

**PROJECT REPORT
ON
E-Nursery System**

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DEPARTMENT OF COMPUTER ENGINEERING

L.J. POLYTECHNIC, AHMEDABAD

2021-2022

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2021-2022

CERTIFICATE

Date: ___ / ___ / ___

This is to certify that **Mr. Oza Dev Daxesh, Mr. Panchal Dhrumil Vinay Bhai, Raval Jeet Nitin Kumar and Moolya Swastik Bhoja** from LJ POLYTECHNIC having Enrollment No. **196330307052, 196330307056, 196330307100, 196330307524**, have developed project on the problem definition of semester VI during the academic year 2021-2022 having Title **E-Nursery System** in a group consisting of **4** persons.

Institute Guide

Head of the Department

ACKNOWLEDGEMENT

We would like to thank our teacher whose valuable guidance has been the ones that helped us patch this project and make it full proof success.

Their suggestions and their instructions have served as the major contributor towards the completion of the project. Secondly, we would also like to thank our parents who supported in our project.

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ABSTRACT

The aim of E-Nursery System is to provide plants at home. This system is very useful for anyone who is interested in gardening. Nursery is a place where planting material, such as seedlings, saplings cuttings, etc., are raised, propagated and multiplied under favourable conditions for transplanting in prepared beds. In our system, users can buy plants, planters (vases), gardening tools, seeds & fertilizers. In the existing system, the system is only focused on plant selling.

CHAPTER-1

INTRODUCTION

1.1 Need of the new system

- In present era, the importance of **Nursery Store** is growing up day by day, user needs a simple interface to order Plants online, this project **E-Nursery System** fulfills all the requirements of user and it provides an easy interface to navigate.
- This system allows the user to select the desired Plants from a list of available menu items.
- We have simplified the flow of Plants ordering in this project, so if a person wants to buy Plants then he can easily order online on some clicks only. Also, we have implemented filters so customer can choose category from Nursery, Type etc.
- The customer can easily place orders for the Plants items of their choice. For ordering the Plants customer needs to register into the system with their details and after the registration, customer can filter out the Plants according to the Nursery, Type, Company, he will add the Plants into the cart and place order.

1.2 Detailed problem definition

- In this system, we have developed an approach to allow

customers to buy plants without even visiting shop.

- Being able to buy anytime, anywhere, any place.
- Site enables them to browse before they shop, and to research the product so they have more confidence in what they are buying.
- Online shopping becomes more enjoyable and easier than real-world shopping.
- It provides cash on delivery (COD) feature.
- Customer can track their order details.

1.3 Viability of the system

- This system can easily understand and use it.
- Plant details will also provide, (example: use of plant, oxygen release rate, fertilizer recommendation, caring tips)
- Customer rating section.
- The proposed system can guarantee to keep the records are safe and privacy which is stored in the database.
- It provides cash on delivery feature.
- Purchased plant details will be added to the cart.

1.4 Presently available system for the same

- <https://www.santhionlineplants.com/>
- In this system there is no any detailed review of product.
- Lack of Choices.

- There is no option for vases (pots/planters).
- There are no any facilities for plantation tools, fertilizers, take care tips, pesticides.

1.5 Future Prospect

- Number of shopkeeper's can register to the web portal for increase their sale.
- Hire Expert of gardening.
- This application can be used by any user to purchase the online plants and get appropriate information by viewing short summery about the plants items through videos.
- If any changes to make customer can purchase the plants through different payment schemes like debit card, credit card, paytm, phone pay etc.

CHAPTER-2

ANALYSIS

2.1 Requirement Analysis

- In present era, the importance of **Nursery Store** is growing up day by day, user needs a simple interface to order Plants online, this project **E-Nursery System** fulfills all the requirements of user and it provides an easy interface to navigate.
- The customer can easily place orders for the Plants items of their choice. For ordering the Plants customer needs to register into the system with their details and after the registration, customer can filter out the Plants according to the placement, occasions, gift types.

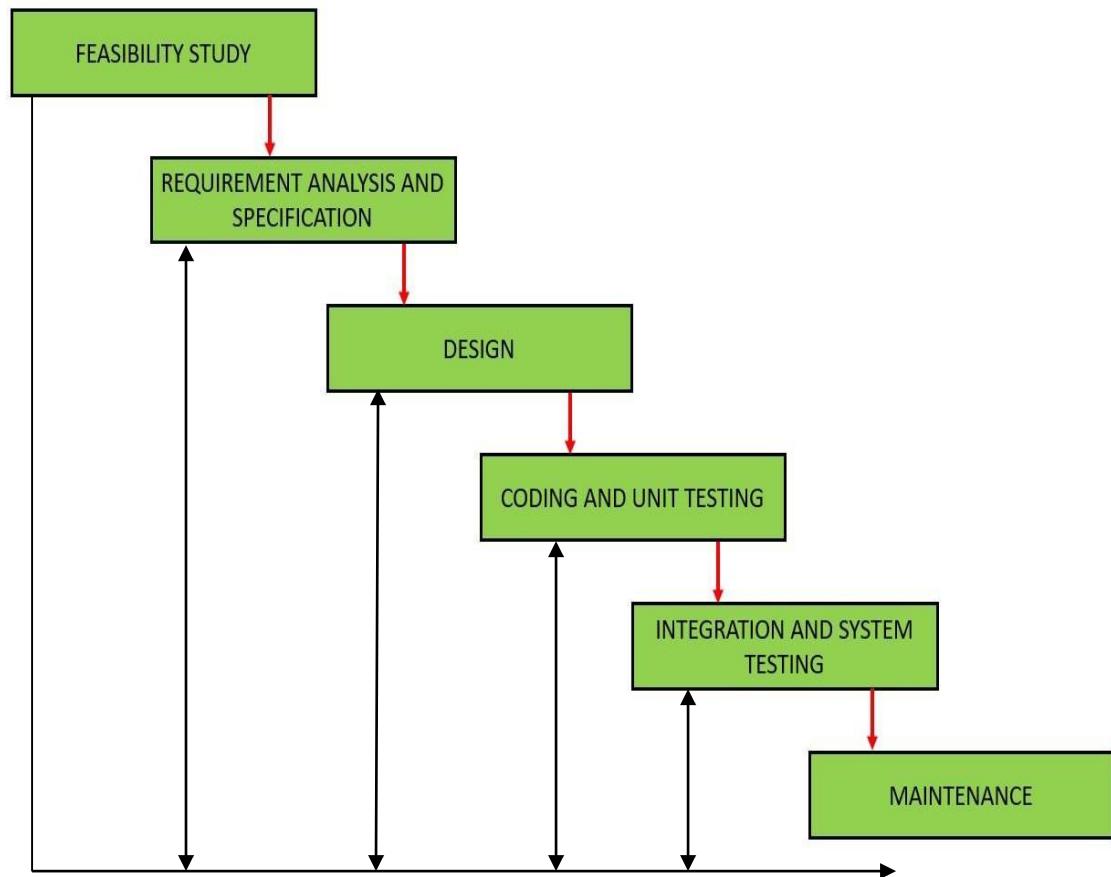
2.2 Project Model

When errors are detected at some later phase, these feedback paths allow correcting errors committed by programmers during some phase. The feedback paths allow the phase to be reworked in which errors are committed and these changes are reflected in the later phases. But, there is no feedback path to the stage – feasibility study, because once a project has been taken, does not give- up the project easily.

It is good to detect errors in the same phase in which they are committed. It reduces the effort and time required to correct the errors.

User can also give feedback, rating and can upload product images and it provides easy return policy if there any problem.

Phase Containment of Errors: The principle of detecting errors as close to their points of commitment as possible is known as Phase containment of errors.



[Figure 1: Project model]

Advantages of iterative waterfall model

- **Feedback Path:** In the classical waterfall model, there are no feedback paths, so there is no mechanism for error correction. But in iterative

waterfall model feedback path from one phase to its preceding phase allows correcting the errors that are committed and these changes are reflected in the later phases.

- **Simple:** Iterative waterfall model is very simple to understand and use. That's why it is one of the most widely used software development models.
- User gets a chance to experiment with partially developed software.
- This model helps finding exact user requirements.
- Feedback providing at each increment is useful for determining the better final product.

2.3 Schedule Representation

- Generalized project scheduling tools and technique can be applied with little modification to software projects.
- Program evolution and review techniques (PERT) and critical path method (CPM) are two project scheduling method that can be applied to software development. Both techniques are driven by information already developed in earlier project planning activities:
 - Estimate of effort.
 - A decomposition of the product function.
 - The selection of appropriate process model and task set.
 - Decomposition of tasks.

[Table 1: Schedule Representation]

ACTIVITY	START DATE	FINISH DATE
Requirement Analysis		
System Analysis		
System Design		
System Coding		
Testing and Integration		

2.4 Feasibility Study

2.4.1 Technical Feasibility

- The system is self-explanatory and does not need any entire sophisticated training. A system has been built by concentrating on the graphical user interface concepts, the website can also be handled very easily with a novice user. The overall time that a user needs to get trained is less than 15 minutes. The system has been added with features of menu device and button interaction methods, which makes him the master as he starts working through the environment. As the software that were used as developing this application are very economical and are readily available in the market the only time that is lost by the customer is just installation time.

2.4.2 Economical Feasibility

- To produce an ecommerce website requires a high-speed connection to the Internet, a web server, and software. Other costs that are relevant is the cost of the payment system, whether it is taking online payment directly from the society's web site or an alternative third-party like PayPal or more expensively using an online bank.
- It refers to the benefits or outcomes we are deriving from the product as compared to the total cost we are spending for developing the benefits are more or less the same as the older system then it is not feasible to develop the product. The product is economical feasible. It will provide following benefits:
 - Reduces the processing time
 - Reduces the work load
 - Administrative will be effective

2.4.3 Operational Feasibility

- It refers to the feasibility of the product to be operational. Some products may work very well at the design and implementation but many fail in the real time environment. It introduces the study of human resources required and their technical expertise. This product is operationally feasible as it is designed specifically for E-Nursery. This provides consistent and integrated data management. It also provides information at all levels of people.

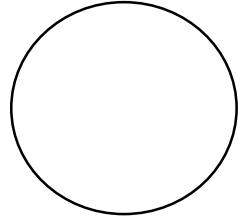
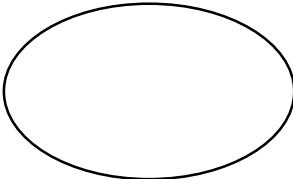
CHAPTER 3

DESIGN

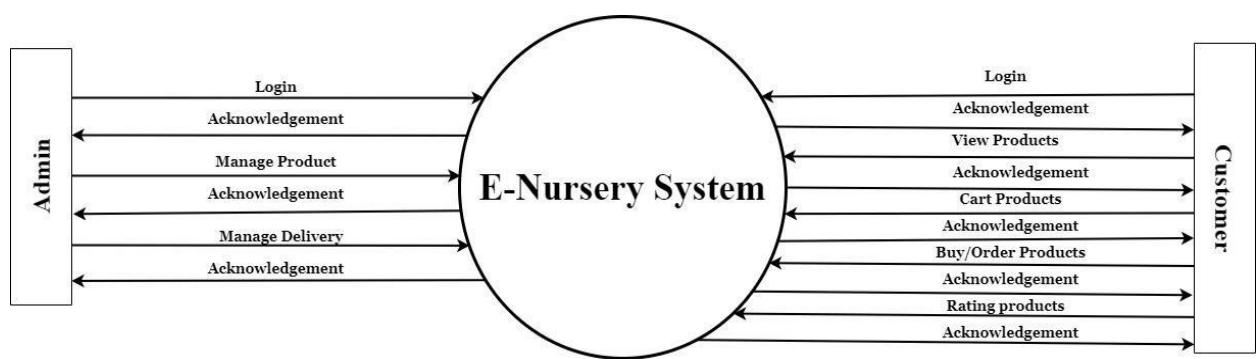
3.1 Data flow diagram

DFD (data flow diagram) is also known as bubble chart or data flow graph. DFD's are very useful in understanding the system and can be effectively used during analysis. It shows flow of data through a system visually. The DFD is a hierarchical graphical model of a system the different processing activities or functions that the system performs and the data interchange among these functions. It views a system as a function that transforms the inputs into desired output. Each function is considered as a process that consumes some input data and produces some output data. Function model can be represented using DFD.

