A

Project Report on

# “NurseryKart ”

##### Submitted in partial fulfillment of the requirements of PG- Diploma in Advanced Computing



Submitted By

PG-DAC

March 2023 Btach

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**CERTIFICATE**

This is to certify that the Report work entitled

# “NurseryKart”

Has been duly completed by the following students under my

guidance, in a satisfactory manner as a partial fulfillment of the requirement for the award of the E- Diploma in Advanced Computing, Delhi



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**Declaration**

I declare that this written submission represents our ideas in our own words and where others' ideas or words have been included, we have adequately cited and referenced the original sources. We also declare that we have adhered to all principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea/data/fact/source in my submission. We understand that any violation of the above will be cause for disciplinary action by the Institute and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been taken when needed.

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## ABSTRACT

In the digital age, the world of commerce has transcended traditional boundaries, giving rise to innovative platforms that cater to diverse consumer needs. The emergence of e-commerce has revolutionized the way people shop, allowing them to explore and purchase products from the comfort of their homes. Among these evolving trends, the “NurseryKart” online plant store has emerged as a distinctive niche, appealing to individuals seeking to bring the beauty of nature into their living spaces.

"NurseryKart" is an innovative online platform designed to revolutionize the way people purchase plants. Through this website, users can conveniently browse and buy a wide variety of plants from the comfort of their homes, offices, and other places . NurseryKart offers a user-friendly interface that showcases an extensive collection of plants, each accompanied by detailed descriptions and images to aid in the selection process. This platform aims to bridge the gap between plant enthusiasts and quality greenery by providing a seamless online shopping experience, With NurseryKart, individuals can effortlessly bring the beauty of nature into their lives, fostering a deeper connection with the environment. It will saves time and energy You don't have to waste your time going to stores, dealing with crowds, and standing in lines.

The conclusion is in proposing system “NurseryKart” Online Plant Shopping it should satisfies both the customers. Admin should play the crucial role in this system Admin should maintain the information about the plant details ,order details and delivery reports.

## CHAPTER 2

#### Introduction

The main idea of this project is to provide flexible and convenient way for user to access website and browse a wide variety of indoor and outdoor plants for planting. NurseryKart platforms can be used by a wide range of different species of plants, including indoor décor plants, outdoor plants, shrubs plants, flowering plants. NurseryKart is coming with keeping all of Plants requirement for purchase and deliver to home with a instructions to how nurture them with care and love.

#### Description

NurseryKart is an Online E-commerce Platform for purchasing plants. NurseryKart platforms can be used by a wide range of different species of plants, including indoor décor plants , outdoor plants, shrubs plants, flowering plants. Admin can create, update and delete users details , and also can manage task related to adding new plants , updates, and product description . User can access the site through registering on it and on successful registration will also receive email. User can then login through their credentials to browse different plants which are arranged as a module wise on the portal like Indoor décor plants, outdoor plants, shrubs plants, flowering plants and etc. User can check with the subscribe option to get update with fresh arrivals of plants and products. User can check with the products to cart and order them to purchase. Every product will come with description about the plants details, their requirents for planting , care, etc. We have also kept the blog page for users to get updated blog about the plants and benefits for plant love.

#### Problem Formulation

In today’s world when everything is shifting towards E-platform, E-shopping can take place literally everywhere and at any time for user to browse, purchase, products. Selling and purchasing required a visit to shop, mart, places, and then choose and purchase .It is a time consuming and in today’s era everyone is scheduled with time busy .Also in city its typical to look for a nursery shop nearby because of large amount of areas to be needed for nursery and planting .

#### Motivation

Idea behind developing this website is to bring people close with nature and selling them plants at their doorstep just by one click with our website. Today everything is coming with the online platform to sell different varities of product and we get an idea for selling with plants and related products . Selling plants cannot only give a financial strength , it also could help our mother earth to make green eco-system and maintain geographical global warming control.

#### Proposed System

NurseryKart is an online platform designed to facilitate selling of plants through the use of digital technologies. The proposed system of an NurseryKart platform should include the following components:

**User Interface:** The user interface should be intuitive and easy to use. The platform should be designed to accommodate users with Varities of plants.

