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CSCI 4990- Capstone

Snap Cha-Ching

Snap Cha-Ching is a two-platform project consisting of a web and an android app. The main purpose of the web is used for browsing the catalogue and buying from it. Meanwhile for the android app, it is used mainly for the purpose for resellers, who are selling items.

Who are we?

There are many people who make a living by reselling, picking up hype clothing or shoes and sell it in the market for a profit. Most people who engage in this practice are doing so through social media like facebook but there are no platform out there that are truly intended for this issue. There are many instances where there are great deals in the market but are out of reach for some consumers while not the other. The consumer who are available for the bargained deal could greatly enhance the well-being of those who are not presented with such opportunity by reselling the products to them while also making some extra income. We want to create this platform to allow the two parties to exchange great deals that occurs everyday so both parties are gain from the transaction.

Our Mission

Simplify the process of retail arbitrage that anyone could pick up a great bargained deal and sell it on our platform. The buyers who truly wanted the items could also benefit from the process by getting the items on a much cheaper deal than retail price.

Why use our platform?

Make reselling easy by having a platform where sellers and buyers on the platform could see the all the listed bargain deal so none will be missed out. We'll will also provide shipping and payment feature which is one of the biggest reason that deters people from becoming resellers

User Story

Seller just walking in the mall, shopping with family. Saw a great deal on a piece of clothing but doesn't need it himself. Open the app and scan the barcode of the clothing and take a picture then uploaded to our site. The buyer see the new flash deal that pops up and click to buy it. If there is no buyers for that bargained deal then the item will be off the platform by the time the seller leaves the mall so no risk of buying the good that no one want and no storage required for the good

Web Application:

- Home Page
  - For the web, we have several features such as log in and sign up. When we click on these features it will connect to the back end, it will store new users' information if one were to sign up and if one were to log back in, it will check from the database and make sure that the email and passwords do match the information given.
  - Upon landing on the homepage, there is the search feature using Apache Solr in which it can search by name for any product that is put up by the resellers.
  - We also have the cart that brings you to the Cart page in which will have everything that you added to the cart. We also include the browse feature which will take you to the Products page.

- Products Page/Product Detail Page
  - On the products page you will be able to see all the listed product that the sellers have uploaded.
  - Since this is a flash sale style ecommerce, we implemented a timer that will count down and when it reaches 00:00, it will automatically be removed from the cache.
  - There is also a add to cart feature which will add the items you want into your cart.
  - You can also click on the item and it will bring you to the Product Detail page which have the basic information provided along with the price and also able to claim to cart.

- Checkout/Payment Page
  - Here you will see all the items you had added to the cart along with the price, timer, quantity, size and allowing the user to cancel it which will return it back to the Product Page.
  - We then also have the checkout feature which then leads us to the Payment page.
  - On the Payment page, it will lead the users to PayPal and using the PayPal's SDK which will handle all the payments.
  - Upon confirming purchase a shipping label will be send to the seller to deliver the product to the consumer. The consumer will also get an email confirmation.

Android Application:

- Upon opening the application, you are asked to log in which is also kept in the database and will only allow the user to log in is the information matches with the data.

- o   After logging in, you will be brought to the page that you have listed products that will also be shown in the web application's Product page.
- o   There is a camera icon which will allow us to use our scanning API which lead us to input the price description and timer
- o   After the user submit the item through the app, the product will be rendered on the website as a new incoming product