[Table 2: Data Flow Diagram Symbols]

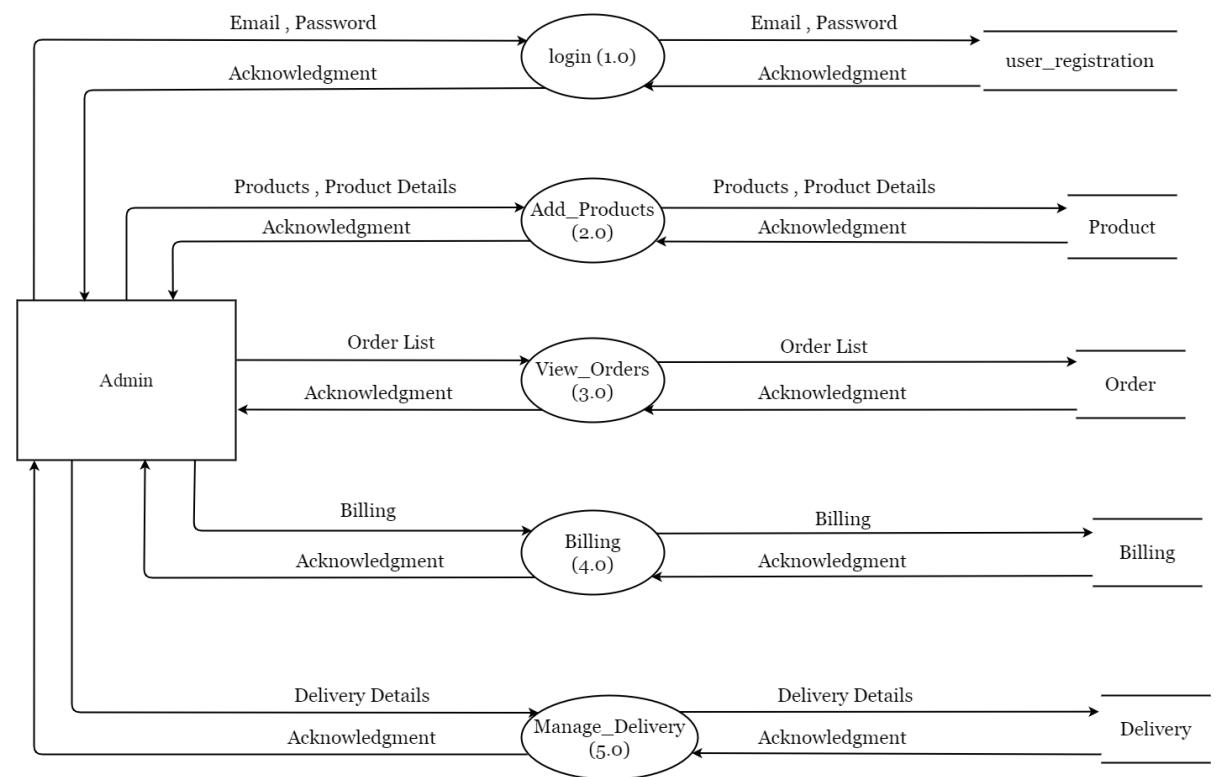
Symbols	Description
	Entity: Entities are external to the system which interacts by inputting the data.
	System: It shows the system name.
	Process: It shows the part of the system that transforms into outputs.
	Data Flow: It passes the data from one part to another.
	Data Store: Data store is represented by two parallel lines. It is generally logical file or database.

Level 0: Context



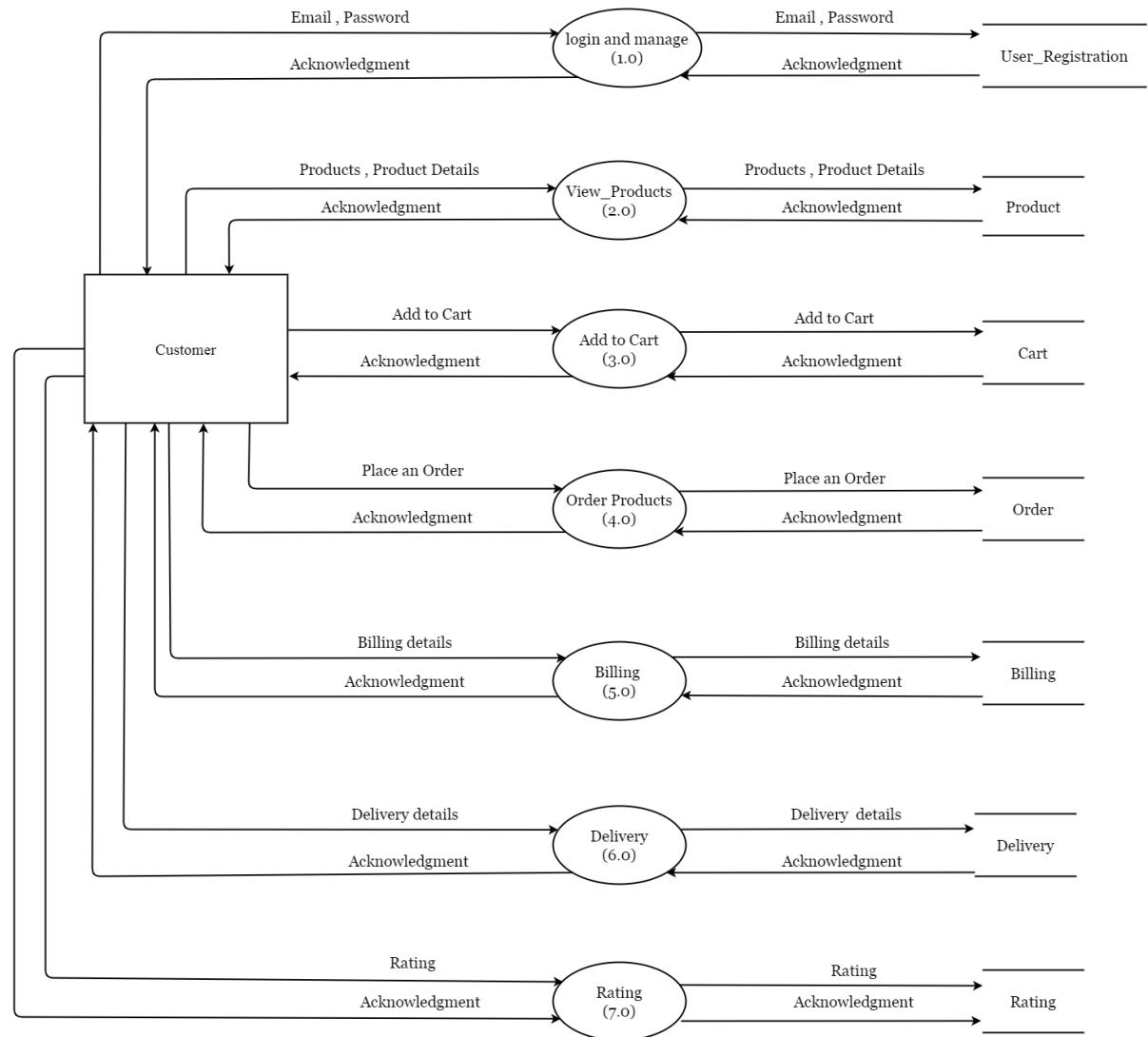
[Figure 2: DFD Context Level]

Level 1: Admin



[Figure 3: DFD Level 1: Admin]

Level 1: Customer

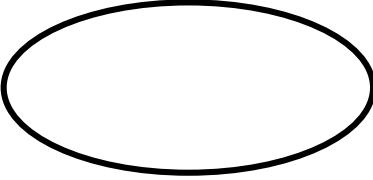
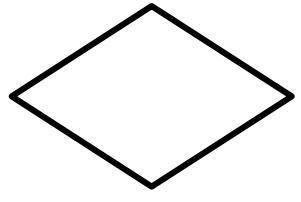
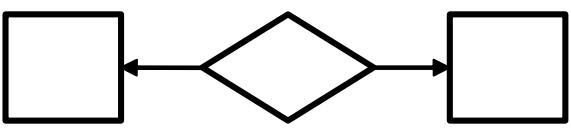
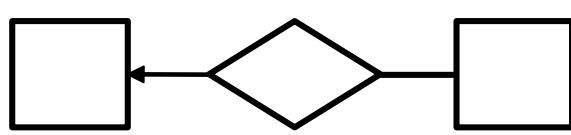
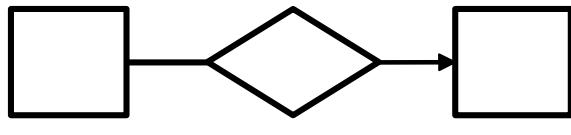
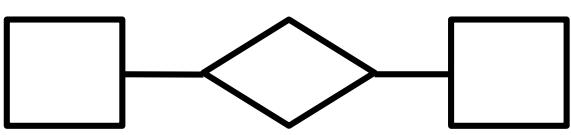


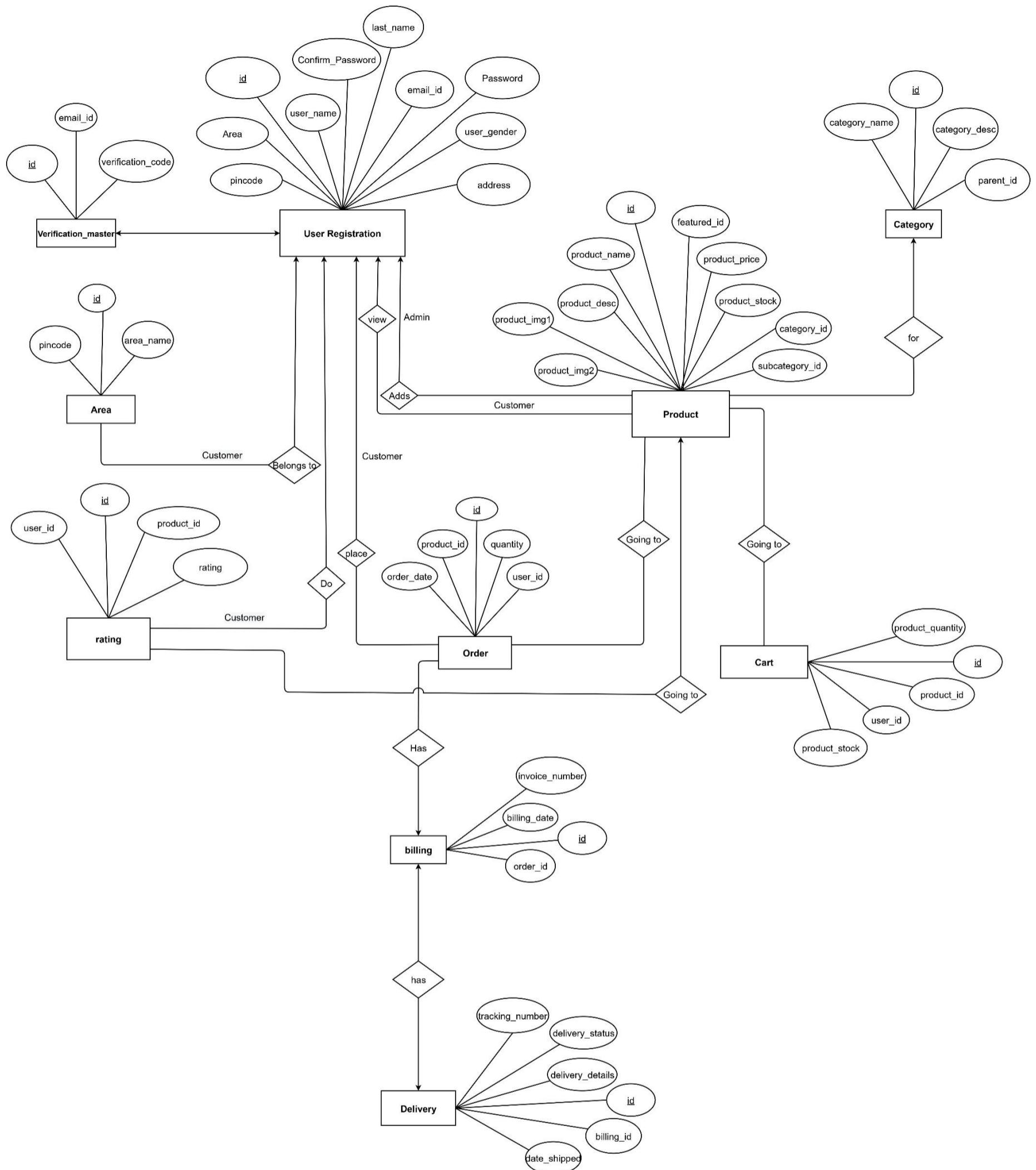
[Figure 4: DFD Level 1: Customer]

3.2 ER-Diagram

An Entity Relationship (ER) Diagram is a type of flowchart that illustrates how “entities” such as people, objects or concepts relate to each other within a system. ER Diagrams are most often used to design or debug relational databases in the fields of software engineering, business information systems, education and research. Also known as ERDs or ER Models, they use a defined set of symbols such as rectangles, diamonds, ovals and connecting lines to depict the interconnectedness of entities, relationships and their attributes. They mirror grammatical structure, with entities as nouns and relationships as verbs.

