

Green Sphere

Problem: Having trouble to make space to grow plants on before planting out plus expense of pots/compost

Solution: Plant adoption system with ordering plants online

Abstract:

Many people started to grow plants in their terrace garden after Covid. After spending time by growing plants in their terrace, they feel so calm and relaxed. So they used online platform to purchase plants and fertilizers. But some people cannot have space to grow veggies or trees in their home, apartment due to less space. Also many websites do not sell natural fertilizers and native seeds. To overcome this issue, we introduce **green sphere** system by adopting plants through online along with a chance to visit their adopted tree. And also they can purchase indoor and outdoor plants, fertilizers, monthly gardening kit through it.

Types of Users:

1. Customers
2. Farmers
3. Delivery Partners
4. Admin

Modules:

Customer module:

Customer can be registered with the green sphere

Customer can be select type of the membership

Membership

1. Plant adoption

They will be submitting their identities for verification process

Complete the payment process for membership

Adapt any trees in the list

Receive certificate

See their tree anytime

Cancel their membership after 6 month

2. Monthly gardening kit

Complete the payment process for membership

Receive monthly kit

Cancel anytime

Get Customer support

Get help and guidance from green sphere

Farmer module:

Farmer can be registered with the green sphere

Farmer can be select the membership

Membership

1. Support for Plant adoption

Submitting their identities for verification process

Tie up with green sphere for growing plants in their property

Complete the payment process for membership

Get gardening kit from green sphere

Grow trees for customers with local volunteers

Cancel their membership after 6 month

2. Selling saplings and fertilizers

Submitting their identities for verification process

Complete the payment process for membership

Transfer their saplings and fertilizers to green sphere customers from their place

Receive payment from green sphere

Get Customer support

Get help and guidance from green sphere

Delivery Partners Module:

Tie up with green sphere

Deliver products to the customer

Receive plants from farmers to green sphere

Maintain customer relationship with green sphere

Admin module:

Update products details everyday

Update order details to green sphere team

Post offers and discounts of the products

Maintain customer relationship with delivery partners and customers

Functionalities:

Types of product:

- Plants
- Seeds
- Fertilizers

Package farmer_pg

{

Class plants

{

Public void herbal()

{

//process

Print(55)

}

Public void croton()

{

//process

Print(55)

}

}

Class fertilizers

Public void compost()

{

//process

Print(55)

}

Public void booster()

```

        {
            //process
            Print(55)
        }
    }
}

Class program
{
    Plant plt=new plants();
    Plt.herbal();
}

}

```

Output:

Bill: 55

Package customer_pg

```

{
    Class adopt
    {
        Public void membership()
        {
            //payment process
            Print(365)
        }
    }

    Class garden_kit
    Public void membership()
    {

```

```

        //payment process
        Print(365)
    }
}

Class program
{
    Plant plt=new adopt();
    Plt.membership();
}
}

```

Output:

Paid: **365**

Package admin_pg

```

{
    Class update
    {
        Public void plant_up()
        {
            // process
            Print(Added)
        }
    }

    Class offers
    Public void post()
    {
        //process
        Print(added)
    }
}

```

```
    }  
}
```

Class orders

```
    public void complete()  
    {  
        // process  
        Print(Received)  
    }  
}
```

Class program

```
    {  
        Plant plt=new offers();  
        Plt.post();  
    }  
}
```

Output:

Process: **Added**

Workflow:**Farmer module:**

1. Sign up
2. Update their personal profile
3. Verify their identities such as adhaar card, pan card details (for selling)
4. Post plant images, price and description
5. Update property details with images (for adaptation)
6. Verify their farmer card details

Customer Module:

1. Sign up
2. Update their personal profile
3. Verify their identities such as adhaar card, pan card details (for adaptation)
4. Can be purchase plants or fertilizers or seeds (for Non membership)
5. Complete payment process through COD or net banking or google pay
6. Receive order


Admin Module:


1. Sign up
2. Update product info
3. Update order info
4. Update offer and discounts

Wire frame:


Main page

Green Sphere

[Home](#)[Store](#)[About Us](#)[Contact Us](#)[Adopt](#)[Login](#)




Featured Products




Ajwain plant
Rs. 55/-

[Add to cart](#)



Bone Meal
Rs. 55/-

[Add to cart](#)





Balsam plant
Rs.55/-

[Add to cart](#)

Product page

Green Sphere

[Home](#)[Store](#)[About Us](#)[Contact Us](#)[Adopt](#)[Login](#)



Ajwain Plant

Rs. 55/-

Description:

Secure transport

[Buy Now](#)[Add to cart](#)

For farmers

Green Sphere

[Home](#)[Store](#)[About Us](#)[Contact Us](#)[Adopt](#)[Login](#)

Choose Membership

Grow adopted plant

Free for first month and pay Rs.100/month

Sell plants and fertilizers

Free for first month and pay Rs.150/month

Registration for selling

Green Sphere

Home

Store

About Us

Contact Us

Adopt

Login



Seller Registration

Sign up with google

Or

Sign up with Email



Register as a Seller

Name

Email

Phone No

Password

☐ Remember Password

☐ Agree [Terms and Conditions & Privacy Policy](#)