**Content Management:** The NurseryKart platform should have a content management system that allows for the easy creation, uploading, and management of various types of plants . This could include plants details, care guide for plants ,requirement for planting.

**User Management:** The system should have a user management system that allows for easy registration, login, and authentication. It should also provide browsing, adding, and view purchasing plants from website.

#### Scope

NurseryKart platforms are used in selling and purchasing plants for user to purchase and seller to sell through portal. Website offer flexible, veriety and wide range for indoor plants, décor plants, shrubs plants, and flowering plants.It also provide blogs and updates regarding benefits , news article, to get know about plants.

User can access the site through registering on it and on successful registration will also receive email. User can then login through their credentials to browse different plants which are arranged as a module wise on the portal like Indoor décor plants, outdoor plants, shrubs plants, flowering plants and etc. User can check with the subscribe option to get update with fresh arrivals of plants and products. User can check with the products to cart and order them to purchase. Every product will come with description about the plants details, their requirents for planting , care, etc. We have also kept the blog page for users to get updated blog about the plants and benefits for plant love.

## CHAPTER 3

**System Analysis**

## Functional Requirements

### Login of Admin

* + - * The Admin will be able to manage all the users.
      * The Admin will be able to view, add and delete users.
      * The Admin will be able to view all plants and products.
      * The Admin will be able to view blogs and update blogs.
      * Can change password

### Login of User

* + - * The user will be able to get registered and login.
      * The user will be able to view the products.
      * The user will get subscription updates.
      * The user will be able to add to cart and purchase product .
      * The user will be able to change password and update address details.

## Non-functional Requirements

##### Performance Requirements

The system should store all the database records of plants , products, cart, order ,purchase, subscribe update should be available for use 24\*7through the server. Also, the application should be user friendly with a proper user interface which makes it easy for the user to browse and shopping with products. All the options should be present in properly accessible places for smooth shopping experience .

##### Safety Requirements

All login ids and passwords of the admin, and user should be protected for privacy using whatever constraints required in the database or the application.

##### Security Requirements

All passwords of the administrators should be protected for privacy using whatever constraints required in the database or the application. The database should be protected from attacks and unauthorized access. The interface should be protected from attacks. All passwords should be stored as a secure hash of the administrator password.

## Software Quality Attribute

3.3.2 Availability

The system should run on a variety of operating systems that support the buit software and run them. The system should run on a variety of hardware.

* + 1. Accessibility

The software will be accessible to admin.

* + 1. Compatibility

The software will be compatible with multiple platforms.

* + 1. Durability

The software will be tested for working with multiple users.

* + 1. Effectiveness

The software will be made to handle operations effectively.

* + 1. Maintainability

The system should be easy to maintain. There should be a clear separation between the interface and the business logic code. There should be a clear separation between the data.

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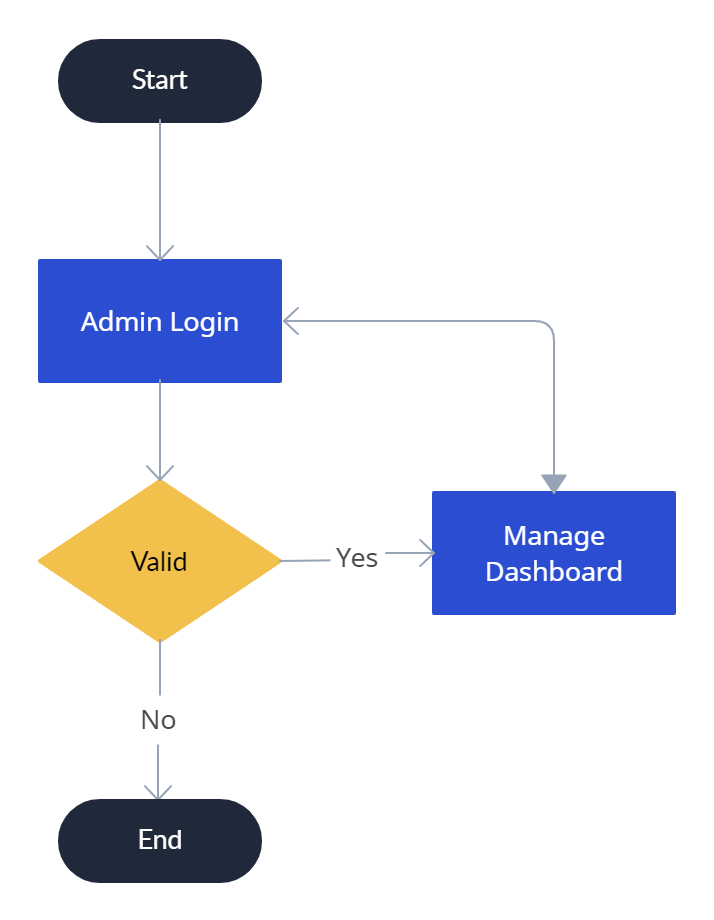
## CHAPTER 4