[Table 3: ER Diagram Symbols]

Symbols	Description
	Entity: Data object is real world entity or thing. It is represented by a rectangle shape. An entity is an object or concept about which you want to store information.
	Attributes: An attribute is a property or characteristic of an entity. It is represented by oval shape.
	Relationship: Entities are connected to each other via relationships. Generally, relationships are binary because there are two entities related to each other.
	Cardinality (One to One): An instance of entity A can relate to one instance of entity B.
	Cardinality (One to Many): An instance of entity A can relate to one or many instances of B but we can only relate one instance of A.
	Cardinality (Many to One): One or more instances of entity A can relate to one instance of B.
	Cardinality (Many to Many): One or more instances of entity A can relate to one or more instances of entity B.



[Figure 5: ER-Diagram]

CHAPTER-4

SYSTEM MODELING

4.1 Database dictionary

1. Table name: User_registration

Primary key: user_id

[Table 1: User_registration]

SR. NO	FIELDNAME	DATATYPE(SIZE)	CONSTRAINT	DESCRIPTION
1	id	Int(10)	Primary key	User's id
2	user_name	Varchar(20)	Not null	User's First name
3	email_id	Varchar(30)	Unique	User's email id
4	password	Varchar(20)	Not null	User's password
5	confirm_password	Varchar(20)	Not null	User's password
6	phone_number	BigInt(12)	Not null	User's number
7	area	Varchar(20)	Not null	User's area
8	address	Varchar(150)	Not null	User's address
9	pincode	Int(6)	Not null	User's pincode
10	user_gender	Varchar(20)	Not null	User's gender

2. Table name: Product
Primary key: product_id

[Table 2: Product]

SR.NO	FIELDNAME	DATATYPE(SIZE)	CONSTRAINT	DESCRIPTION
1	id	Int(10)	Primary key	Product id
2	product_name	Varchar(50)	Not null	Product name
3	product_desc	Varchar(250)	Not null	Product description
4	product_img1	Varchar(40)	Not null	Product image 1
5	product_img2	Varchar(40)	Not null	Product image 2
6	product_price	Int(6)	Not null	Product price
7	product_stock	Int(4)	Not null	Product's stock
8	category_id	Int(10)	Foreign key	Category id
9	sub_category_id	Int(6)	Foreign key	Product's subcategory
10	featured_id	TinyInt(2)	Default 0	Product featured

3. Table name: Category
Primary key: category_id

[Table 3: Category]

SR.NO	FIELDNAME	DATATYPE(SIZE)	CONSTRAINT	DESCRIPTION
1	id	Int(10)	Primary key	Category id
2	category_name	Varchar(50)	Not null	Category name
3	category_desc	Varchar(100)	Not null	Category description
4	parent_id	Int(10)	Default 0	Parent id

4. Table name: Area
Primary key: area_id

[Table 4: Area]

SR.NO	FIELDNAME	DATATYPE(SIZE)	CONSTRAINT	DESCRIPTION
1	id	Int(10)	Primary key	Area
2	area_name	Varchar(30)	Not null	Area name
3	pincode	Int(6)	Not null	Area pincode

5. Table name: Verification_master
Primary key: id

[Table 5: Verification_master]

SR. NO	FIELD NAME	DATATYPE(SIZE)	CONSTRAINT	DESCRIPTION
1	id	Int(10)	Primary key	id
2	email_id	Varchar(30)	Foreign key	Email id
3	verification_code	Varchar(20)	Unique	Verification code

6. Table name: Rating
Primary key: rating_id

[Table 6: Rating]

SR. NO	FIELD NAME	DATATYPE(SIZE)	CONSTRAINT	DESCRIPTION
1	Id	Int(10)	Primary key	Rating id
2	user_id	Int(10)	Foreign key	User's id
3	product_id	Int(10)	Foreign key	Product's id
4	rating	enum('1', '2', '3', '4', '5')	Not null	Rating

7. Table name: Cart
Primary key: cart_id

[Table 7: Cart]

SR. NO	FIELD NAME	DATATYPE(SIZE)	CONSTRAINT	DESCRIPTION
1	id	Int(10)	Primary key	Cart id
2	user_id	Int(10)	Foreign key	User's id
3	product_id	Int(10)	Foreign key	Product's id
4	product_stock	Int(10)	Not null	Product's stock
5	product_quantity	Int(10)	Not null	Product's quantity

8. Table name: Order
Primary key: order_id

[Table 8: Order]

SR.NO	FIELDNAME	DATATYPE(SIZE)	CONSTRAINT	DESCRIPTION
1	id	Int(10)	Primary key	Order id
2	user_id	Int(10)	Foreign key	User's id
3	product_id	Int(10)	Foreign key	Product's id
4	quantity	Int(6)	Not null	Quantity
5	order_date	Date	Not null	Order date

9. Table name: Billing
Primary key: billing_id

[Table 9: Billing]

SR.NO	FIELDNAME	DATATYPE(SIZE)	CONSTRAINT	DESCRIPTION
1	id	Int(10)	Primary key	Billing id
2	order_id	Int(10)	Foreign key	Order id
3	invoice_number	Int(10)	Unique	Invoice number
4	billing_date	Date	Not null	Billing date

10.Table name: Delivery
Primary key: delivery_id

[Table 10: Delivery]

SR.NO	FIELDNAME	DATATYPE(SIZE)	CONSTRAINT	DESCRIPTION
1	id	Int(10)	Primary key	Delivery id
2	billing_id	Int(10)	Foreign key	Billing id
3	tracking_number	Varchar(10)	Unique	Tracking number
4	date_shipped	Date	Not null	Date Shipped
5	delivery_status	TinyInt(1)	Not null	Delivery status
6	delivery_details	Varchar(150)	Not null	Delivery details

CHAPTER 5

TECHNICAL SPECIFICATION

5.1 Hardware Specification:

- 5.1.1 Ram:** 4GB.
- 5.1.2 Harddrive Storage Needed:** 40GB.
- 5.1.3 Other Hardware Requirements :** None.

5.2 Platform:

5.2.1 Supported Operating System:

Windows XP and above LINUX and
MacOS is compatible.

5.2.2 Programmer Server: Wamp 2.5, Apache Server 2.4.9.

5.3 Programming Language

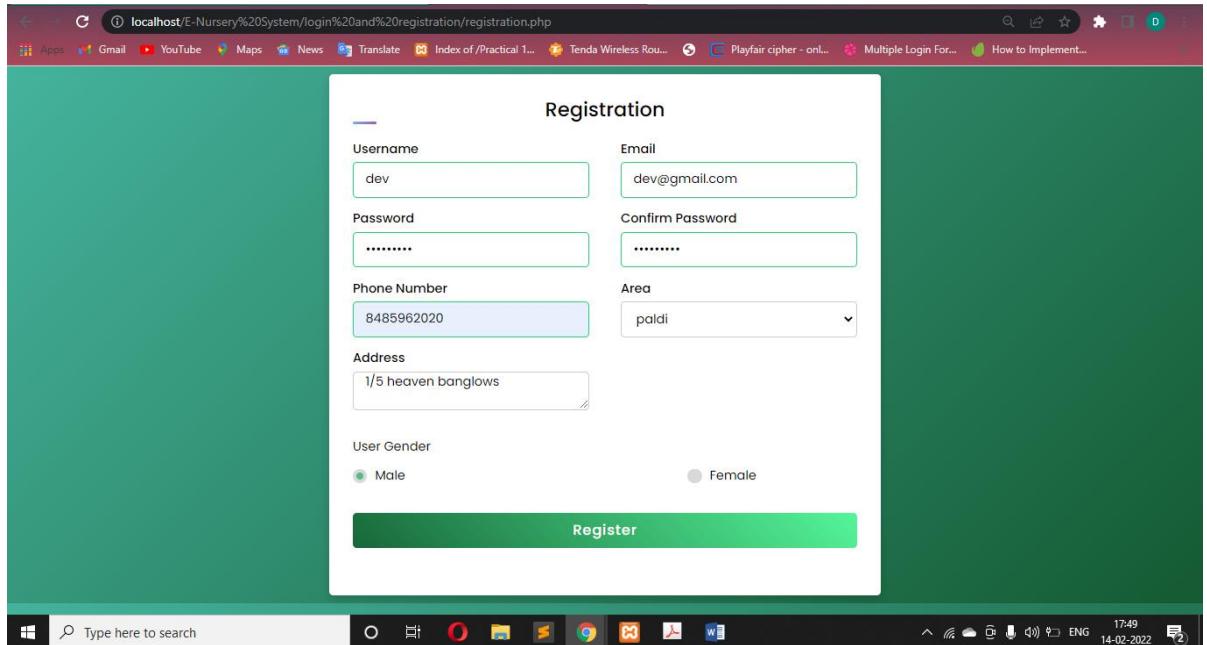
- 5.3.1 Mark-up Language:** HTML5.
- 5.3.2 Programming Language:** PHP5.5.12
- 5.3.3 Scripting Language:** Java Script ES2015.

5.4 Technical Support:

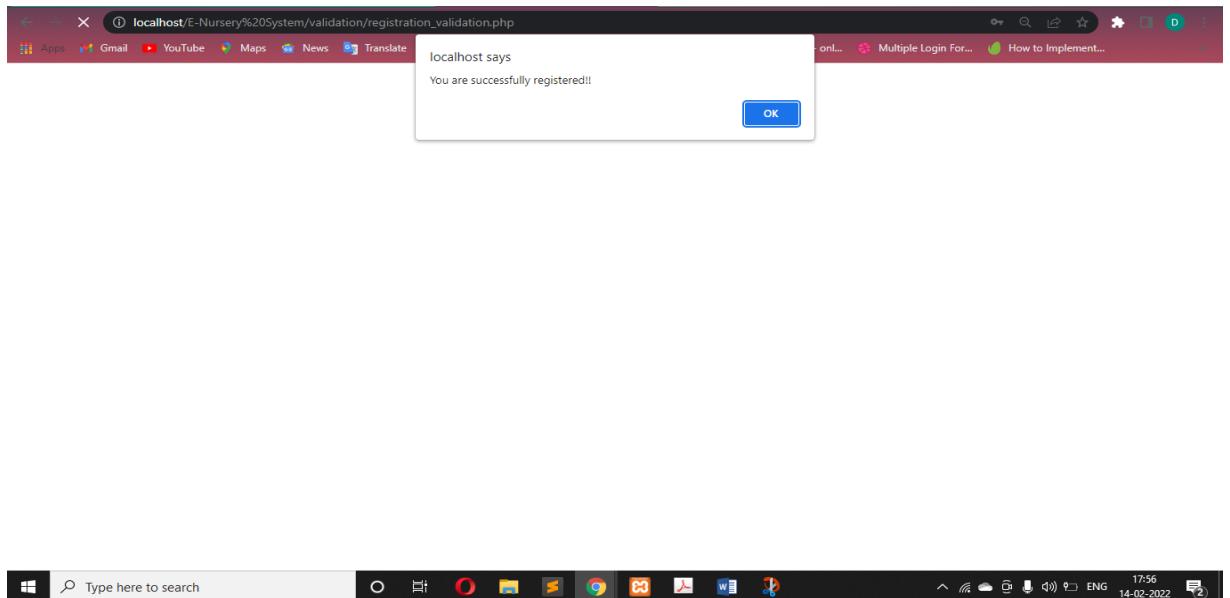
- 5.4.1 Front-End:** PHP5.5.12
- 5.4.2 Back-End:** MySQL5.6.17
- 5.4.3 IDE:** Sublime Text 3
- 5.4.4 UML Tools:** Draw.io 14.9.6
- 5.4.5 SRS Tools:** Microsoft Word 2016.

