WOODSTREET

FURNITURE SHOPPING USING AUGMENTED REALITY

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WOODSTREET

➢ In current time when you were buying a chair, a lamp, a carpet, or anything else? Remember how we excited you were about the furniture purchase, rushing home. And find out that an item did not fit in the room. And there were in two further options: either returns the goods and goes back to the start, or leave and live with it. Fortunately, with new tech advances and stuff like Augmented Reality you can place virtual furniture check whether its looks better or not. And also check the furniture information in details.

➢ In this application user can apply the furniture object and set the 3d object in place. So User can easily check the furniture is suitable or not. In WoodStreet App there are some Augmented Reality Features, so user is fully satisfied with this technology.

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COMPANY PROFILE

COMPANY NAME :-

JARVIS TECHNOLABS

CONTACT NUMBER:-

+ 91-79-48003966

COMPANY ADDRESS :-

E-1212,TITANIUMCITY CENTRE, NEAR SACHIN TOWER, 100 FT. ROAD,SATELLITE, AHMEDABAD, GUJARAT-380015

PROJECT PROFILE

WOODSTREET

WOODSTREET

TOOLS:-

- Android Studio
- Unity 3D
- 3D Max Studio
- MYSQL

TECHNOLOGIES :-

- Augmented Reality
- Vuforia
- PHP
- My SQL Database

SYSTEM REQUIREMENT

SOFTWARE REQUIREMENT:-

- ➢ Android Studio
- ➢ Android SDK
- ➢ Android Device with update Version(7.0)

HARDWARE COMPONENTS:-

- ➢ Processor – i3
- ➢ Hard Disk – 200 GB
- ➢ Memory – 4GB RAM

EXISTING SYSTEM:-

➢ Currently **" Pepperfry "** online Furniture store is available in the market and is more popular but it do not provide Augment Reality (Virtual Reality) features that's why customers are not able to take correct decision how furniture will look like and which color will suit best in their area room
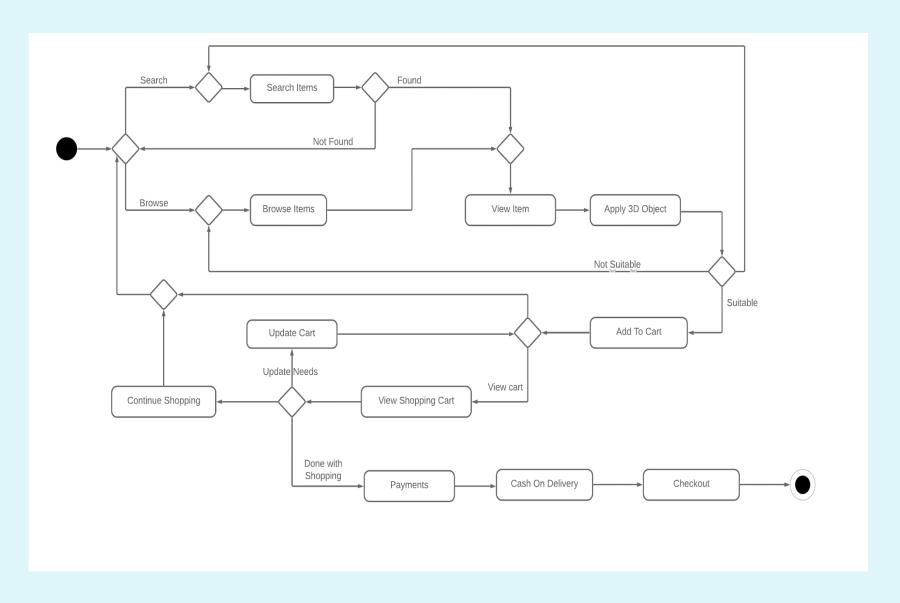
PROPOSED SYSTEM:-

➢ The application will help the user to scan the place where we want to keep the furniture and it will fill the place with virtual furniture in 3D view.