#### Analysis Modeling

**4.1 Use Case Diagram: -**



**Flow Chart :**

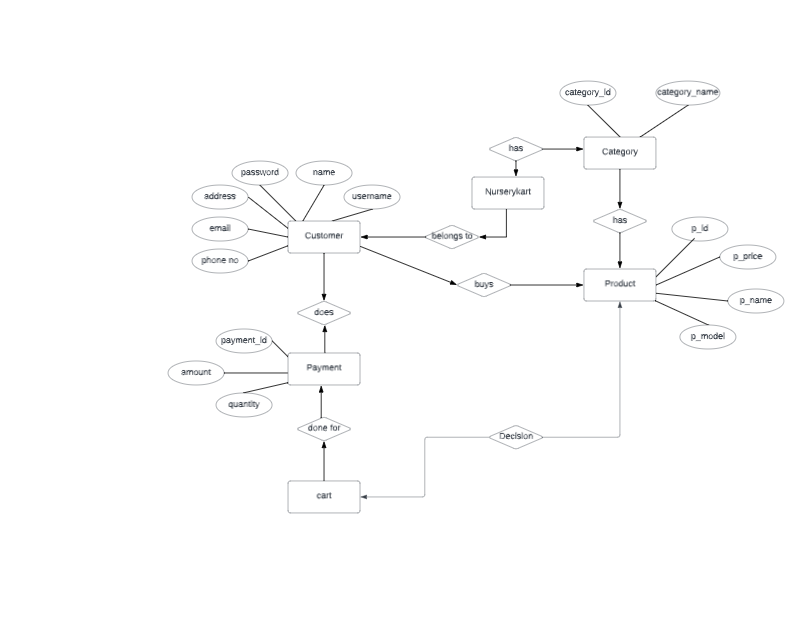
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# CHAPTER 5

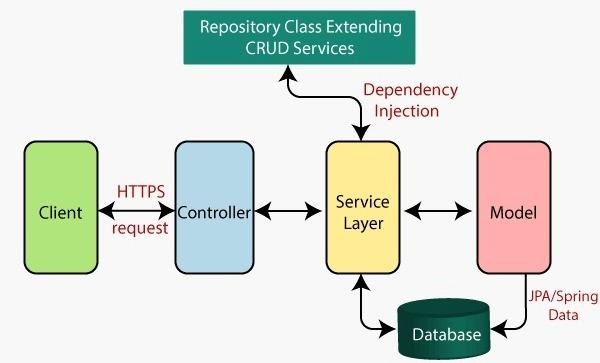
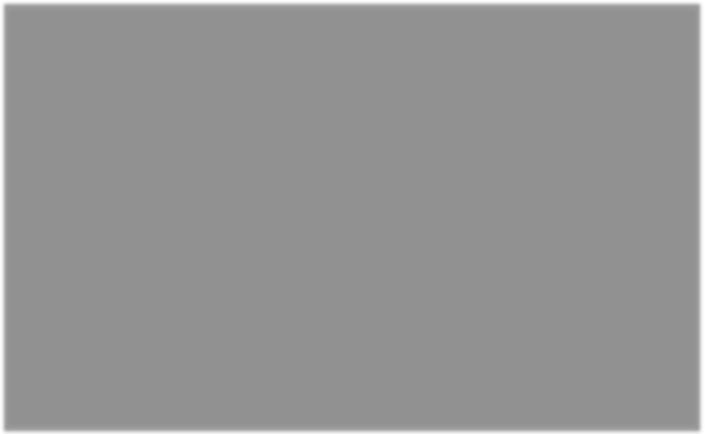
## DESIGN