5.5 DESIGN LAYOUT

Registration Page: -

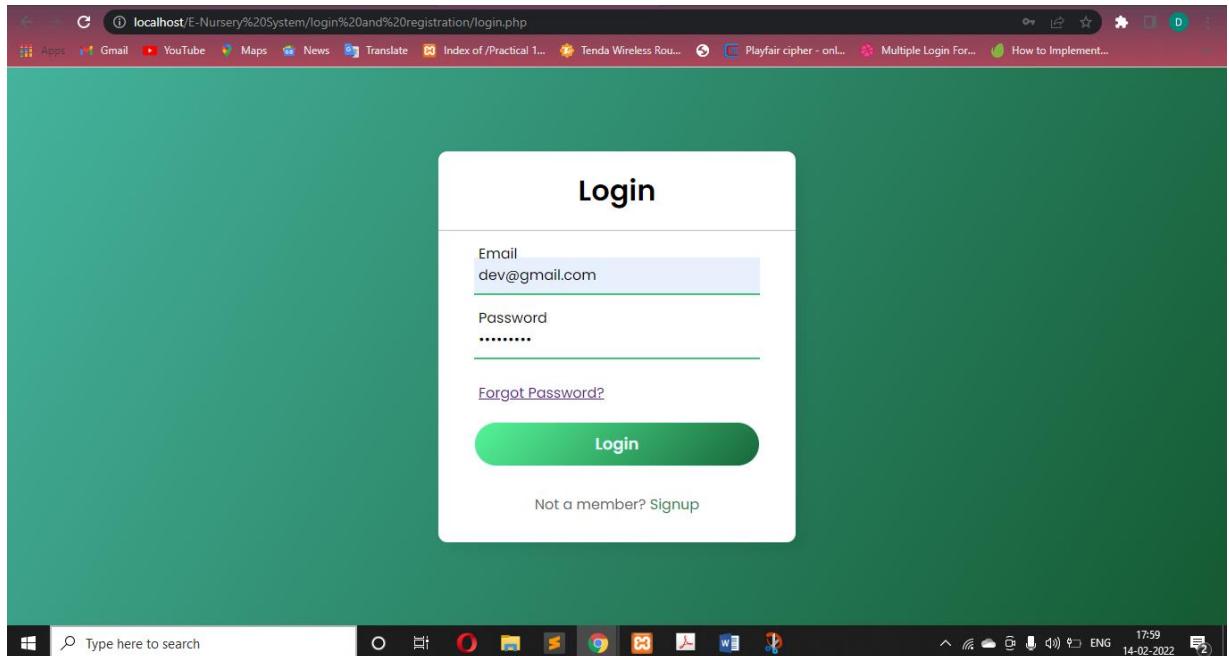


[Figure 6: Registration page]



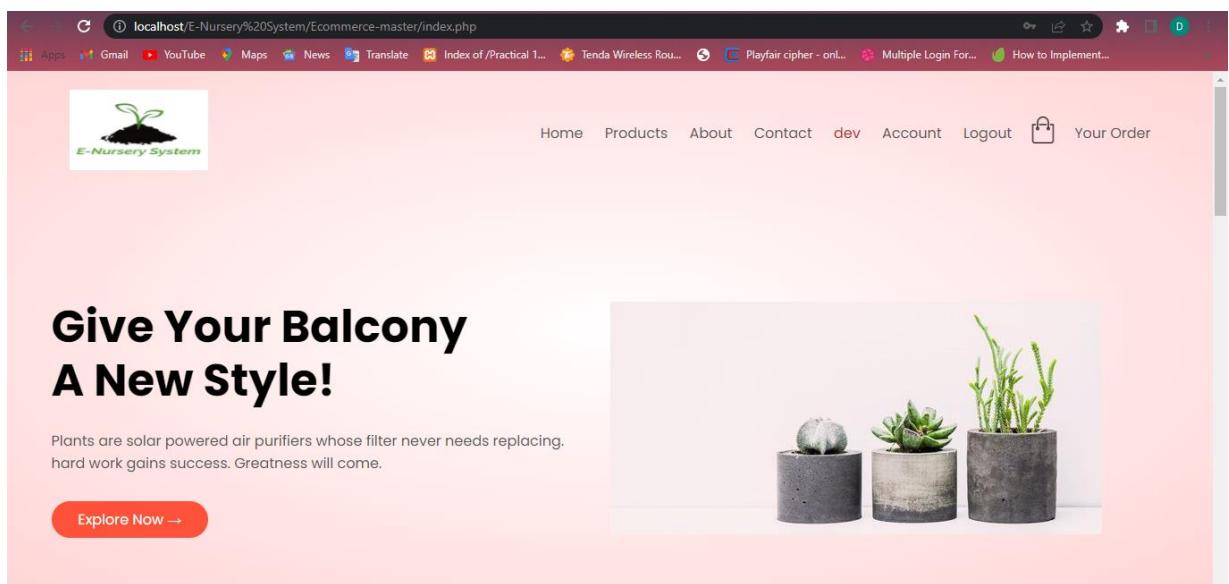
[Figure: Registration successfully]

Login page: -

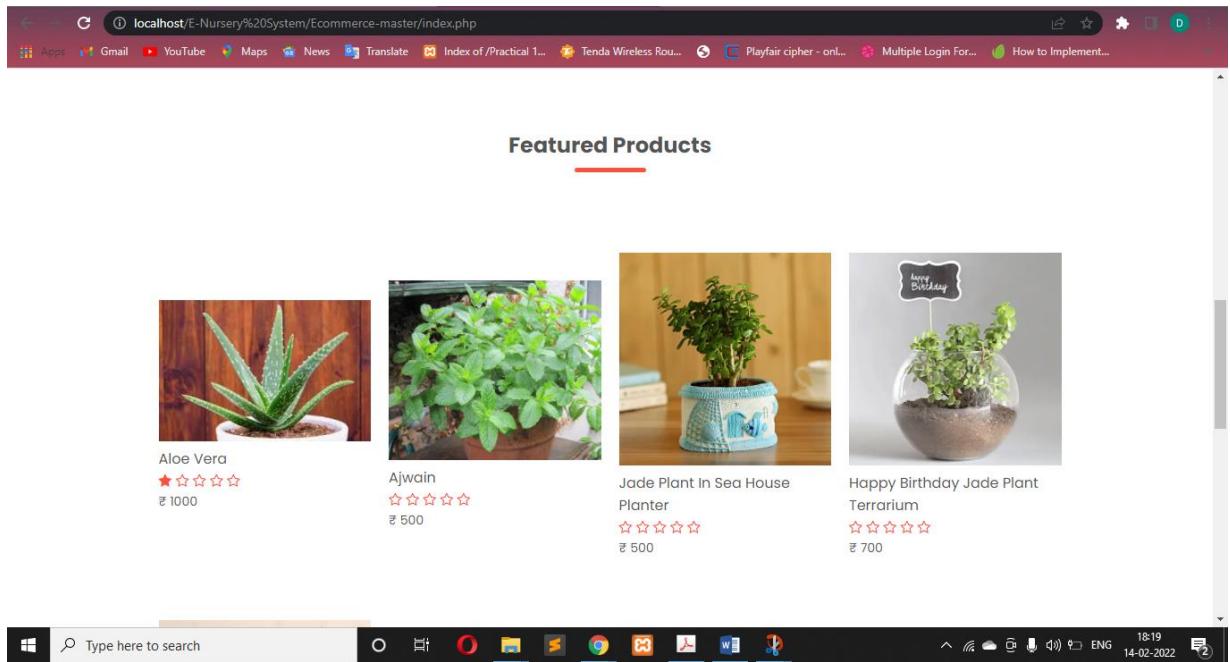


[Figure : Login Page]

Home page: -



[Figure: Home Page Top]



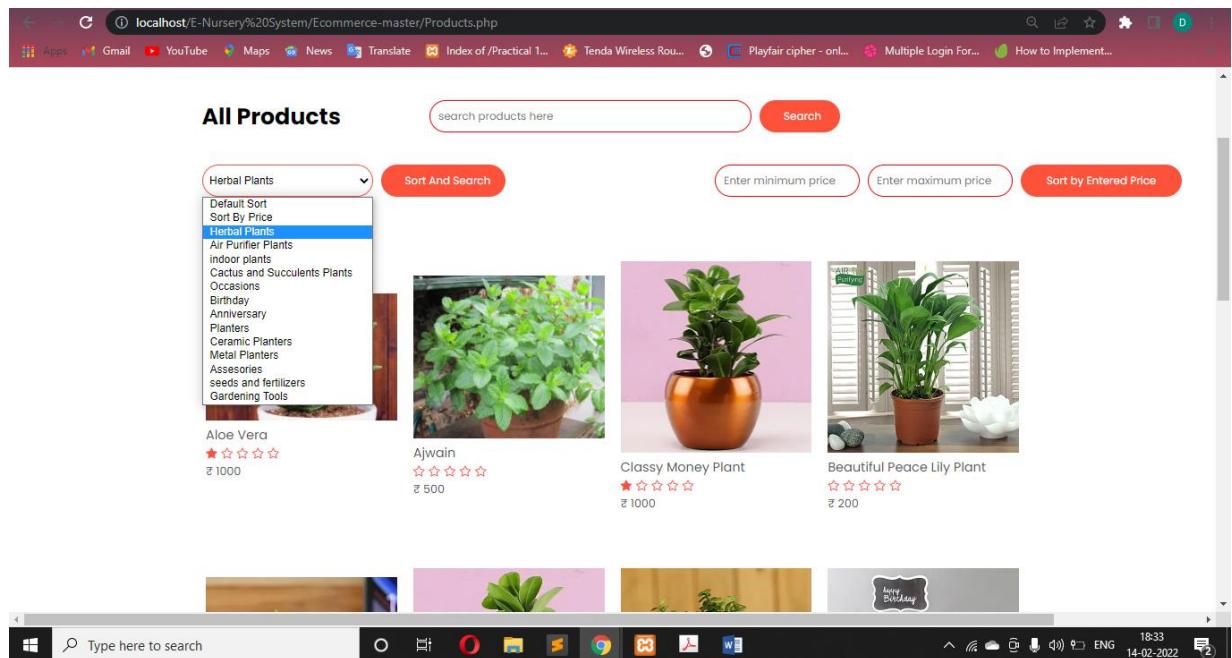
[Figure: Home Page Bottom]

Product Page: -

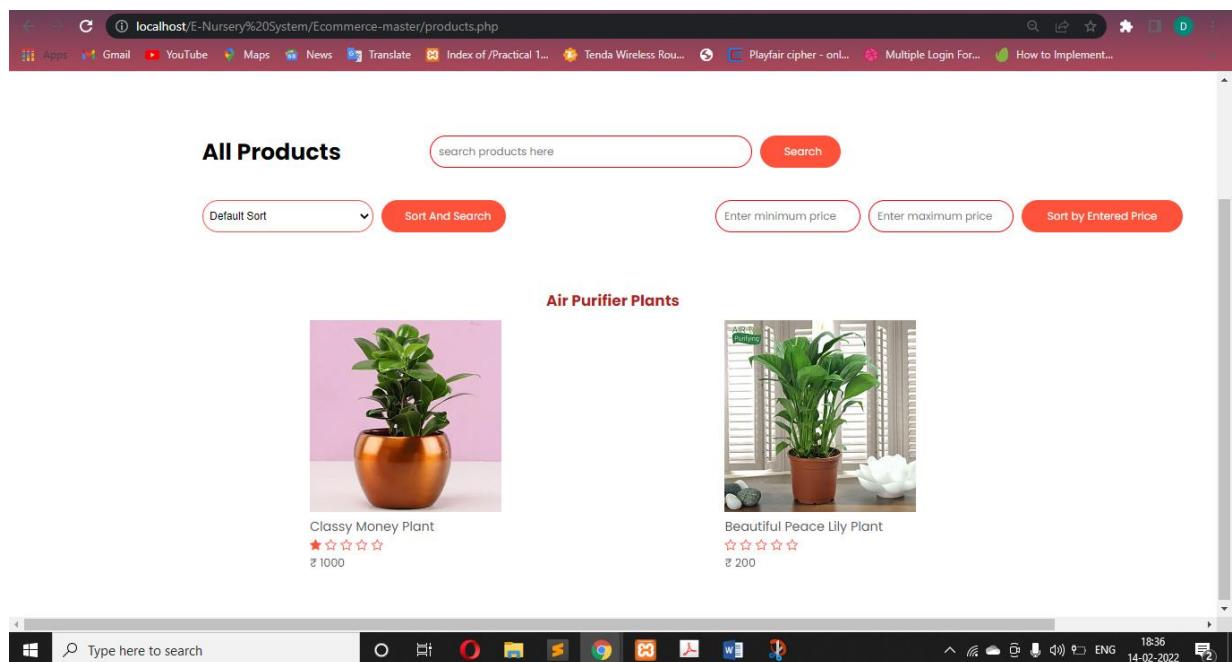
The screenshot shows the 'All Products' section of the website. It includes a search bar, sorting options, and a grid of four product thumbnails:

