# Grow Green

**Aditi Kabra[1] Avani Maheshwari[2] Adarsh Vaishnav[3] Kavita Namdev[4] Nidhi Choubey[5]**
[1,2,3]Student [4,5]Assistant Professor
[1,2,3,4,5]Department of Computer Science and Engineering
[1,2,3,4,5]Acropolis Institute of Technology and Research, Indore, India

*Abstract—* An online plant selling or nursery shopping system that permits a customer to submit online orders for items and/or services from a store that serves both walk-in customers and online customers. The online shopping system presents an online display of an order cut off time and an associated delivery window for items selected by the customer. The system accepts the customer's submission of a purchase order for the item in response to a time of submission being before the order cut off time. This online nursery shopping system does not settle with a credit supplier of the customer until the item selected by the customer is picked from inventory but before it is delivered. Therefore, the customer can go online and make changes to the order. In addition, available service windows are presented to the customer as a function of customer selected order and service types and further, the order of different kind of plants picking is assigned in accordance with a picker's preference. When ordering goods, many shopping systems provide a virtual shopping cart for holding items selected for purchase. Successive items selected for purchase are placed into the virtual shopping cart until a customer completes their shopping trip. Virtual shopping carts may be examined at any time, and their contents can be edited or deleted at the option of the customer. Once the customer decides to submit a purchase order of their preferred plants, the customer may print the contents of the virtual shopping basket in order to obtain a hard copy record of the transaction. Hence in busy schedule one can purchase the plant of their own choice and our website also provide the facility of home delivery, So that one can get their favourite plants at home and can move one step forward to make this earth greener and healthier.

*Keywords:* Customer, Admin, Login, Product, Order, Payment

## I. INTRODUCTION

To make spaces around us green and healthy place to live, we are providing a platform for all your gardening needs. From seeds to plants, artificial to alive, personal use to gifts all comes at your door step. We are here to provide an online store of gardening at your finger's tip with minimal cost comes at your door step. Just click on your desired product, place the order and sit back!!

This project is a web based shopping system for the nursery plants. The project objective is to deliver the online shopping application into android platform. Online shopping is the process whereby consumers directly buy plants, seeds and other agriculture based goods and items from a seller in real-time, without an intermediary service, over the Internet. It is a form of electronic commerce. This project is an attempt to provide the advantages of online shopping to customers of a real shop. It helps buying the products in the shop anywhere through internet by using an android device.

Thus the customer will get the service of online shopping and home delivery of his favourite plant or seeds.

## II. LITERATURE SURVEY

Natural ecosystems are being lost or degraded by urbanization, with far-reaching consequences pertaining to species richness, environmental hydrological services, heat island effects, carbon sequestration, and nutrient cycling, among other important ecological processes. Studies have demonstrated that these urban centers may be improved through the implementation of urban greening initiatives that offer numerous ecological, social, and economic benefits. Ecological benefits of urban greening include: lowering ambient air temperatures within urban heat islands, reducing atmospheric carbon dioxide, storm water capture and improving air quality. Urban greening also offers economic benefits to cities, such as reducing energy use and increasing heating/cooling cost savings, increasing property values and creating green industry jobs.

Investing in trees through planting, care, and maintenance will produce a significant return on investments, especially as older and larger trees provide the most benefits. Plantation at home is a long-term solution for many issues people face and they are a valuable resource for every community, especially those in urban or suburban areas. Botanical gardens and arboreta play an important role in this pursuit for a healthy and vibrant urban city like environment. The future of urban city lifestyle should focus on protecting large trees, plants and should grow more and more plants at their home or nearby as well as improving the home plantation system and plantation management.