➢ Through this system we will get rid of the difficulties of fitting the furniture in the place. Normally we buy furniture and bring home, after that we find that the furniture is not fitting in that place. So it will help the user to choose the right furniture for that particular place.

➢ It will also help the user to choose the look, colour and size of the furniture as we can see that place with furniture in virtual 3D view.
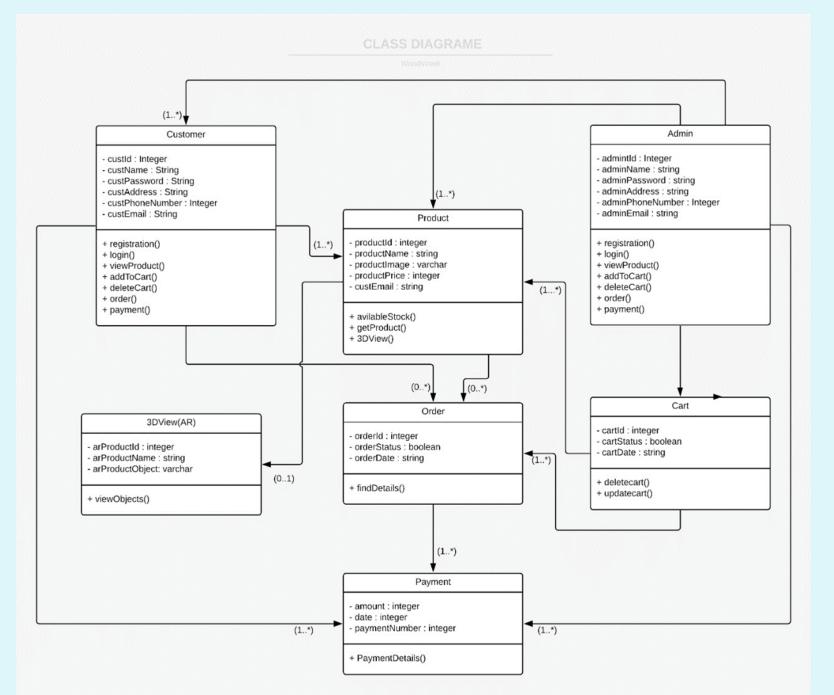
UML DIAGRAMS

WOODSTREET

Use case Diagram :-

Usecase Diagrame
Woodstreet .

User

Login
ManageFurniture
Manage Stock
Manage Customer
Manage Order
Select Product
View Product / Apply on obj
Order
Payment
Delivery

