

## VIRTUAL TRY ON CLOTHES USING – AUGMENTED REALITY

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**ABSTRACT** - It is a web application system that will be really useful for the customers and also for vendors it is a one- stop solution for all the shopaholics it overcomes the disadvantage of going to stores in search of the products and waiting in the queue to buy the product our proposed system is that we can be able to buy whatever products we want from wherever we are this can be utilized in shops restaurants and many other stores which helps in increasing the productivity and contributes to the economy as a whole to a larger extent this application has a lot of stores in a single platform the most attractive part is that would using an augmented reality with which we can incident the trails in our place this ar helps the customers to identify their suiting perfectly as they experience in physical shopping mode this application can be used by any range of group or communities that is more convenient and saves a lot of time it makes a clear vision to us to buy the correct products this will help the buyers to discover wide range of products which suits them good and they can able to buy the product from wide range of places also the customers can also rate and review the services of the products which increases the standard of the platform

### INTRODUCTION

just imagine that all the products from all kinds of shops which are located in our city and various other cities are clubbed together in a single platform where we can be able to buy all the products in that single application is not this sound great that why were bringing this platform our e-tailing allows the customer to get the products from the retailers it enables the customer to browse wide range of stocks and services of the required specifications features prices along with rating and reviews of the products were introducing this platform to make shopping much easier and comprehensive by using this platform the customers can able to buy the products from their favourite places shops without going to respective places shops it will be more useful to local stores to be familiar to everyone who are using this platform for example if you want to buy a shirt from online-stores which one do you prefer choosing a known store or from unknown stores definitely well prefer the known stores so that's the idea of this platform in this platform were allowing consumers to sign up for a stable online account so the data only needs to be entered once the customer often receives notifications from that site when their searched products is available

### LITERATURE REVIEW

#### 1) MULTI PRODUCT E-COMMERCE:

some of the online portals and e-commerce sites provide various types of goods and prodeucts in various types of sites

These Indian electronic commerce web sites provide goods and services in a more number of products like:

- Beauty care
- Health care
- Books and magazine
- Household appliance
- Jewellery
- Gift articles
- Computers, peripherals and etc.

**ADVANTAGES:**

- Faster buying process
- Affordable advertising and marketing

**DISADVANTAGES:**

- Long delivery period
- Lack of reliability and security

**2) SINGLE PRODUCT E-COMMERCE:**

Some Indian websites deal with the unique field.

**i) AUTOMOBILES:**

These sites helps the customer to buy and sell second handed vehicles. Like two wheelers and four wheelers

**ADVANTAGES OF AUTOMOBILE IN E-COMMERCE:**

- Buying a car online saves time.
- You still get to test drive the car.

**DISADVANTAGES OF AUTOMOBILE IN E- COMMERCE:**

- Limited trade in value.
- You may have to pay shipping fees.
- You don't always get that value in personal experience.
- Limited financing options.

**ii) REAL ESTATE IN E-COMMERCE:**

- They offer paying full payment for the site or lease of the property.
- They also upload an information about the new properties that are ready to sale.
- They also update reselling land on their website.
- In above sites we can only see the real estate areas

**iii) APPAREL AND BEAUTY:**

- These websites are meant for branded clothing and beauty products only.
- In this site we can only see the beauty related products.

**GUCCI**

We are living in the new generation which the new technologies does not allow us to get out of our home and buy groceries and other household product. Now a days Gucci allows the customer to buy glass and shoes and even make ups based on their skin type.

Even today the shop owner create new websites to sell their products. It is very useful for them to satisfy the customer. This shopping is done easier with the help of augmented reality.

**WAYFAIR:**

Wayfair proposed a new version and they are about to release an updated the new series of “VIEW IN ROOM APP” it also using LIDAR technology “enhanced utility and heightened delight when shopping for products for the home.” Wayfair has given the user with more realistic and authentic view using REALITY KIT. for example the accurate lightning is enabled for them to view product (based on real-time).

**EXISTING SYSTEM:**

There are several existing systems on the internet and also available as a standalone system. There are existing systems like Flipkart, Amazon, Myntra etc., which are used to buy products and also users can ask doubts and give feedbacks in those applications. They primarily focus on selling only few types of products to the customers. Only few sites are giving all types of products to the customers and we customers don't know that the product is coming from which store. We can only be able to see the products and their sellers, but we do not know where do they source from.

**PROPOSED SYSTEM:**

The proposed system tries to overcome the disadvantage of the existing systems available on the internet and also to provide the user-friendly environment to the customers. The rise of local shops will be increased by using this platform and we can able to see the products of our local shops/stores. We're bringing out all kinds of shops in a single platform where we can able to see, search and buy the liked products. To say simply, it is a one-stop solution for all the shopaholics. In a festival time, we want to go the shop and to stand in a rush for buying some products and if we don't like the product, we will go to some other shops, so it takes a lot of time. To overcome this problem, we have developed this platform, in this we can simply sit in our home and have a look of that product and afterwards if we like that, we can buy that product so, it makes us shopping much easier and comfortable.