### A. Plants keep citizens healthy and happy

The presence of trees and green space on people can:
− Increase attention, memory, reflection and focus
− Reduce stress or increased ability to recover from stress
− Increase life satisfaction and positive thoughts or emotions
− Lower mortality rates from non-accidental deaths
− Shorten recovery times in the hospital and increased perception of health
− Increase physical activity
− Reduce diastolic blood pressure

Children and students benefit from the presence of trees and plants in nearby, which can:
− Reduce symptoms of attention deficit disorders and increase attention
− Improve the mood of teenagers and lower their emotions of depression, anger, and fatigue
− Improve physical health

Trees evoke positive strong emotions in people. Urban residents value plants and people like looking at

plants. In fact, they are likely to be attached more towards greenery, gardens and green plantation in their surroundings.

And so thus, me and my teammates decided to create a project based on "Green world" which can evoke the feelings in the people, of making the surrounding green and planting small nursery plants at home or in their respective surrounding, which indirectly helps in creating healthier atmosphere both plantation wise and mentally too. We also provide various facilities in are website through which the customer will not get any difficulty in getting the plants and seeds of their choice at their doorstep.

## III. RESEARCH METHODOLOGY

The objective of the project is to make an application in android platform to purchase items in an existing shop. In order to build such an application complete web support need to be provided. A complete and efficient web application which can provide the online shopping experience is the basic objective of the project. The web application can be implemented in the form of an android application with web view.

After placing the order, our team picks the best plants or equipments from their various outlets making sure that you get the fresh and desired one.

The Server process the customers and the items are shipped to the address submitted by them. The application was designed into two modules first is for the customers who wish to buy the articles. Second is for the storekeepers who maintains and updates the information pertaining to the articles and those of the customers. The end user of this product is a departmental store where the application is hosted on the web and the administrator maintains the database. The application which is deployed at the customer database, the details of the items are brought forward from the database for the customer view based on the selection through the menu and the database of all the products are updated at the end of each transaction. Data entry into the application can be done through various screens designed for various levels of users. Once the authorized personnel feed the relevant data into the system, several reports could be generated as per the security.

## IV. MANAGE MODERATOR

### A. Add Moderator:

Only admin is having the privilege to add a moderator. A moderator can be considered as a staff who manages the orders or owner of a group of products.

### B. Block Moderator:

Admin can restrict a moderator from managing the orders by blocking them. Admin can unblock a blocked user if needed.

### C. Remove Moderator:

Admin has privilege to delete a moderator who was added.

### D. Search moderator:

All existing moderators can be viewed by the administrator as a list. If there is number of moderators and admin need to find one of them, the admin can search for a moderator by name.

## V. MANAGE PRODUCTS

### A. Add Products:

The shopping cart project contains different kind of products. The products can be classified into different categories by name. Admin can add new products into the existing system with all its details including an image.

### B. Delete Products:

Administrator can delete the products based on the stock of that particular product.

### C. Search Product:

Admin will have a list view of all the existing products. He can also search for a particular product by name.

## VI. MANAGE ORDERS

### A. View Order Administrator can view the Orders which is generated by the users. He can verify the details of the purchase.

Delete order Admin can delete order from the orders list when the product is taken for delivery.

## VII. USER MANUAL

User Registration:
A new user will have to register in the system by providing essential details in order to view the products in the system. The admin must accept a new user by unblocking him.

### A. Login:

A user must login with his user name and password to the system after registration.

### B. View Products:

User can view the list of products based on their names after successful login. A detailed description of a particular product with product name, products details, product image, price can be viewed by users.

### C. Search Product:

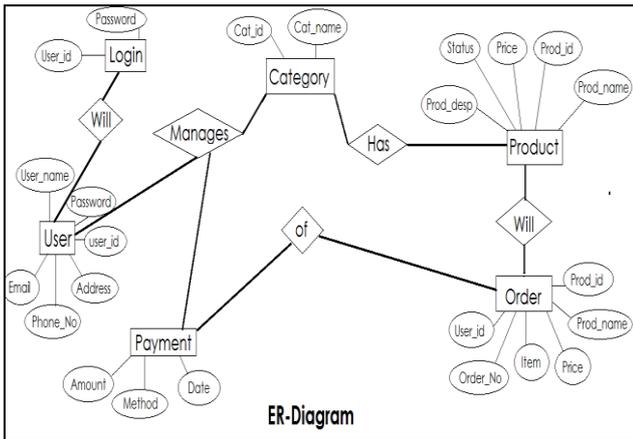Users can search for a particular product in the list by name.