Admin

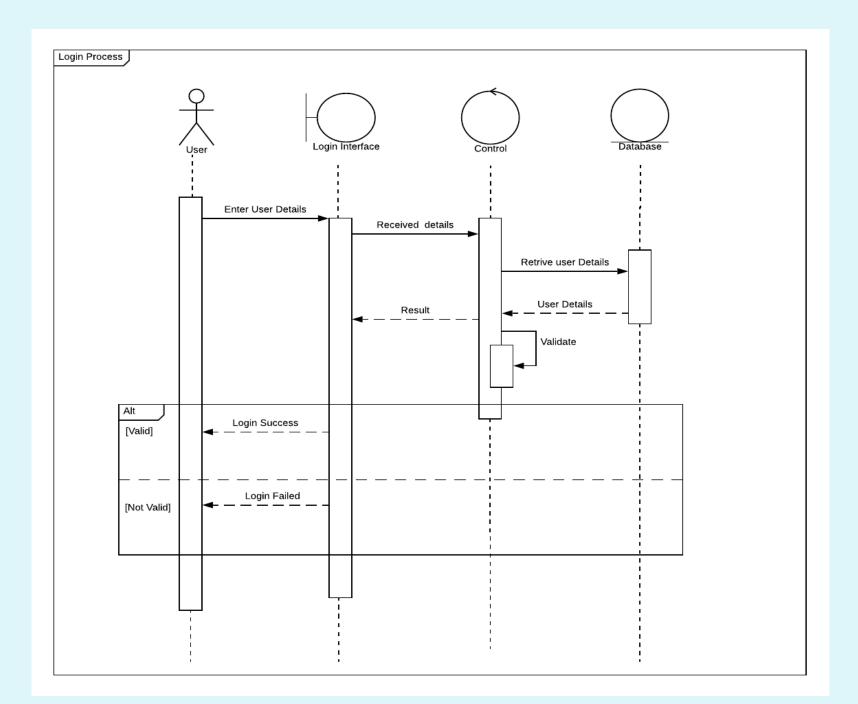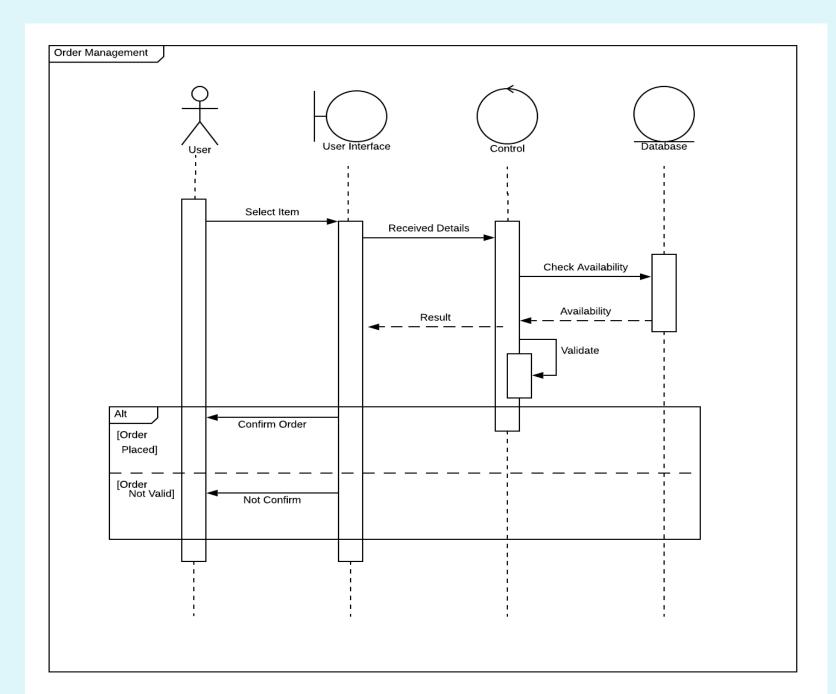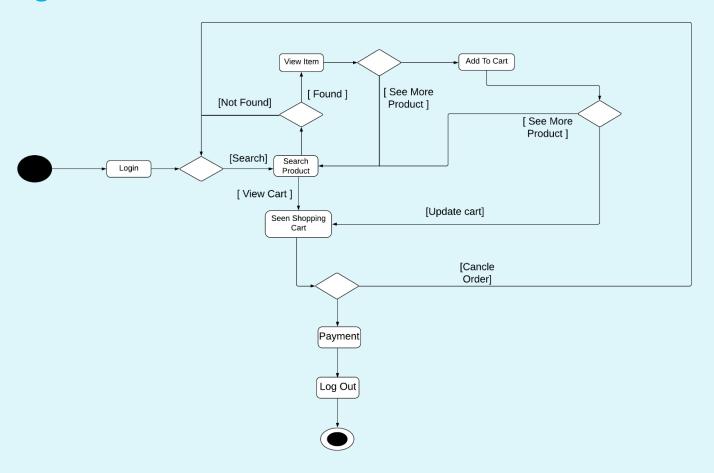# Activity Diagram :-

Class Diagram :-

CLASS DIAGRAME
Woodstreet

Customer
- custId : Integer
- custName : String
- custPassword : String
- custAddress : String
- custPhoneNumber : Integer
- custEmail : String

+ registration()
+ login()
+ viewProduct()
+ addToCart()
+ deleteCart()
+ order()
+ payment()

Product
- productId : integer
- productName : string
- productImage : varchar
- productPrice : integer
- custEmail : string

+ avilableStock()
+ getProduct()
+ 3DView()