Sign up

Cancel

Already have an account? [Login](#)

Green Sphere

[Home](#)[Store](#)[About Us](#)[Contact Us](#)[Adopt](#)[Login](#)

Seller Login

Email

Password


[Login](#)[Cancel](#)

Forgot [Password](#)

Create an account [Login](#)

Add personal details

Green Sphere

[Home](#)[Store](#)[About Us](#)[Contact Us](#)[Adopt](#)[Login](#)

Seller Information

Address

Enter address

State

Enter state

Pincode

Enter pincode

Adhaar No

Enter adhaar no

Upload adhaar

Choose a file

Pan Card No

Enter pan card no

Upload Pan card


Choose a file

Submit

Cancel

Add product information

Green Sphere

[Home](#)[Store](#)[About Us](#)[Contact Us](#)[Adopt](#)[Login](#)

Product Information

Plant or Fertilizer Name

Plant Type

Description

Price

Upload Image

Choose a file

[Submit](#)[Cancel](#)

User registration for growing adopted plant

Green Sphere

Home

Store

About Us

Contact Us

Adopt

Login



User Registration

Sign up with google

Sign up with Facebook

Or

Sign up with Email



Register as a Seller

Name

Email

Phone No

Password

☐ Remember Password

☐ Agree [Terms and Conditions & Privacy Policy](#)

Sign up

Cancel

Already have an account? [Login](#)



Seller Login

Email

Password

Forgot [Password](#)

Create an account [Login](#)