* 1. **Data Modeling :**

ER Diagram :

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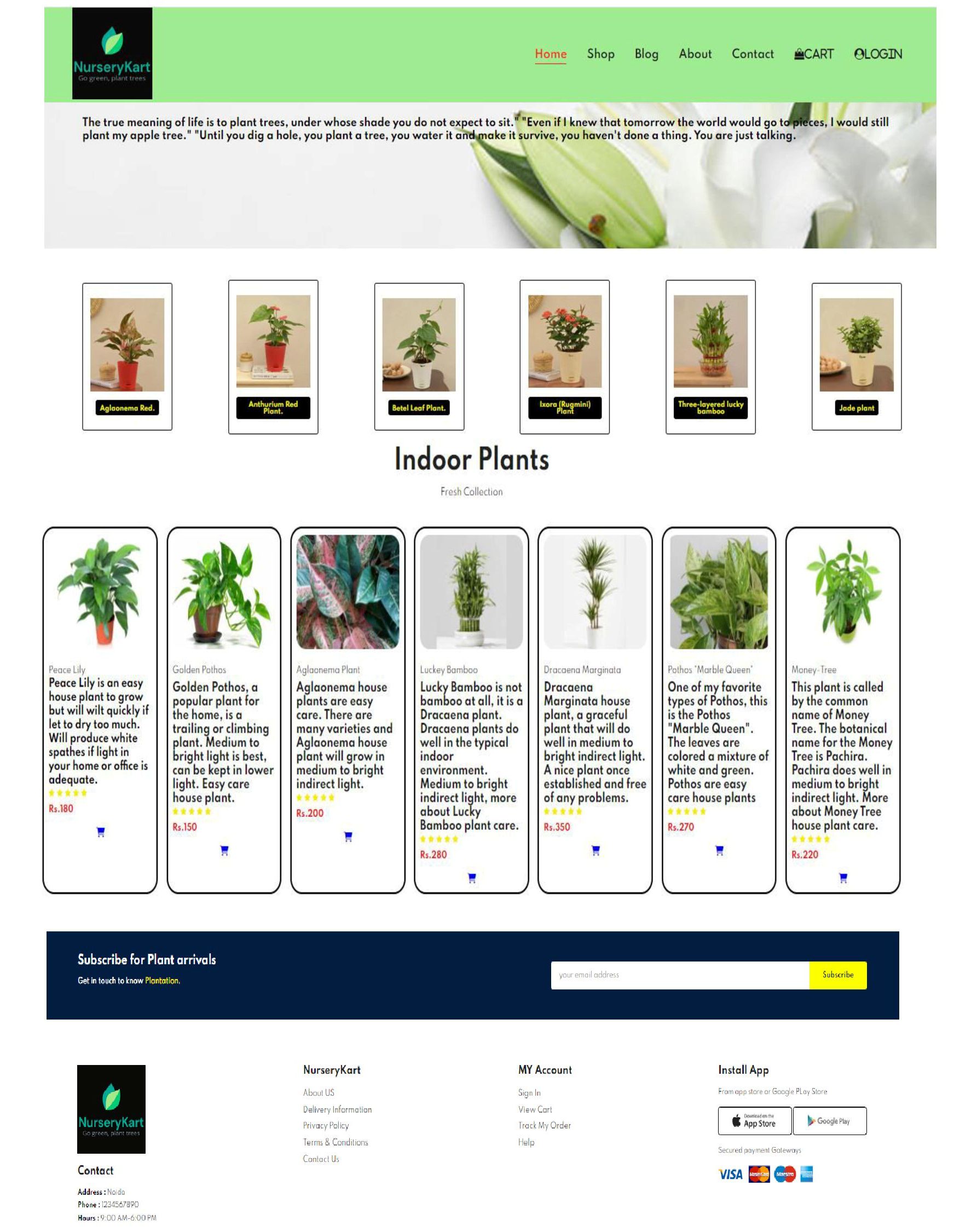
* 1. **Architectural Design**