Admin
- admintId : Integer
- adminName : string
- adminPassword : string
- adminAddress : string
- adminPhoneNumber : Integer
- adminEmail : string

+ registration()
+ login()
+ viewProduct()
+ addToCart()
+ deleteCart()
+ order()
+ payment()

3DView(AR)
- arProductId : integer
- arProductName : string
- arProductObject: varchar

+ viewObjects()

Order
- orderId : integer
- orderStatus : boolean
- orderDate : string

+ findDetails()

Cart
- cartId : integer
- cartStatus : boolean
- cartDate : string

+ deletecart()
+ updatecart()

Payment
- amount : integer
- date : integer
- paymentNumber : integer

+ PaymentDetails()

(1..*) (0..*) (0..1) (1...*) (1..*)

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Sequence Diagram :-

Sequence Diagram :-

State chart Diagram :-

DATA DICTIONARY

WOODSTREET

ADMIN_TABLE

FieldName	Datatype	Constraint	Description
Admin_id	Int(50)	Primary Key	Unique Identify
Admin_email	Varchar(50)	NOT NULL	Email Of Admin
Admin_mobile_no	Number(10)	NOT NULL	Mobile No Of Admin
Admin_name	Varchar(50)	NOT NULL	Name Of Admin
Admin_password	Varchar(50)	NOT NULL	Password of Admin

CUSTOMER_TABLE

Field Name	Datatype	Constraint	Description
User_id	Int(50)	PrimaryKey,auto increament	Identify Of User
First_name	Varchar(50)	NOT NULL	Name Of User
Last_name	Varchar(50)	NOT NULL	Family Name Of User
Mobile_no	Number(10)	NOT NULL	Phone No Of User
Password	Varchar(50)	NOT NULL	Password Of User
Address	Varchar(50)	NOT NULL	Address Of User

PRODUCT_TABLE

FieldName	Datatype	Constraint	Description
Product_id	Int(50)	Primary Key	Identify
Product_name	Varchar(50)	NOT NULL	Name of product
Category_id	Int(50)	ForeignKey	Identify Category
Product_price	Float(10)	NOT NULL	Price Allocated To Item
Product_img	Varchar(50)		Location Of Image
Stock	Boolean		Available Or Not

CATEGORY_TABLE

FieldName	Datatype	Constraint	Description
Category_id	Int(50)	Primary Key	Identify Of Category
Sub_category_id	Int(50)	ForeignKey	Identify of sub_category
Tittle	Varchar(50)	NOT NUUL	Tittle Assign to Category

SUB_CATEGORY_TABLE

FieldName	Datatype	Constraint	Description
Sub_category_id	Int(50)	PrimaryKey	Identification Of Sub_cat
Sub_Category_name	Varchar(50)	NOT NULL	Identification Of Sub_cat Name
Category_id	Int(50)	ForeingKey	Identification Of Category_id

CART_TABLE

FieldName	Datatype	Constraint	Description
Cart_id	Int(50)	Primary Key	Unique Identify
Product_id	Int(50)	ForeignKey	Product Identification
Sub_category_id	Int(50)	ForeignKey	Identification Of Sub_cat
User_id	Int(50)	ForeignKey	Identification Of User
Product_price	Float(10)	NOT NULL	Price of particular product
Product_Quantity	Int(50)		Total No Of Product
Total	Float(50)		Sum Of All Item In Rupee