- Aloe Vera**
- Mint Plant**
- Money Plant**
- Peace Lily**

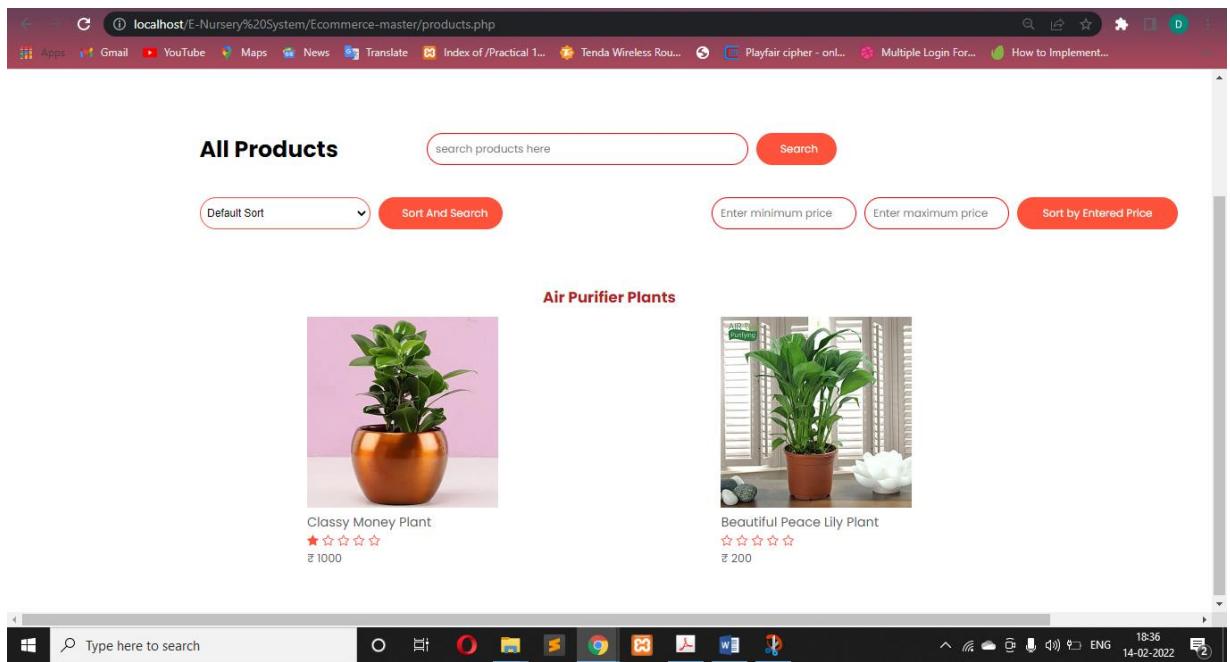
[Figure: Home Page Bottom]



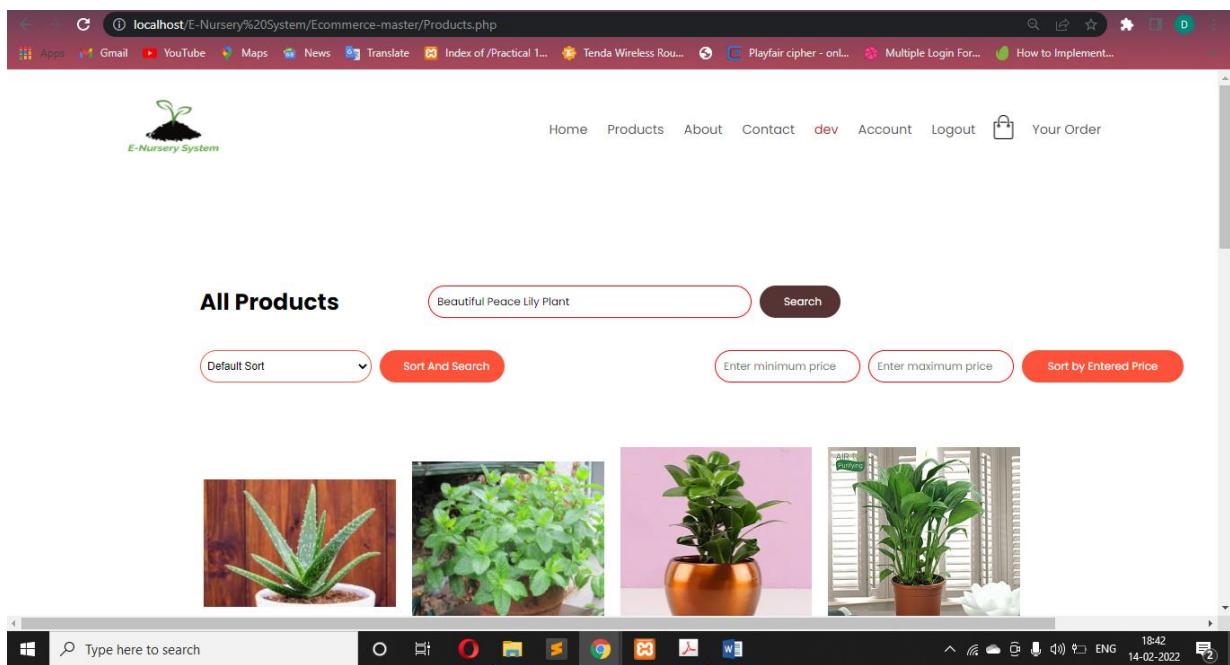
[Figure: Product categories and sorting menu]



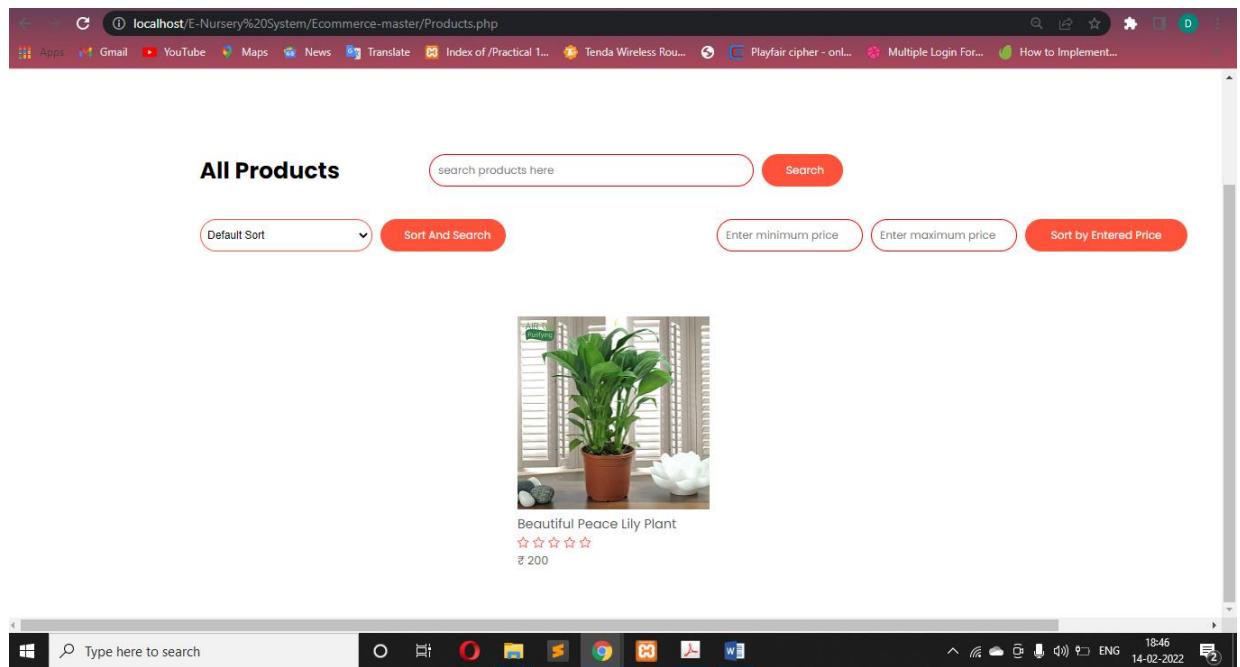
[Figure: Product categories and sorting menu]



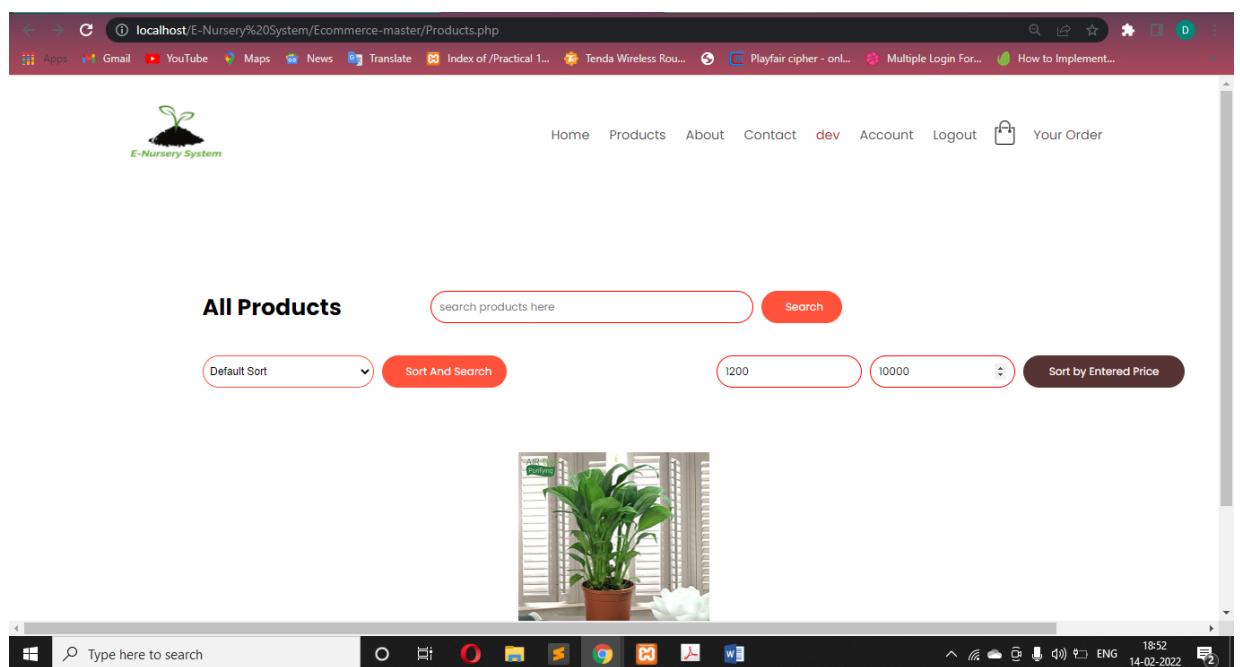
[Figure: Sorted List]



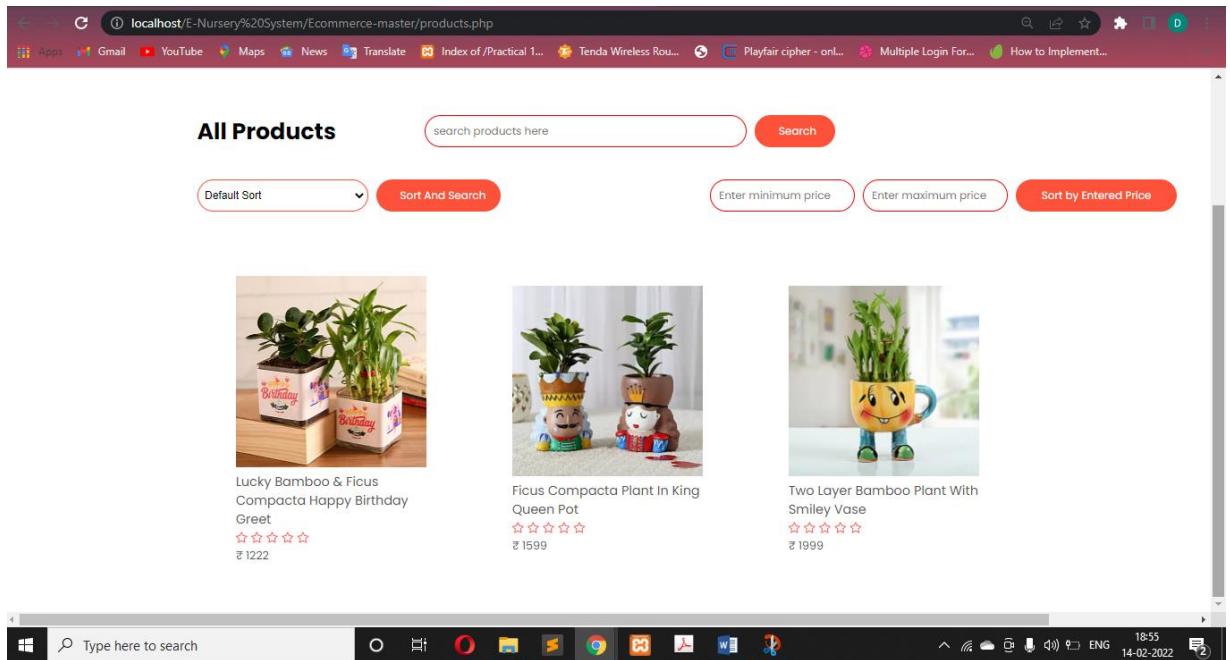
[Figure: Searching Product]



[Figure : Searched Product]