## User Interface Design(GUI):

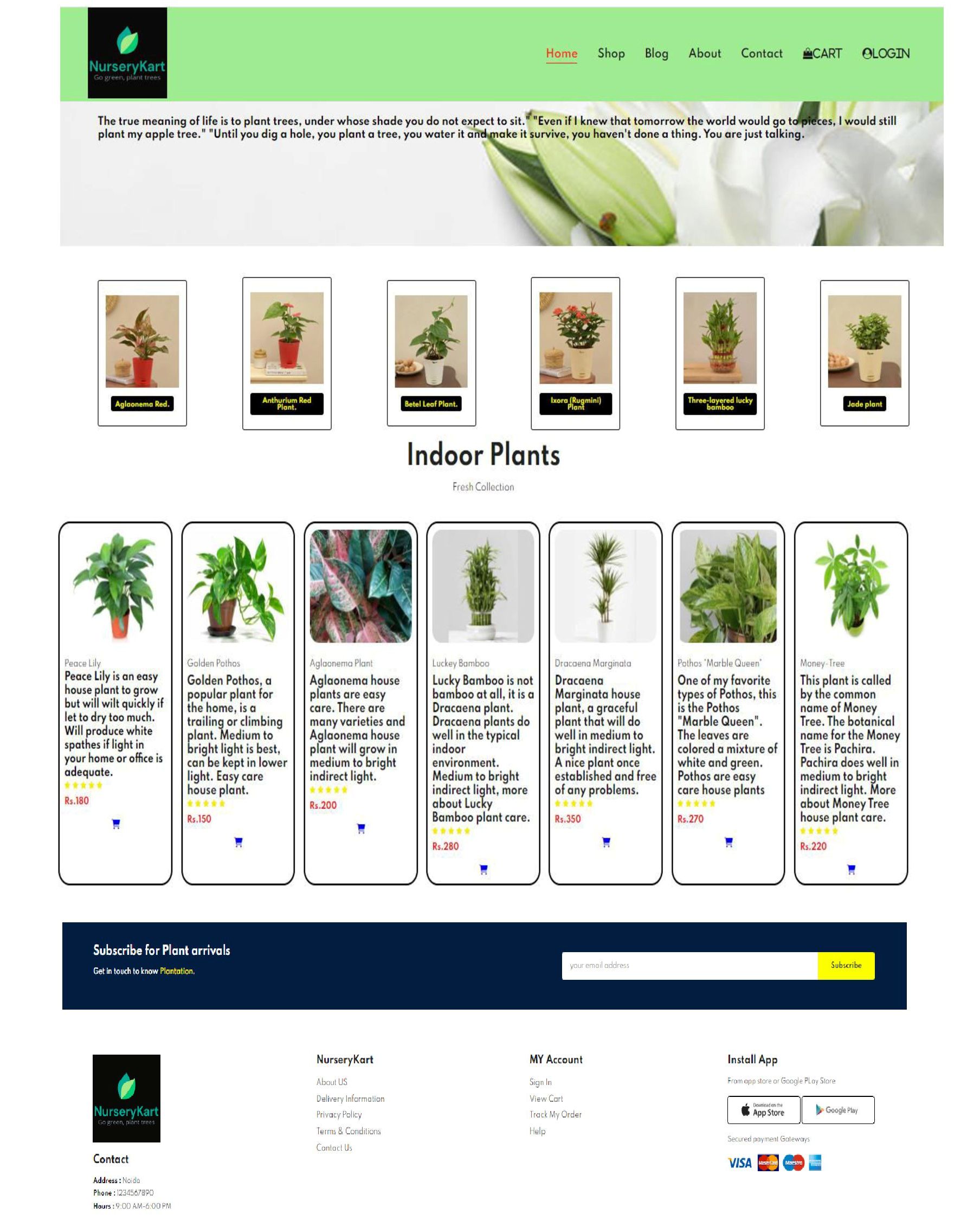
Home Page :

This is the home page of our website NurseryKart.In our home page we have Provided with the veriety of plants,shop, about,contact ,cart,and login .On home page user can also subscribe with e-mail providing for plants updates.Other features included in our home page is the hyperlinks to different pages with easy traverse for browse and check .