ORDER_TABLE
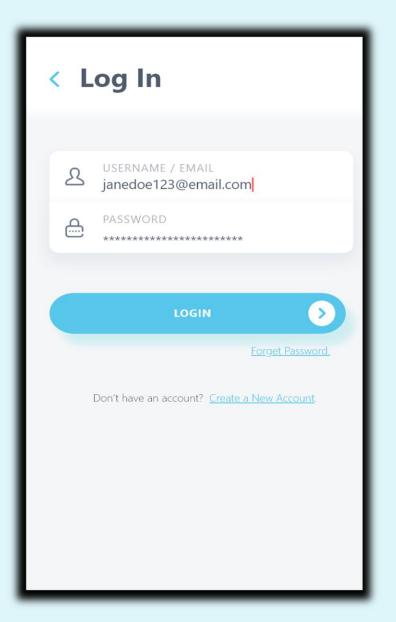
FieldName	Datatype	Constraint	Description
Order_id	Int(50)	Primary Key,auto increamant	Unique Identify Of Order
User_id	Int(50)	ForeignKey	User associated With Order
Alternate_Address	Varchar(50)		Alternative Address
Cart_id	Int(50)	ForeignKey	Cart Associated With Order
Date	Datetime	NOT NULL	Date and Time Of Order
Payment_type	Boolean	NOT NULL	Method Used For Payment (COD)

