**Green Sphere**

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

**Solution:** Plant adoptation 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 dis 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 adoptation

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 adoptation

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 fetilizers

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**

About Us

Adopt

Contact Us

Home

Store

Login

Green Sphere

**Add to cart**

**Ajwain plant**

**Rs. 55/-**

**Add to cart**

**Bone Meal**

**Rs. 55/-**

**Add to cart**

**Balsam plant**

**Rs.55/-**

Featured Products

**Product page**

About Us

Adopt

Contact Us

Home

Store

Login

Green Sphere

**Buy Now**

**Rs. 55/-**

**Add to cart**

**Ajwain Plant**

**Description:**

Secure transport

**For farmers**

About Us

Adopt

Contact Us

Home

Store

Login

Green Sphere

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

**Choose Membership**

**Registration for selling**

About Us

Adopt

Contact Us

Home

Store

Login

Green Sphere

Sign up with google

Sign up with Email

**Seller Registration**

Or

About Us

Adopt

Contact Us

Home

Store

Login

Green Sphere

Enter Name

**Cancel**

**Sign up**

Name

**Register as a Seller**

Enter email

Email

Enter phone no

Phone No

Enter password

Password

Already have an account? Login

Agree Terms and Conditions & Privacy Policy

Remember Password

About Us

Adopt

Contact Us

Home

Store

Login

Green Sphere

Enter email

Cancel

Login

Email

**Seller Login**

Enter password

Password

Create an account Login

Forgot Password

**Add personal details**

About Us

Adopt

Contact Us

Home

Store

Login

Green Sphere

Enter address

Cancel

Submit

Address

**Seller Information**

State

Enter pincode

Pincode

Enter adhaar no

Adhaar No

Enter state

Enter pan card no

Pan Card No

Upload adhaar

Choose a file

Upload Pan card

Choose a file

**Database design:**

Choose an item.

**Add product information**

About Us

Adopt

Contact Us

Home

Store

Login

Green Sphere

Enter product name

Cancel

Submit

Plant or Fertilizer Name

**Product Information**

Plant Type

Enter description

Description

Enter price

Price

Ex: Herbal or Croton or Vegetable

Choose a file

Upload Image

**User registration for growing adopted plant**

About Us

Adopt

Contact Us

Home

Store

Login

Green Sphere

Sign up with google

Sign up with Facebook

Sign up with Email

**User Registration**

Or

About Us

Adopt

Contact Us

Home

Store

Login

Green Sphere

Enter Name

Cancel

Sign up

Name

**Register as a Seller**

Enter email

Email

Enter phone no

Phone No

Enter password

Password

Already have an account? Login

Agree Terms and Conditions & Privacy Policy

Remember Password

About Us

Adopt

Contact Us

Home

Store

Login

Green Sphere

Enter email

Cancel

Login

Email

**Seller Login**

Enter password

Password

Create an account Login

Forgot Password

**Add personal details**

About Us

Adopt

Contact Us

Home

Store

Login

Green Sphere

Enter address

Cancel

Submit

Address

**Personal Information**

State

Enter pincode

Pincode

Enter adhaar no

Adhaar No

Enter state

Enter pan card no

Pan Card No

Upload adhaar

Choose a file

Upload Pan card

Choose a file

Enter pan card no

Property Tax No

Upload Property tax receipt

Choose a file

**For customers**

About Us

Adopt

Contact Us

Home

Store

Login

Green Sphere

Adopt a tree

Free for first month and pay Rs.1250

Receive yearly Gardening Kit

Free for first month and pay Rs.365

**Choose Membership**

**User registration for customers**

About Us

Adopt

Contact Us

Home

Store

Login

Green Sphere

Sign up with google

Sign up with Facebook

Sign up with Email

**User Registration**

Or

About Us

Adopt

Contact Us

Home

Store

Login

Green Sphere

Enter Name

Cancel

Sign up

Name

**Register as a customer**

Enter email

Email

Enter phone no

Phone No

Enter password

Password

Already have an account? Login

Agree Terms and Conditions & Privacy Policy

Remember Password

About Us

Adopt

Contact Us

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Store

Login

Green Sphere

Enter email

Cancel

Login

Email

**Login**

Enter password

Password

Create an account Login

Forgot Password

**Adding products into the cart**

About Us

Adopt

Contact Us

Home

Store

Login

Green Sphere

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

**Your cart**

**Proceed to Pay**

**Add personal details for adopting a tree**

About Us

Adopt

Contact Us

Home

Store

Login

Green Sphere

Enter address

Cancel

Submit

Address

**Personal Information**

State

Enter pincode

Pincode

Enter adhaar no

Adhaar No

Enter state

Enter pan card no

Pan Card No

Upload adhaar

Choose a file

Upload Pan card

Choose a file

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

About Us

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Contact Us

Home

Store

Login

Green Sphere

Enter address

Cancel

Submit

Address

**Personal Information**

State

Enter pincode

Pincode

Enter mobile no

Mobile No

Enter state

**Admin Panel**

Queries

Load Data

Home

Orders

Login

Admin Corner

Enter Name

Cancel

Sign up

Name

**Admin Registration**

Enter email

Email

Enter Password

Password

Enter repeat password

Repeat Password

Already have an account? Login

Remember Password

Queries

Load Data

Home

Orders

Login

Admin Corner

Enter email

Cancel

Login

Email

**Admin Login**

Enter password

Password

Create an account Login

Forgot Password

**Add offer details**

Queries

Load Data

Home

Orders

Login

Admin Corner

Enter name

Cancel

Submit

Offer or Discount Name

**Offer and Discount Information**

Choose a file

Upload Image

**Order details**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **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 |

Queries

Load Data

Home

Orders

Login

Admin Corner

**Database design:**

|  |  |
| --- | --- |
| **User\_master** | |
| **User\_id** | **User\_type** |
| SP1 | Farmers |
| SP2 | Customers |
| SP3 | Delivery partners |
| SP4 | 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 | Category\_name |
| 1 | Plants |
| 2 | Seeds |
| 3 | 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 |