

ONLINE FURNITURE SHOPPING APPLICATION

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Abstract

Android based virtual reality furniture store using firebase that allows users to click for various furniture available at the online store and purchase online. The project consists of list of furniture products displayed in various models and designs. The user may browse through these products as per categories and user likes a product he may add the shopping cart. Now he/she may pay through a credit card or cash on delivery.

Keywords: Furniture Shopping,
Virtual reality, Firebase, AR Core.

Introduction

This android based virtual reality furniture store using firebase app will help you to buy the best suited furniture for your home. This app will not only act as an online buying shopping cart but also act as a home decorator advertiser. This application will also help you to choose colour for your home furniture and its search and filter feature will make it much easy to find the material as per your need and cost. This Furniture Shopping Project application will help to decrease the value of your efforts and making the life simpler. Also easy payment gateway is also offered in this android furniture shopping application.

Existing system

Existing system is manual one in users are maintaining books to store the information like product details, distributors details, purchases, sales details and accounts for every month. It is very difficult to maintain historical data. In present system, the online shopping is very backward and all the modes of payment are not available. The number of products available is also very less.

Disadvantages

Unauthentic websites: To verify the authenticity of the website before placing the order and making the payment.

Color and size: The images on the website will be different from the way they actually appear.

Proposed system

In android based virtual reality furniture store user can view

the virtual image of the furniture and check which is suitable for their house. And this app avoids more manual hours that need to spend in record keeping and generating reports. This application keeps the data in a centralized way in available to all the users simultaneously. It is very easy to manage historical data in database. And users can view furniture virtually on their room. Easy payment through all the credit and debit cards. cash on delivery and internet banking is all so available.

Advantages

- Furniture shops to automate furniture selling online.
- Save time
- Save fuel and money
- Available 24/7
- View Virtual Image.

Modules

The android based virtual reality furniture store has two main applications. They are listed below

- Customer
- Admin

Module description

The customer application consists of

- Home
- Product details
- My orders
- Forum
- Sign in
- Sign up
- Admin
- View VR
- Payment

Home

In home module customer can view the all available furniture in the store.

Product details

In product details module customer can view the details of the module such as description, price, offer price, offer end date, etc ..

My orders

In my orders module customer can view the details of their ordered products.

Forum

In the forum module user will give feedback/queries.

Sign in

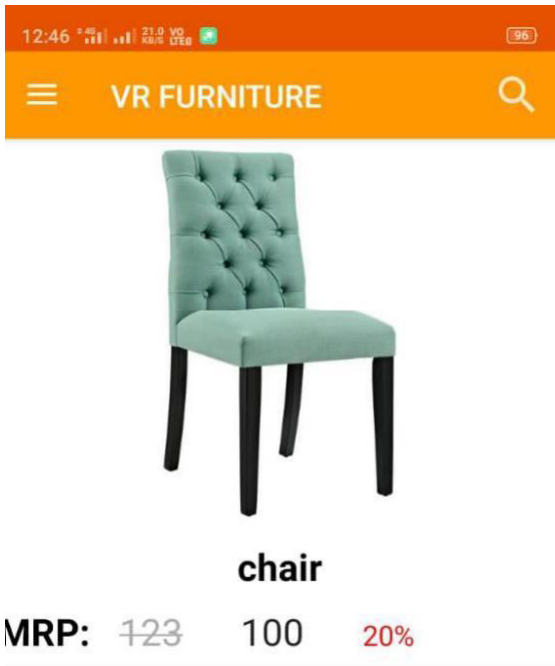
In this module user can sign in to their existing account.

Sign up

If the customer is a new user, the customer will enter his details to register and the user will have user Id and password through which the user can login to the application.

View VR

In the View VR module customer can view the virtual image of the furniture .

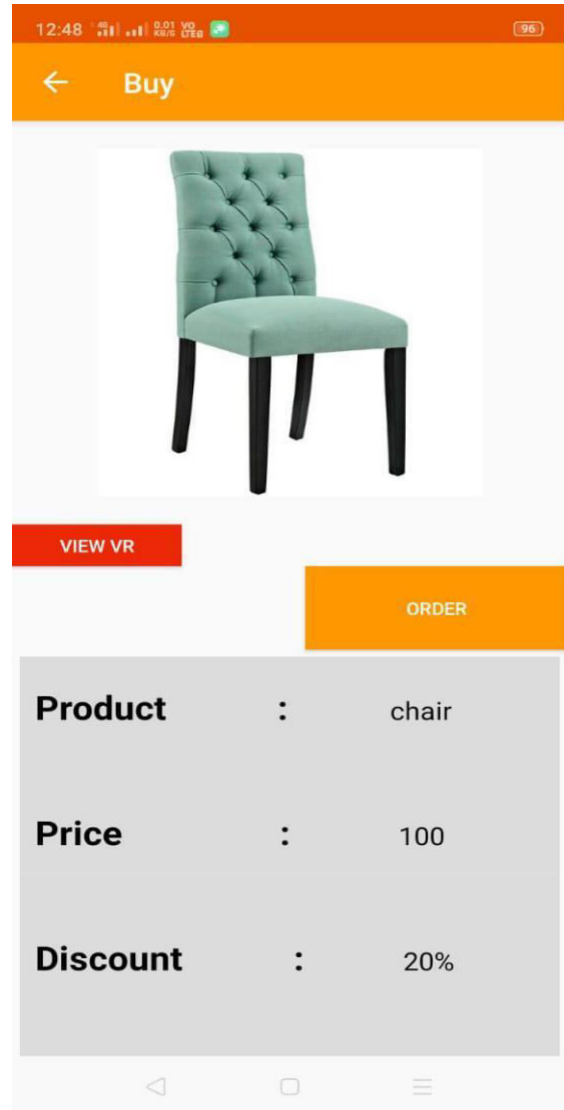


Payment

Once users orders products they are redirected to payment page. Users can pay by modes of making payments through cash on delivery and online payment.

The admin application consists of

- View Orders.
- Post products.



View orders

In View orders modules admin can view the orders from the customer.

Post products

In the post product module admin can post the new products.

Future Enhancement

- In future, I planned to develop this app in ios platform.

Conclusion

These app will help the customer to view the furniture object virtually in real environment before buying the object. Due to these system customer will come to know how his home structure would look after buying the furniture object. These proposed system would let the user to try multiple combination of object virtually without physical movement of furniture objects. These will help the buyer to determine how to setup furniture in home structure.

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