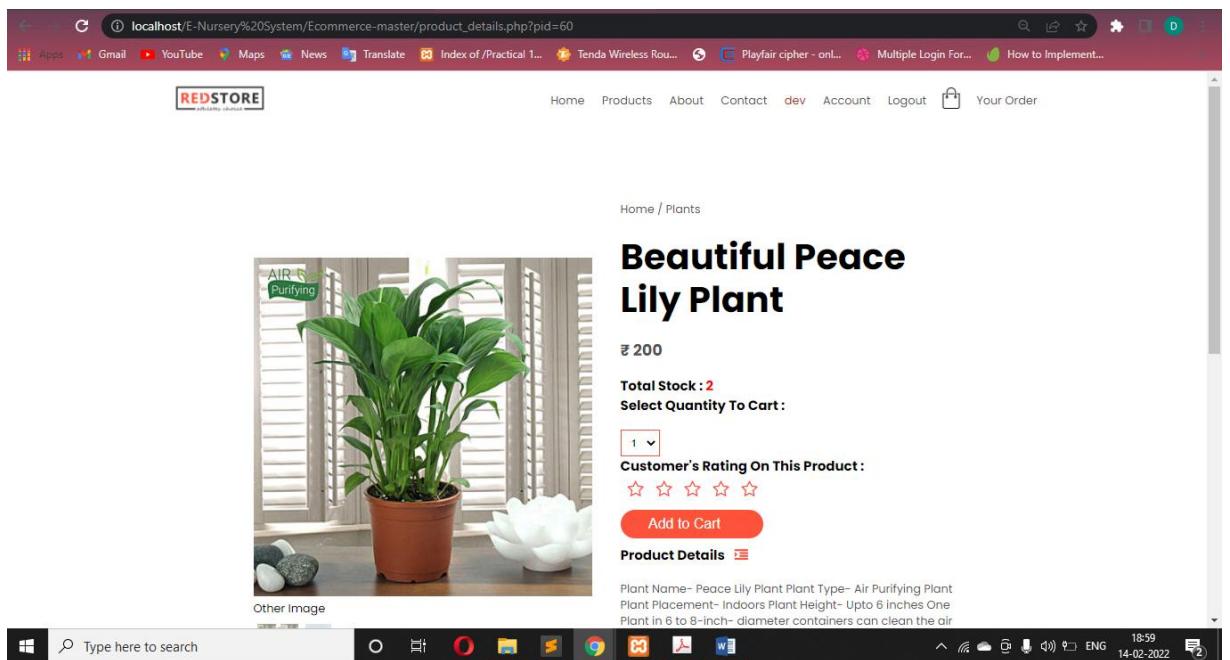


[Figure: Sorting Product by pricing]

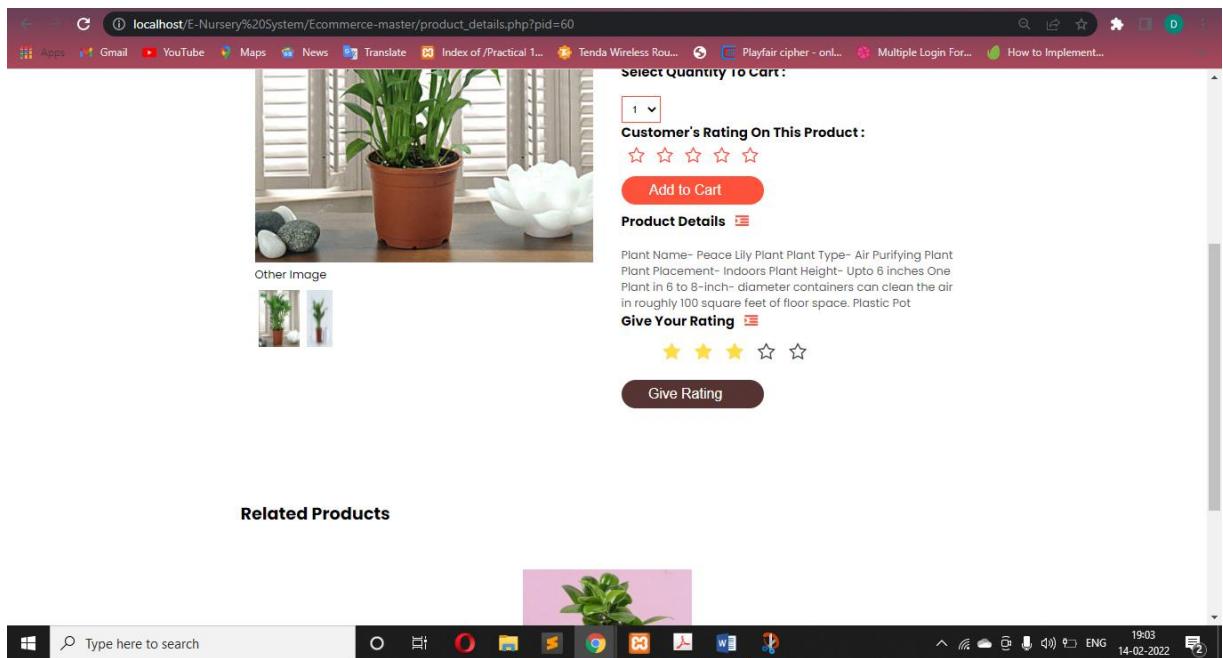


[Figure: Sorted Product by pricing]

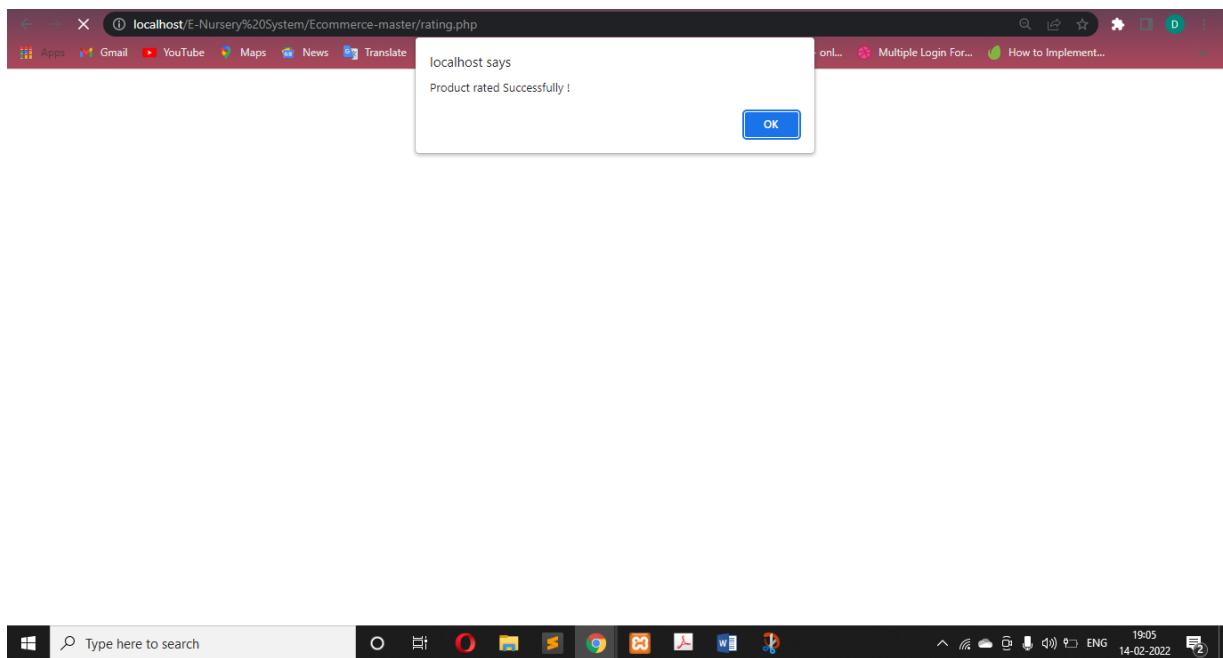
Product Details: -



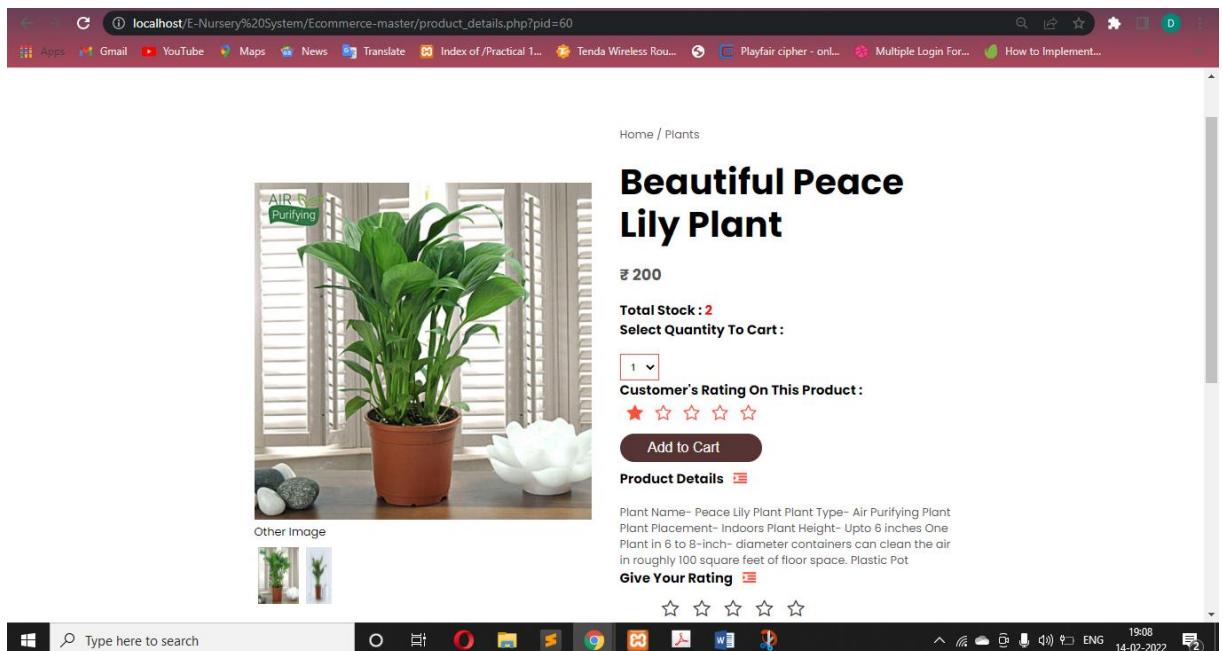
[Figure: Product Details]



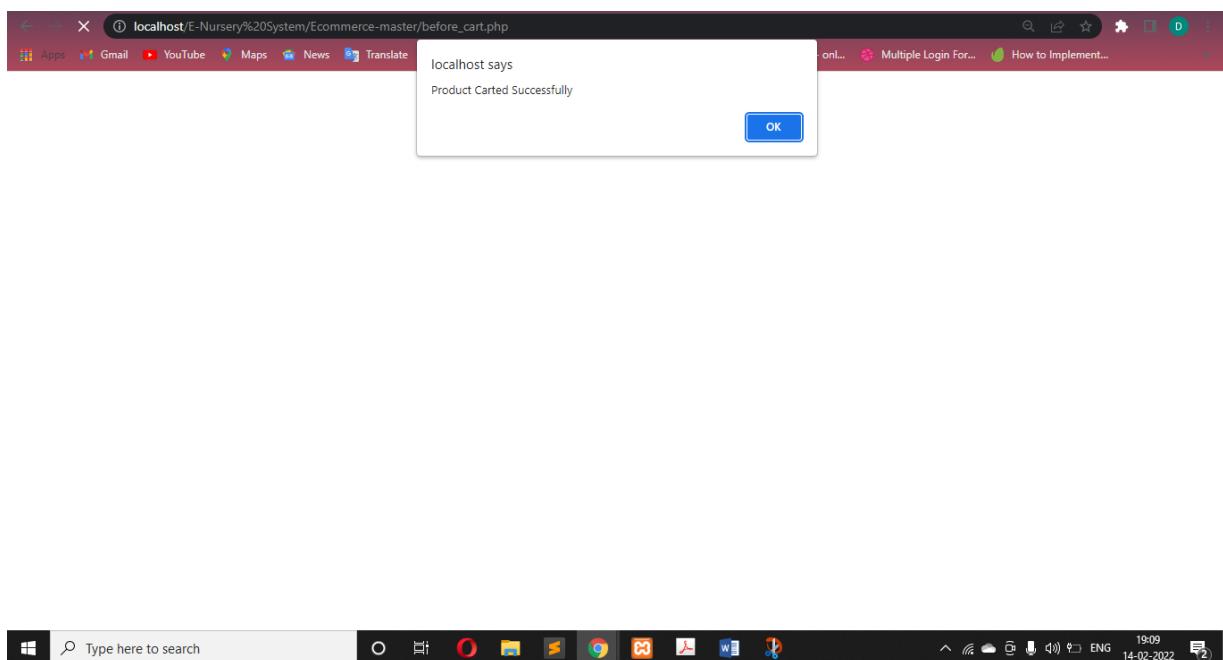
[Figure: Giving Rating]