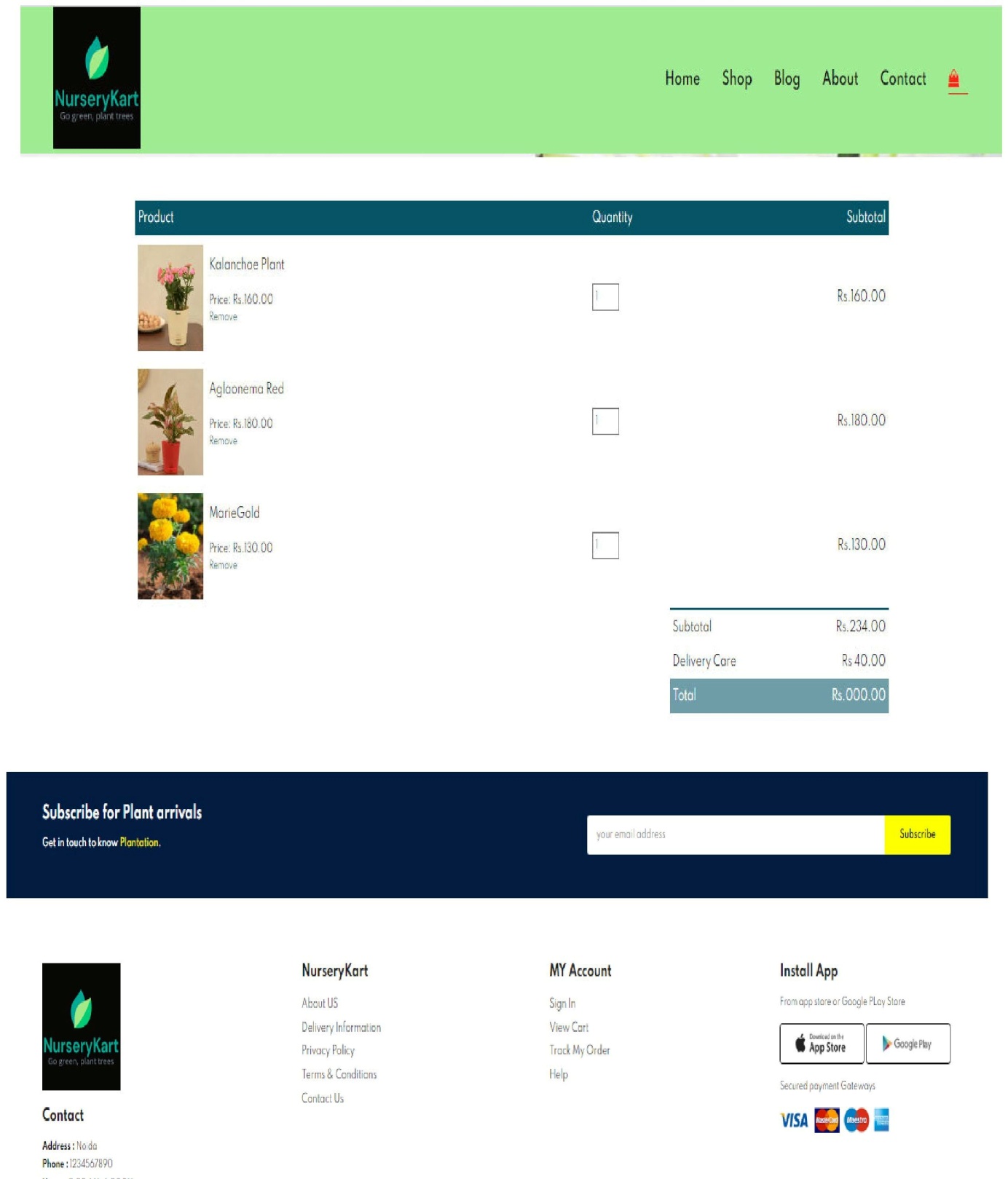
Shop Page :

The shop page show all the products to be add in the database for the new user to able to purchase from the website . After selecting and adding to cart and proceed further for purchase the productThe product are categorized into its type.