SAMPLE SCREEN LAYOUTS
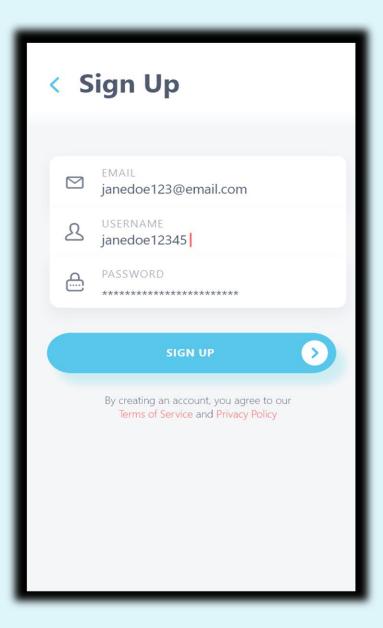
WOODSTREET

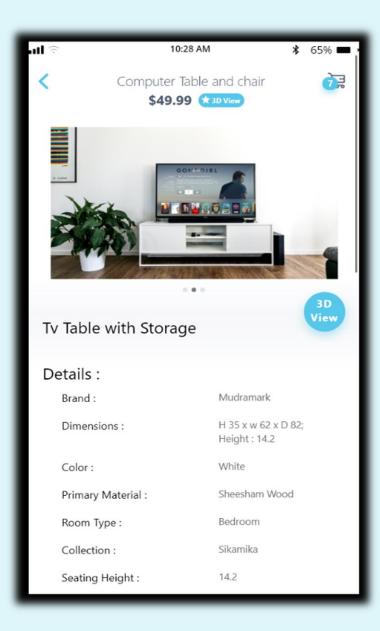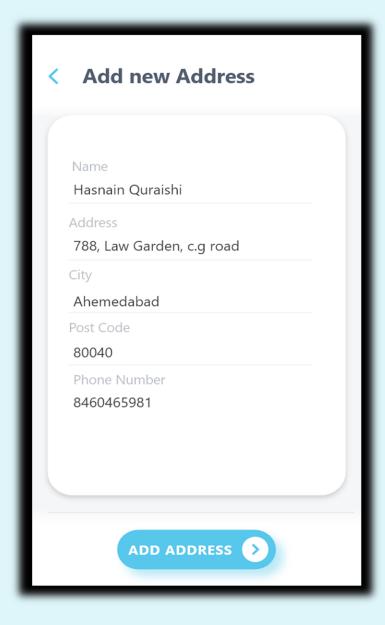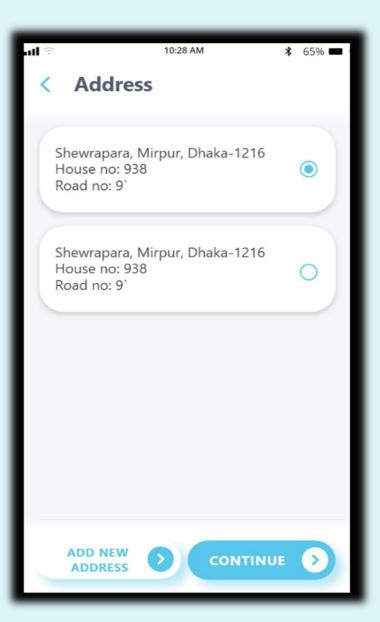## ➢ LOGIN :-
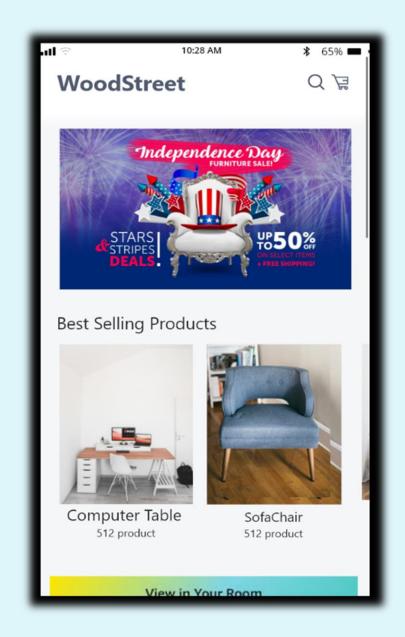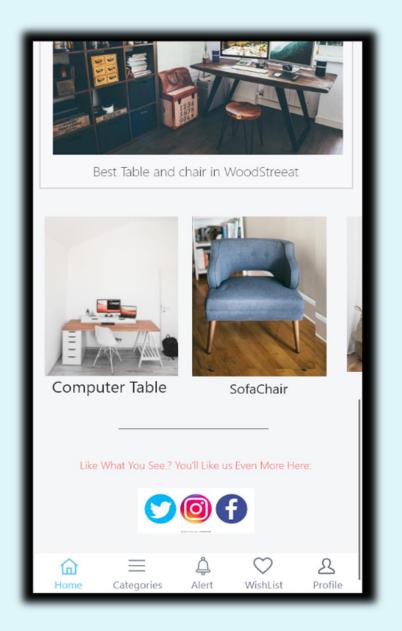
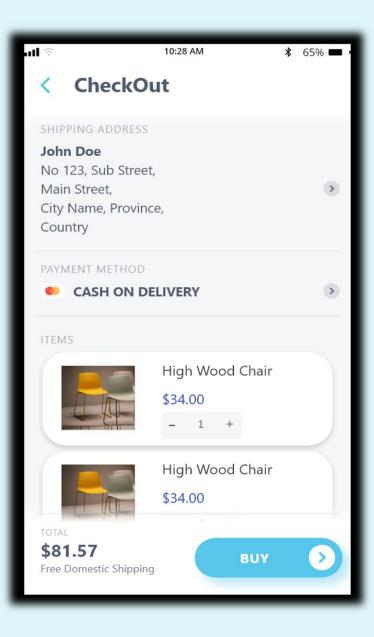## ➢ SIGN UP:-

➤ HOME PAGE:-

➢ **DETAILS OF PRODUCT:-**

➢ ADDRESS DETAILS:-

➢ CART:-

CONCLUSION

➤ IT WAS A WONDERFUL AND LEARNING EXPERIENCE FOR US WHILE WORKING ON THIS PROJECT. THIS PROJECT TOOK US THROUGH THE VARIOUS PHASES OF PROJECT DEVELOPMENT AND GAVE US REAL INSIGHT INTO THE WORLD OF SOFTWARE AND PROGRAMMING. THE JOY OF WORKING AND THE THRILL INVOLVED WHILE TACKLING THE VARIOUS PROBLEMS AND CHALLENGES GAVE US A FEEL OF DEVELOPER'S INDUSTRY.

➤ I SINCERELY THANKS TO MY PARENTS, GROUP MEMBERS, INTERNAL GUIDE I.E. <u>PROF. BHARTI SHAH</u>, EXTERNAL GUIDE <u>JAINAM JHAVERI</u> AND OTHER FACULTY MEMBERS AND GLS FACULTY OF COMPUTER APPLICATIONS & IT FOR THEIR SOLE SUPPORT AT EVERY STEP OF THIS PROJECT.

THANK YOU..!