[Figure: Rated Successfully]



[Figure: Add Product to cart]



[Figure: Product carted successfully]

localhost/E-Nursery%20System/Ecommerce-master/cart.php

Cart									
Product name	Product description	Product image-1	Product image-2	Product Price	Product stock	Product quantity	Product Subtotal	Actions	
Beautiful Peace Lily Plant	Plant Name- Peace Lily Plant Type- Air Purifying Plant Placement- Indoors Plant Height- Upto 6 inches One Plant in 6 to 8-inch-diameter containers can clean the air in roughly 100 square feet of floor space. Plastic Pot			200	2	<input type="text" value="1"/>	200		

Total 200

[Place Order →](#)

[Figure: Cart]

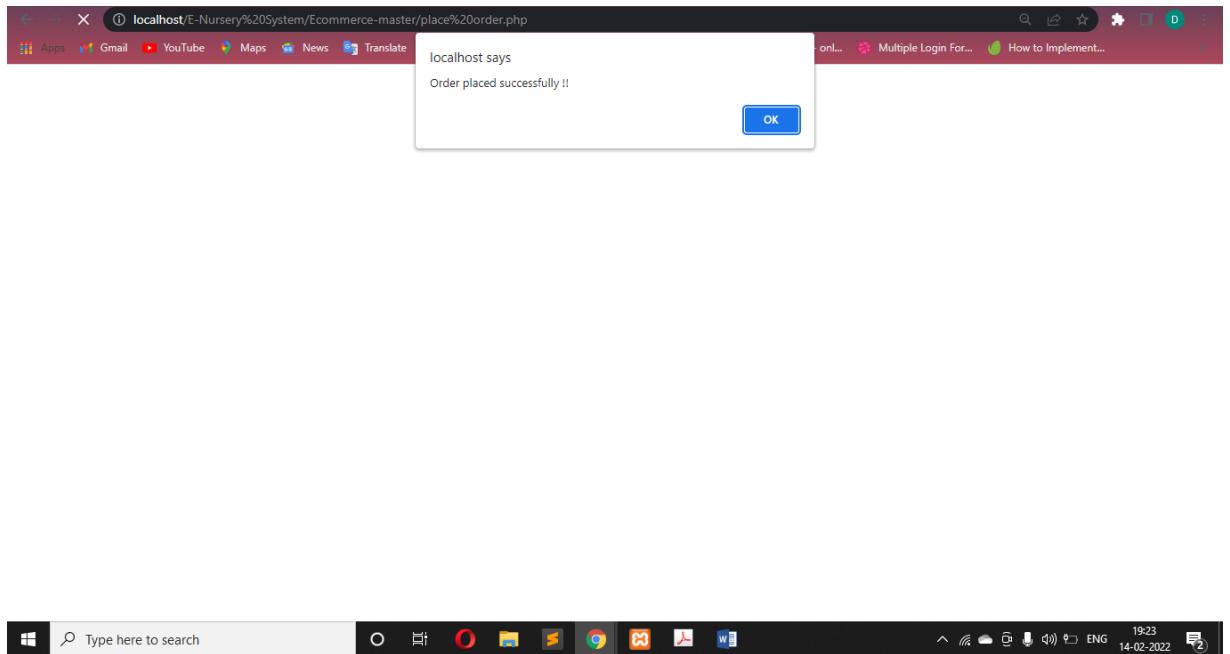
localhost/E-Nursery System/Ecommerce-master/place order.php

Cart									
Product name	Product description	Product image-1	Product image-2	Product Price	Product stock	Product quantity	Product Subtotal	Actions	
Beautiful Peace Lily Plant	Plant Name- Peace Lily Plant Type- Air Purifying Plant Placement- Indoors Plant Height- Upto 6 inches One Plant in 6 to 8-inch-diameter containers can clean the air in roughly 100 square feet of floor space. Plastic Pot			200	2	<input type="text" value="2"/>	400		

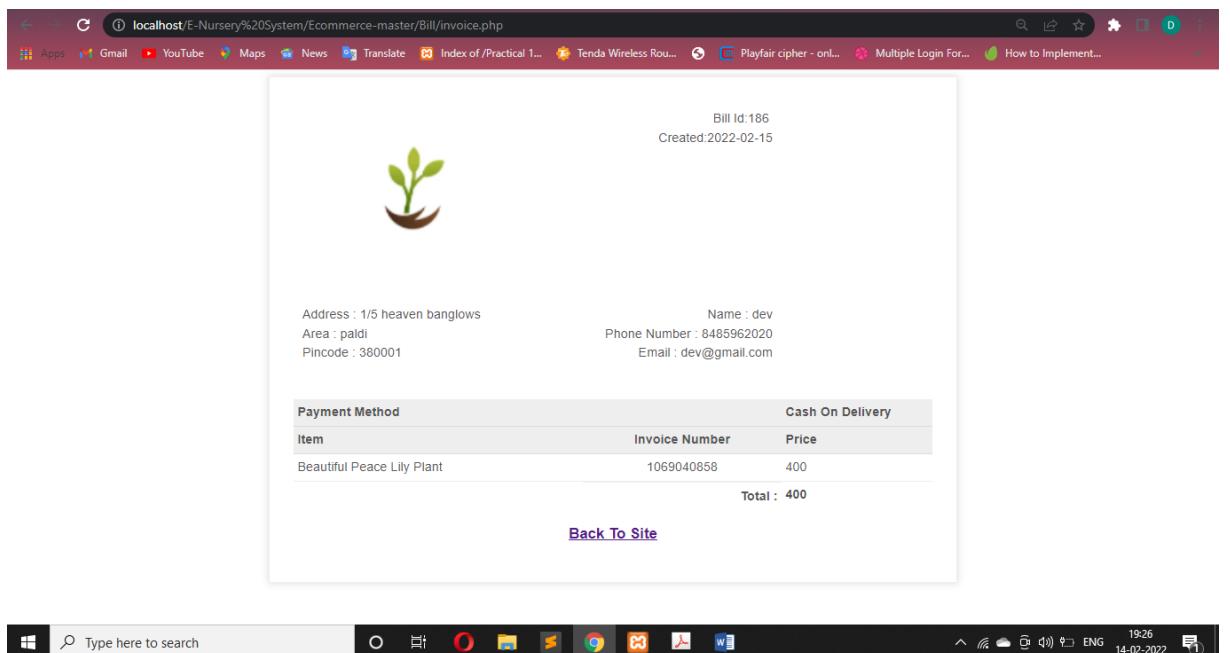
Total 400

[Place Order →](#)

[Figure: Place Order]



[Figure: Order Placed Successfully]



[Figure: Bill of Orders]

Your Order Page: -

The screenshot shows a web browser window for 'localhost/E-Nursery%20System/Ecommerce-master/customer_order.php'. The page title is 'Your Order'. At the top, there is a navigation bar with links: Home, Products, About, Contact, Account, Logout, and a shopping bag icon labeled 'Your Order'. On the left, there is a logo for 'E-Nursery System' featuring a small plant. The main content area displays a table for the 'Your Order' cart. The table has columns: Product name, Product description, Product image-1, Product image-2, Product Price, Product quantity, Product Subtotal, and Order Cancel. One item is listed: 'Beautiful Peace Lily Plant'. The product description states: 'Plant Name- Peace Lily Plant Plant Type- Air Purifying Plant Plant Placement- Indoors Plant Height- Upto 6 inches One Plant in 6 to 8-inch-diameter containers can clean the air in roughly 100 square feet of floor space. Plastic Pot'. Below the table, there is a section titled 'Tracking Details' with a red horizontal line. At the bottom right of the page, there are two buttons: 'Get Bill→' and 'Explore Other Product →'.

[Figure: List of Orders]

The screenshot shows a web browser window for 'localhost/E-Nursery%20System/Ecommerce-master/customer_order.php'. A confirmation dialog box is displayed in the center, asking 'Do you really want to cancel this order ?' with 'OK' and 'Cancel' buttons. Behind the dialog, the 'Your Order' page is visible, showing the same cart table and tracking details as the previous screenshot. The table includes the same item: 'Beautiful Peace Lily Plant'. The product description is identical. The tracking details section is also present. At the bottom right, the 'Get Bill→' and 'Explore Other Product →' buttons are visible.

[Figure: Cancelling Orders]

Account Page:

The screenshot shows a web browser window for the URL `localhost/E-Nursery%20System/Ecommerce-master/account.php`. The page title is "Your Account Details". It features a logo of a small green plant in soil with the text "E-Nursery System". The navigation menu includes links for Home, Products, About, user (which is highlighted in red), Contact, Account, Logout, and Your Order. Below the menu, there are input fields for Username ("user"), Email ("user@gmail.com"), Password ("Enter your password"), New Password ("Enter your new password"), and Confirm New Password ("Enter your confirm new password").

[Figure: Account Page (Top)]

This screenshot shows the same account page as above, but with more fields filled out. The "Password" field contains "Enter your password". The "New Password" field contains "Enter your new password". The "Confirm New Password" field contains "Enter your confirm new password". The "Phone Number" field contains "8485962053". The "Your Area" field contains "Sola bhagvat". The "Change Area" dropdown menu is open, showing "Select Area". The "Address" field contains "dxbxbxfafafafafafasf". At the bottom right, there is a red button labeled "Change Details".

[Figure: Account page(Bottom)]

Demonstrate Changing Username:

The screenshot shows a web browser window with the URL `localhost/E-Nursery%20System/Ecommerce-master/account.php`. The page title is "Your Account Details". The "Username" field contains "Elex". Other fields include "Email" (user@gmail.com), "Password" (*****), "New Password" (Enter your new password), "Confirm New Password" (Enter your confirm new password). The "Home" menu item is highlighted in red.

[Figure: Changing username (user to Elex, for update password will required)]

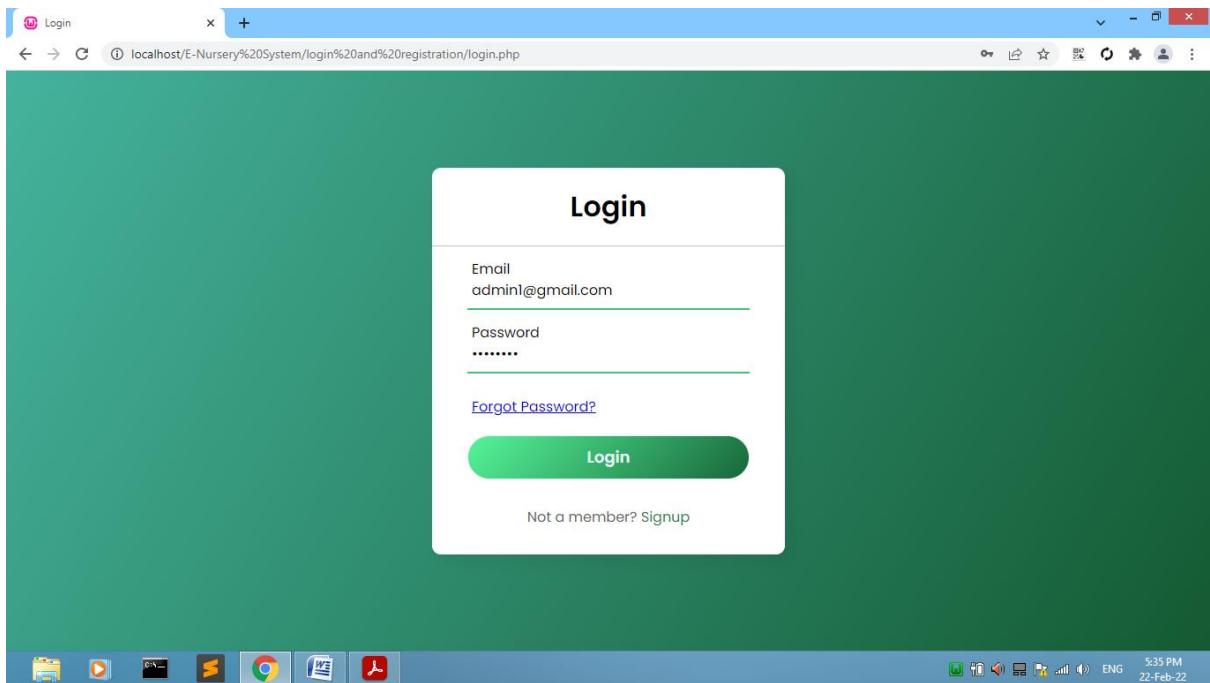
The screenshot shows a web browser window with the URL `localhost/E-Nursery%20System/Ecommerce-master/account.php`. The page displays several input fields: "Password" (*****), "New Password" (Enter your new password), "Confirm New Password" (Enter your confirm new password), "Phone Number" (8485962053), "Your Area" (Sola bhagvat), "Change Area" (Select Area dropdown menu), and "Address" (dhxbxbxfafafafafafasf). A red "Change Details" button is at the bottom.

