**Ebay amazon**

E-commerce applications are getting exceedingly popular in today’s fast-paced business environment. From consumer goods and digital media to grocery items, almost everything is available on E-commerce applications these days. So today I would like to focus on two e-commerce applications, amazon and ebay to try to compare and understand the simpler version of their online retail business.

**一、品牌介绍**

Amazon is a global eCommerce corporation that specializes in online retail, computer services, consumer electronics, digital content, and other local services including daily specials and groceries.

eBay is the world's online marketplace; a place for buyers and sellers to come together and buy or sell almost anything.

**二、网页对比**

As we all know ,Amazon and ebay also have two sides for the system. If you are a customer of Amazon or ebay, you can either be selling products through your own isolated store on Amazon or ebay, or you can be buying products available from different sellers.But this time,I would like to just pay more attention on buyers experiences, and E-Commerce Application’s Buying-End Architecture**.**

# Ok, this is the website of amazon Buying-End Architecture. And this is the website of ebay buying end architecture.

Firstly,I think there are some the basic features in common:

* The website should include a catalog of products.
* Buyers can search products by name, keyword or category.
* Buyers can add, delete or update items in a cart.
* Buyers can purchase items in the cart and make payments.
* Buyers can view their previous orders.
* Buyers can review and rate purchased products.

Then ,there are also some Non Functional Requirements.

* High availability
* High consistency
* Low latency

三、客户端对比

TO the mobile devices, The [Amazon Shopping mobile app and ebay mobile app on ios](https://play.google.com/store/apps/details?id=com.amazon.mShop.android.shopping&hl=en_GB)  were chosen for this case study. The 6 screens I chose to focus on were:

1. Home page  
2. List of wish lists page  
3. Create a new wish list page  
4. Wish list page  
5. Edit wish list page  
6. Add comment, quantity & priority page

And this is a video about ebay app

四、总结 （文字）

相同点：Above all.we know, As soon as a customer, who in this case is someone who wants to buy something on Amazon or ebay,whatever web or mobile app, lands on the homepage, they will find a list of recommendations. These recommendations may be based on the customer’s previous searches, or purchases if they are a returning user.

Alternatively, the users can search for something on the search page and the system will display a set of products or services based on the keywords.

When the user wants to place an order, the Order Placement Service will receive the request. The Order Placement Service talks to a MySQL database that stores all the orders. Relational database such as MySQL is a good choice for storing and maintaining records of orders from different users since this part of the system needs to follow ACID properties. If the last piece of a product is ordered by a user at a location, the change should be reflected across the MySQL clusters promptly enough that no other user can place an order for that item.

When an order is ‘initiated’, it will be stored in the database with an order id and a copy will be created in the Redis. Once an order is initiated, the count for that item in the warehouse needs to be reduced. So the Order Placement Service will talk to the Warehouse Service

不同点：

This is how a basic e-commerce application that can be accessed through the website or app.But at the same time,there are also some differences between them.For example,Amazon has a few advantages over eBay. For starters, the site does an excellent job of making a buyer feel that they are buying directly from Amazon. Seller’s items are listed alongside Amazon’s. Purchases can be made using “1-click buying,” Unlike eBay and PayPal, buyers can complete their payment without leaving the Amazon site. With Fulfillment by Amazon, sellers can even have their items stored and shipped directly from Amazon’s warehouses.