Add personal details

Green Sphere

Home

Store

About Us

Contact Us

Adopt

Login



Personal Information

Address

Enter address

State

Enter state

Pincode

Enter pincode

Adhaar No

Enter adhaar no

Upload adhaar

Choose a file

Pan Card No

Enter pan card no

Upload Pan card

Choose a file

Property Tax No

Enter pan card no

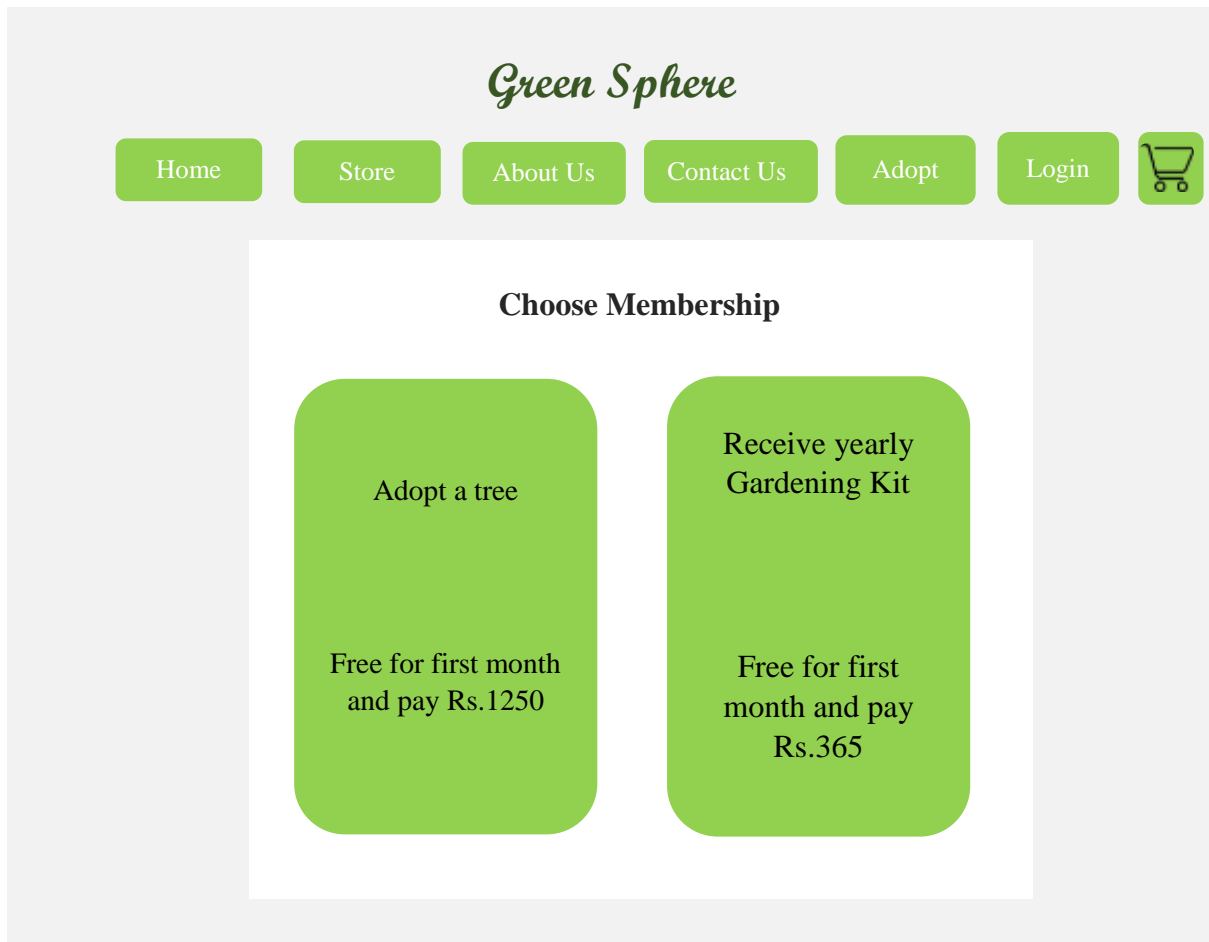
Upload Property tax receipt

Choose a file

Submit


Cancel

For customers



User registration for customers

Green Sphere

[Home](#)[Store](#)[About Us](#)[Contact Us](#)[Adopt](#)[Login](#)

User Registration

Sign up with google

Sign up with Facebook

Or

Sign up with Email



Register as a customer

Name

Email

Phone No

Password

☐ Remember Password

☐ Agree [Terms and Conditions & Privacy Policy](#)

Sign up

Cancel

Already have an account? [Login](#)

Green Sphere

[Home](#)[Store](#)[About Us](#)[Contact Us](#)[Adopt](#)[Login](#)

Login

Email

Password


[Login](#)[Cancel](#)

Forgot [Password](#)

Create an account [Login](#)

Adding products into the cart

Green Sphere

[Home](#)[Store](#)[About Us](#)[Contact Us](#)[Adopt](#)[Login](#)


Your cart

S.No	Products	Price	Qty	Sub Total
1	Avacado Plant	300	1	300
2	Neem Astra	150	3	450
Total Amount				750

Proceed to Pay

Add personal details for adopting a tree

Green Sphere

[Home](#)[Store](#)[About Us](#)[Contact Us](#)[Adopt](#)[Login](#)

Personal Information

Address

Enter address

State

Enter state

Pincode

Enter pincode

Adhaar No

Enter adhaar no

Upload adhaar

Choose a file

Pan Card No

Enter pan card no


Upload Pan card

Choose a file

[Submit](#)[Cancel](#)

Add personal information to receive gardening kit and buying plants from greensphere

Green Sphere

[Home](#)[Store](#)[About Us](#)[Contact Us](#)[Adopt](#)[Login](#)

Personal Information

Address

State

Pincode

Mobile No

[Submit](#)[Cancel](#)

Admin Panel

Admin Corner

[Home](#)[Orders](#)[Queries](#)[Load Data](#)[Login](#)

Admin Registration

Name

Email

Password

Repeat Password

☐ Remember Password

[Sign up](#)[Cancel](#)

Already have an account? [Login](#)

Admin Corner

[Home](#)[Orders](#)[Queries](#)[Load Data](#)[Login](#)

Admin Login

Email

Password

Forgot [Password](#)

Create an account [Login](#)

Add offer details

Admin Corner

[Home](#)[Orders](#)[Queries](#)[Load Data](#)[Login](#)

Offer and Discount Information

Offer or Discount Name

Enter name

Upload Image

Choose a file

[Submit](#)[Cancel](#)

Order details

Admin Corner

[Home](#)[Orders](#)[Queries](#)[Load Data](#)[Login](#)

S.No	Buyer Name	Order Id	Product List	Total	Order date	Delivery date	Address
1	Abs	34535	Egg shell powder	55	17/3/22	21/3/22	Chennai
2	Acs	98895	Neem Astra	155	18/3/22	25/3/22	Hosur

Database design:

User_master

User_id

SP1

SP2

SP3

SP4

User_type

Farmers

Customers

Delivery partners

Admin

Registration

username

Phone_no(PK)

Email_id

Address 1

Address 2

Password

User_type_id

Farmer_type_master

Type_id

Type_name

Product_category_master

Category_id

1

2

3

Category_name

Plants

Seeds

Fertilizers

Farmer_profile_info

Farmer_Id(PK)

Company_name

Type_Id(FK)

Pan_id
Pan_validity
Adhaar_id
Adhaar_validity

Plant_master

Plant_id(PK)
Plant_name
Category_id(FK)
Type_Id(FK)

Farmers_product

Farm_prd_id(PK)
Farmer_id(FK)
Plant_id(FK)
Plant_name
Price
Imge
Description

customer_profile_info

cus_Id(PK)
cus_name
mob_no(FK)
Pan_id
Pan_validity
Adhaar_id
Adhaar_validity
Cus_address

Order_info

Order_id(PK)

Order_date
Customer_name
Customer_email
Customer_mob_no
Customer_address
Customer_orders
Total_amt

delivery_profile_info

del_Id(PK)
del_name
mob_no(FK)
Pan_id
Pan_validity
Adhaar_id
Adhaar_validity
del_address