**SOFTWARE REQUIREMENTS:**

This section gives the details of the software that are used for the development

Operating System : Windows 10/11 Language : HTML

**MODULE:**

- Admin portal
- Filter product
- Image processing
- Product view page
- Order now ADMIN PORTAL:
- The All in one is a total web-based solution. In this home page product can be viewed the page performs that viewed products customers can buy their products.

**FILTER PRODUCT:**

- In the navigation bar using the filter button user can filter their needed products.
- Consumers can short list their needs by using the filter. (Categories, cities, and prices).

**IMAGE PROCESSING:**

The processing is a technique which allows the user to see how the product the they wish to purchase look on them.

It captures the image of the uses and fixes the product that the customer wanted to purchase.

Image processing can be easily accessed through mobile phone which can make all the customer namke use of the apps and web sites in an easier way.

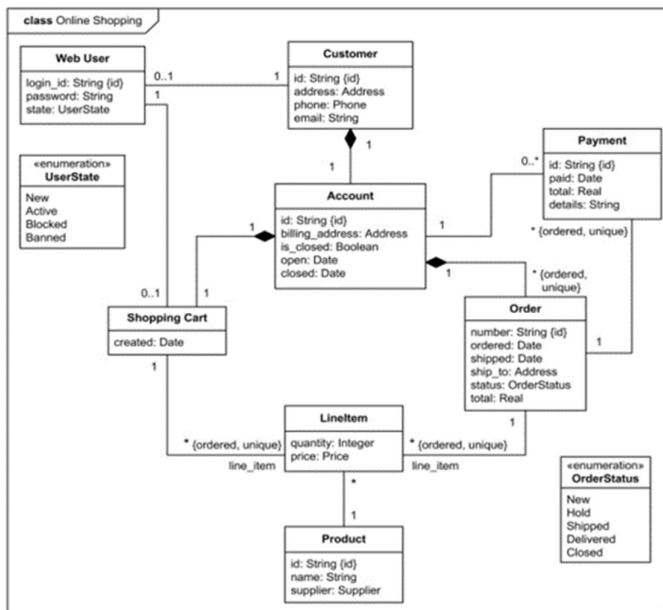
**PRODUCT VIEW PAGE:**

- If user click the needed product that goes into product view page.
- In this page user can see the products details like price, discount, brand, photos, reviews, stock availability etc.
- And also, consumer can view the 3D view of the product.
- By using recommendation algorithm similar products can be viewed in the right side of the page

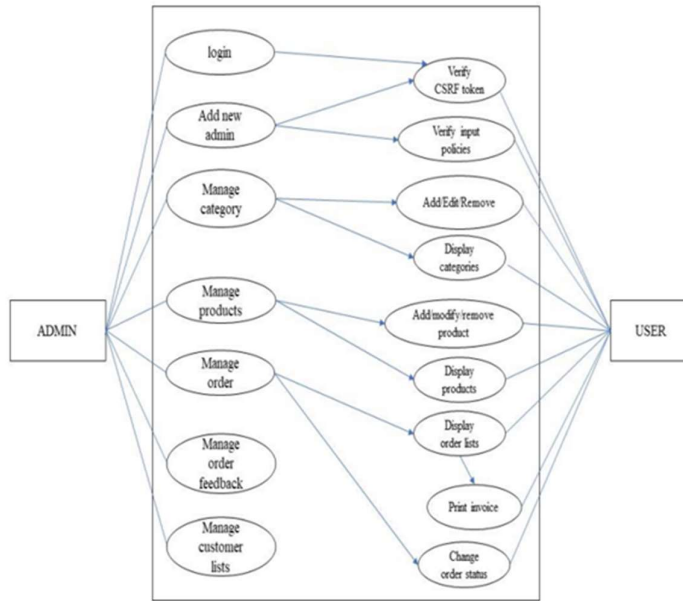
**ADD TO CART AND ORDER NOW:**

- Products can be added into cart using add to cart button.
- While clicking order now button details of the user have to be mentioned after completing the procedure order will be placed.

**SYSTEM ARCHITECTURE:**



**USECASE DIAGRAM:**



## CONCLUSION

The proposed system tries to overcome the disadvantages of the existing system and also to serve the customers in an efficient manner. It will help the customers to discover wide range of products which suits them good and they can able to buy the product from wide range of places also. Finally, this would definitely help us to save our time and provide more engaging and convenient way to shop from our home.

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