### D. Add to cart:

The user can add the desired product into his cart by clicking add to cart option on the product. He can view his cart by clicking on the cart button. All products added by cart can be viewed in the cart.
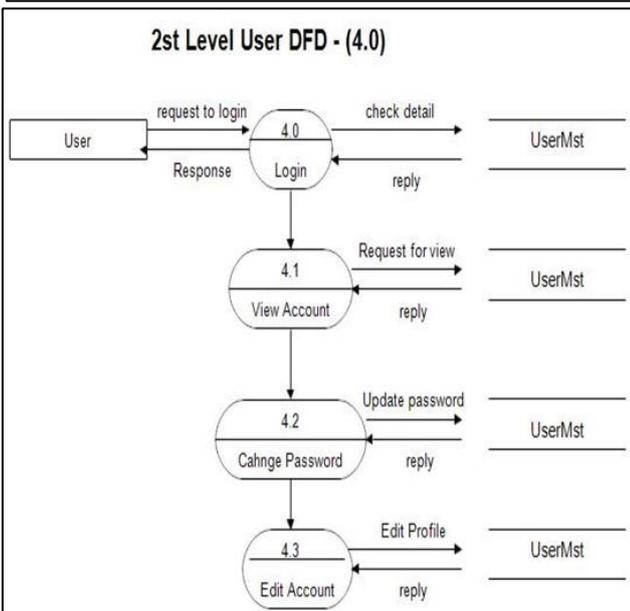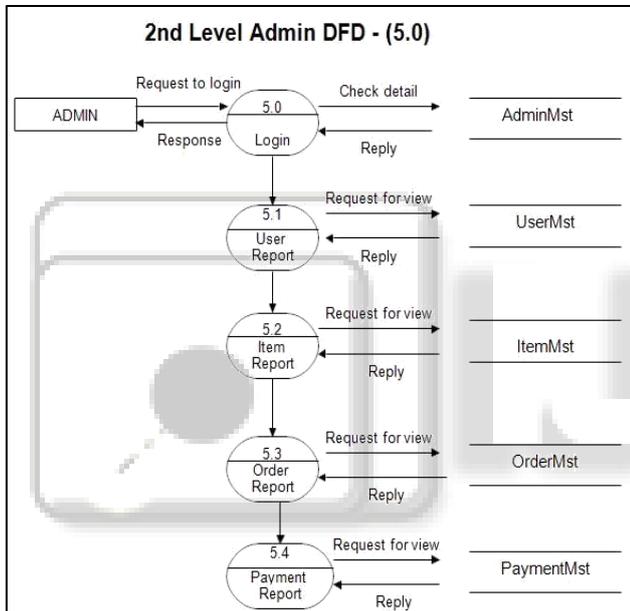
User can remove an item from the cart by clicking remove.

## VIII. PROCESS DIAGRAMS

### A. E.R. Diagram:



ER-Diagram

### B. DFD Diagram:



2nd Level Admin DFD - (5.0)



2st Level User DFD - (4.0)

## IX. CONCLUSION

The system has been developed with much care and free of errors and at the same time it is efficient and less time consuming. The purpose of this project was to develop a web application and an android application for purchasing items from a shop. This project helped us in gaining valuable information and practical knowledge on several topics like designing web pages using html & css, usage of responsive templates, designing of android applications, and management of database using my sql . The entire system is secured. Also the project helped us understanding about the development phases of a project and software development life cycle. We learned how to test different features of a project. This project has given us great satisfaction in having designed an application which can be implemented to any nearby shops or branded shops selling various kinds of products by simple modifications.

## REFERENCES

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