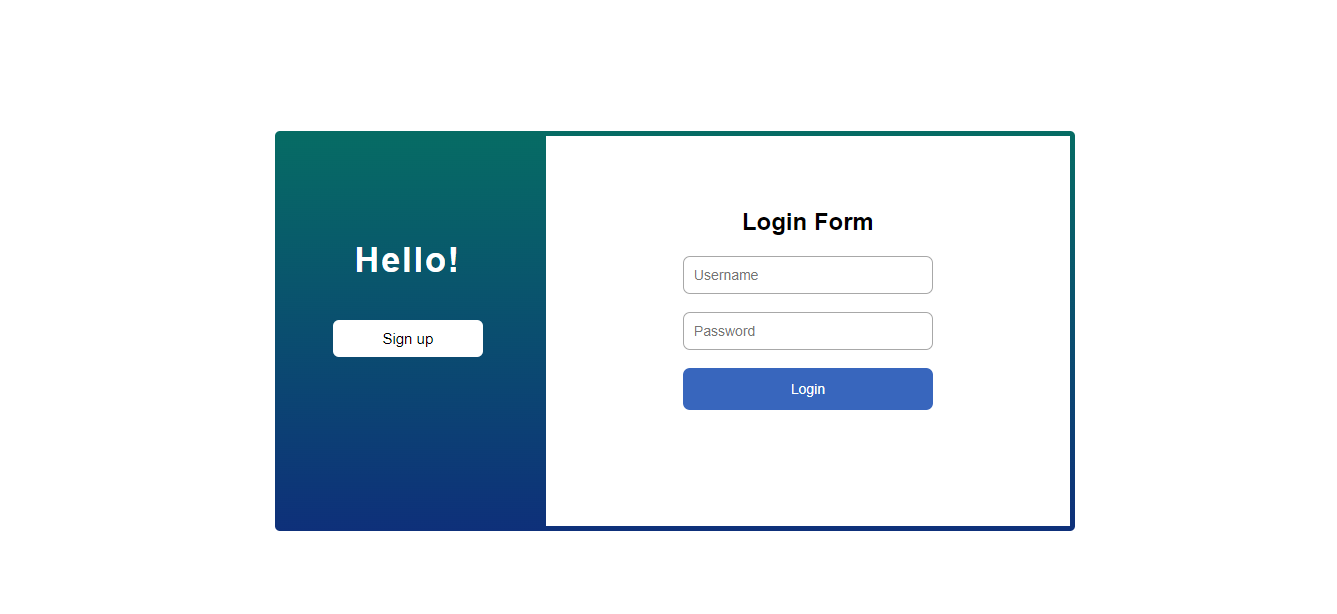
Cart Page :

Cart page is collection of selected plants and ready to purchase further.



