleton side of the project and the management. The skeleton is working on the structure of our first draft of our website. The wireframe helped give the initial vision of the website. Additionally, apart from the wireframe, I worked on the initial pages and partials by writing code on the login and registration functionality and home page using HTML, CSS, EJS for templating and Bootstrap to help make things look pretty. I also helped with the management of the team in how we were to communicate and establish roles.

Suhyun Bae:

I worked mainly on the frontend of the project. I mostly focused on designing and making the structure of the home page, discover page, and watchlist page. I tried to make our website look nicer in appearance while highlighting the important functionalities of our website. For the discover page and watchlist page, I made container boxes and positioned the table or cards inside them and modified the styles of them. I referred to the Bootstrap examples a lot and worked with ejs and css. Also, I changed the style of watch price/current price for the notification page to emphasize its difference to users.

Use Case Diagram:



Testing:

For lab 11, we created a testing plan which can be found here: https://github.com/DelanHuang/RECITATION-015-TEAM-6-Casa_Catalog/blob/main/Milestone%20Submissions/CSCI%203308-015%20Team%206%20Lab%2011%20Test%20Plan.pdf

When we carried out that testing plan, we found a few major takeaways:

The Footer:

While for the most part, users liked the general structure and functionality of the footer, functionality being in the basic sense that it stayed at the bottom of the page and didn't cover other items on the screen, one point of confusion was the social media links that lead to the home page of the social media sites as opposed to our specific pages. As this is not a true business, we do not have a social media presence, but we still feel that should this project have been for a real customer, such links would have been a useful feature, we understand the confusion this may cause in our specific scenario, but we feel that this would be resolved in a real world scenario.

The Navbar:

One of the most common pieces of feedback that we received during User Acceptance Testing was regarding the navbar. In a previous version of the webpage, there was just one navbar containing links to all the pages. This confused users who had just logged in, as there was still a navbar button leading to the login and register pages, and logged out users as there was a navbar button for logging out. We anticipated this issue and have since changed our navbar to be different for logged in and logged out users.

General Stylistic Consistency:

When we conducted our User Acceptance Testing, we had not finished styling all our pages, so there was not a consistent theme throughout the website. This was brought up while we were in the process of finishing the page styling. This has since been completed.

Additional Features:

Most of the rest of the feedback received fell into the additional features category. Namely, the feedback was in the form of, "the website does everything that you said it does, but it would be nice if it also did x, y, or z". A common piece of feedback was that only being able to price track ebay felt restrictive and it would be nice to have other options. Another was to have a better presentation of the price tracking in the form of a graph or something else. While we agree that these features would be nice to have, we did not have time to implement them in the four weeks of this project especially due to the difficulty of finding a suitable API.

Deployment:

Link to our deployed webpage (webpage may not be currently hosted):
http://recitation-015-team-06.eastus.cloudapp.azure.com:3000/home

To deploy our application, we ran it on a cloud server through a Linux virtual machine using Microsoft Azure. We chose a cloud based solution as it provided some distinct advantages over having the hosting infrastructure locally. Using this cloud based virtual machine, we were able to simply install docker and docker-compose, and after cloning our repository, run the hosting of the website from the VM. If we had to host the website ourselves, we would have had to deal with system requirements, data backups, and more. To access our application, just click on the link to the webpage. If the server is up and running on our VM, which is unlikely as we are saving our free uptime for testing and our final presentation, you will be redirected to the fully functional version of our website.