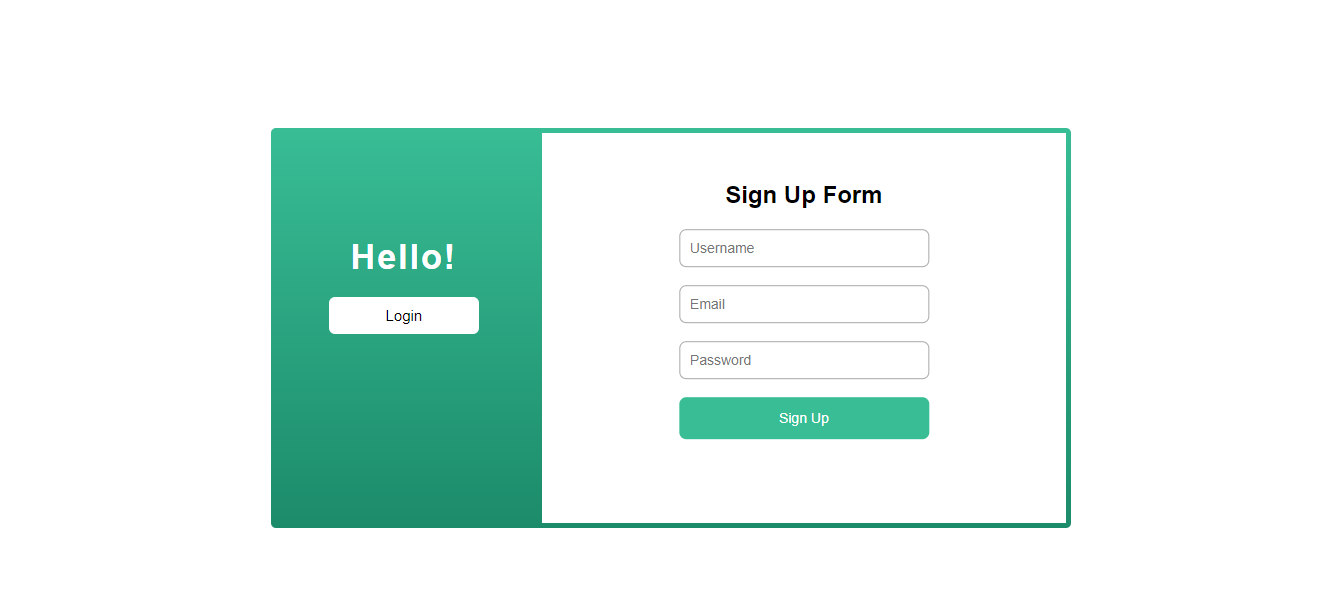
Login Page :

The sign-in page is shown below which has the username, password.Correct username, password will allow the user to login into the account. If the user will fail to put correct details the system will not allow to login, and the pop-up of Invalid username and password will be generated. Also, there is a reference link given for the user if the user forgot their password and can change their password through email otp veriffication.



## Sign up Page:

User will sign-up with basic credentials with their username , name , and password to create an account and after that user can login easily with same credentials.

****

#### TESTING

6.1 Type of Testing used

**Alpha Testing: -**

Alpha testing allows the team to test the software in a real-world environment. One of the reasons to do alpha testing is to ensure the success of the software product. Alpha testing validates the quality, functionality of the software, and effectiveness of the software before it released in the real world. It is the most common type of testing used in the Software industry. The objective of this testing is to identify all possible issues or defects before releasing it into the market or to the user.

#### Results and Discussions

The main idea of Nurserykart platform is to provide a digital platform where users can access website and see products and purchase anytime and anywhere using the internet. The platform can be designed to offer a variety of plants and can include range for indoor and outdoor plants for their homes, gardens, park and gifts also. The purpose of an Nurserykart is to more accessible, flexible, and cost-effective for user to purchase plants, which can help to make earth green and make .

* Finding a plant online is much easier than looking for it in the local store..
* It is easier to find rare plants Shopping online is very useful in buying rare plants
* Plants are often more inexpensive . Plants are often cheaper online than they are in stores. There are several reasons for this.
* saves time and energy You don't have to waste your time going to stores, dealing with crowds, and standing in lines

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## CHAPTER-8

#### Conclusions

The conclusion is in proposing system “Nurserykart” Online Plant Shopping it should satisfies both the customers. Admin should play the crucial role in this system Admin should maintain the information about the plant details ,order details, and delivery reports.

Working on this project was fun and insightful at the same time as we got to learn a lot of things.

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#### FUTURE SCOPE OF THE PROJECT

The project is easily extensible and can be improved by further incremental releases of the same. In future we come with mobile application version to support and selling of plants accessories along with the plants.

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## Appendix

* MySQL is an open-source relational database management system (RDBMS).
* Spring Boot is an open-source Java-based framework used to create microservices.
* Java Persistence API. It’s a specification which is part of Java EE and defines an API for object-relational mappings and for managing persistent objects.
* Spring Tool Suite is an Eclipse-based development environment (IDE) to develop spring applications. It provides a ready-to-use environment to implement, run, deploy and debug the application.