[Figure: Click on Change Details]

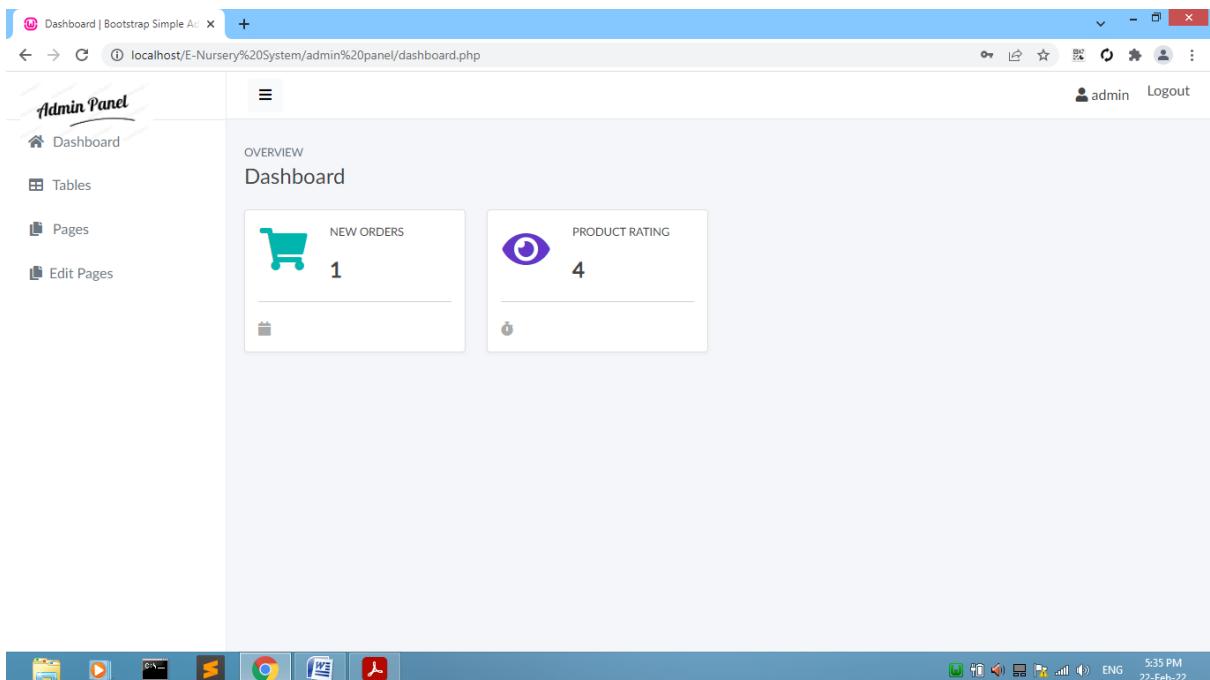


[Figure: User name Changed]

Admin Login:

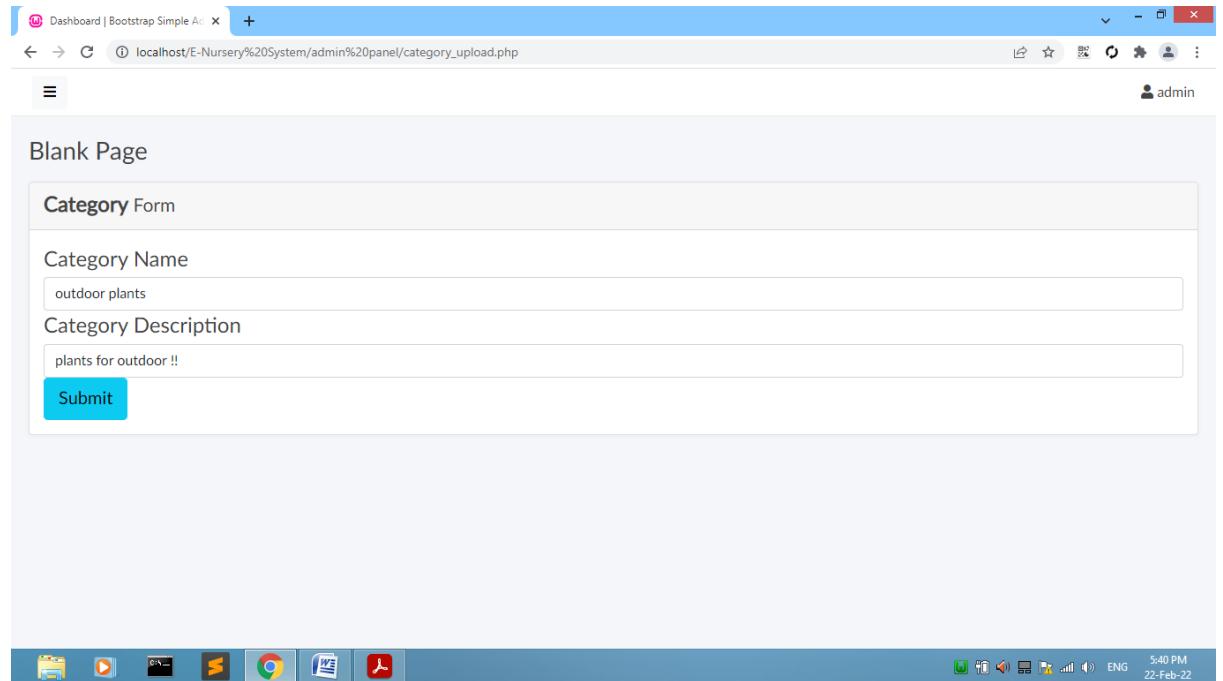


[Figure: Admin Login]

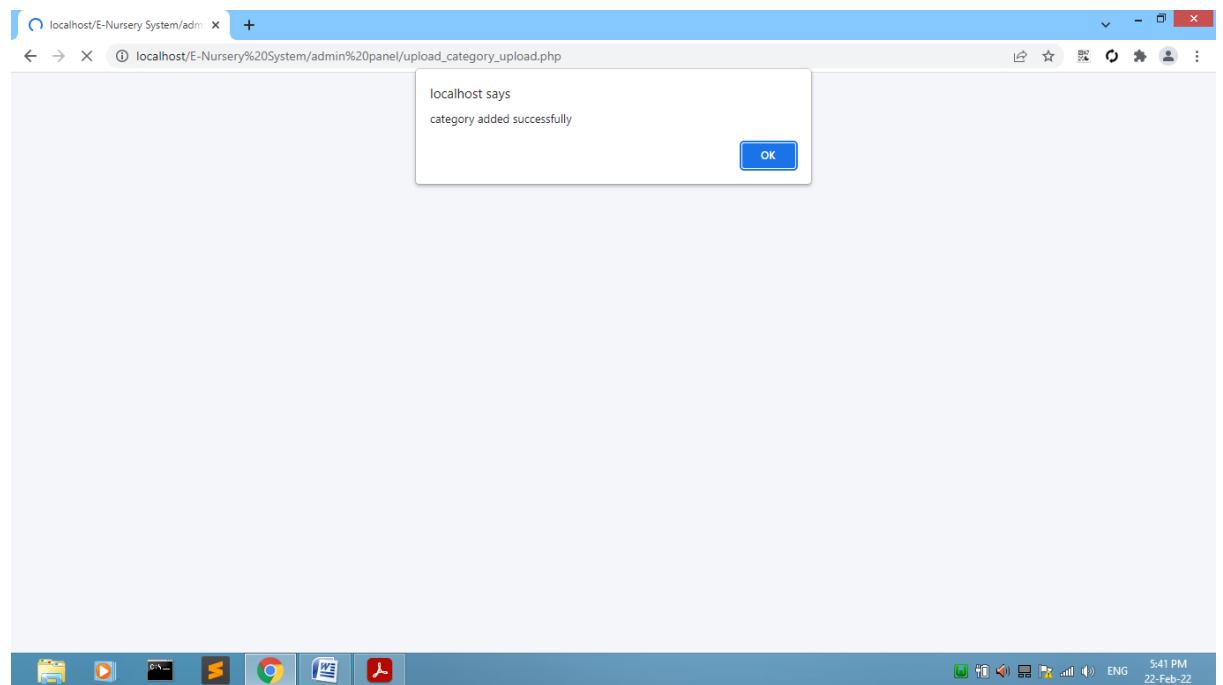


[Figure: Admin Dashboard]

Category Page:



[Figure: Add Category]



[Figure: Category Added Successfully]

Dashboard | Bootstrap Simple Admin

localhost/E-Nursery%20System/admin%20panel/tables.php

Category

ID	Category Name	Category Description	Actions
89	Herbal Plants	Plants which can be used as medicine	
91	Air Purifier Plants	Plant Which Purifies the air	
92	indoor plants	plants for indoor !!	
93	Cactus and Succulents Plants	Cactus and Succulents Plants for decors !!	
94	Occasions	plant which you can give someone on any occasion !	
97	Planters	Different kind of planters	
100	Assesories	Assesories for plant	
103	outdoor plants	plants for outdoor !!	

5:41 PM 22-Feb-22

[Figure: Category Display]

Dashboard | Bootstrap Simple Admin

localhost/E-Nursery%20System/admin%20panel/category_upload.php

Blank Page

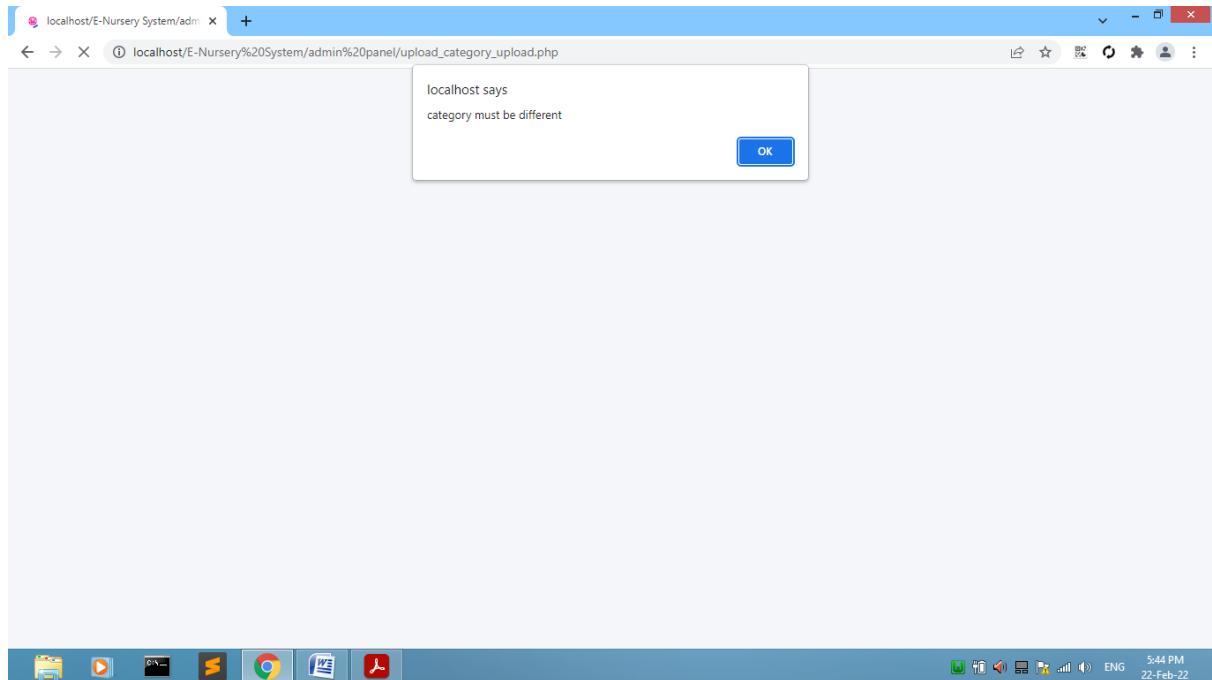
Category Form

Category Name

Category Description

5:43 PM 22-Feb-22

[Figure: Re-Enter Category Name or Description]



[Figure: Category Validation]

A screenshot of the E-Nursery System admin panel. The top navigation bar shows "Dashboard | Bootstrap Simple Admin". The main content area has two sections: "Category" and "Subcategory".

Category:

ID	Category Name	Category Description	Actions
89	Herbal Plants	Plants which can be used as medicine	
91	Air Purifier Plants	Plant Which Purifies the air	
92	indoor plants	plants for indoor !!	
93	Cactus and Succulents Plants	Cactus and Succulents Plants for decors !!	
94	Occasions	plant which you can give someone on any occasion !	
97	Planters	Different kind of planters	
100	Assesories	Assesories for plant	
103	outdoor plants	plants for outdoor !!	

Subcategory:

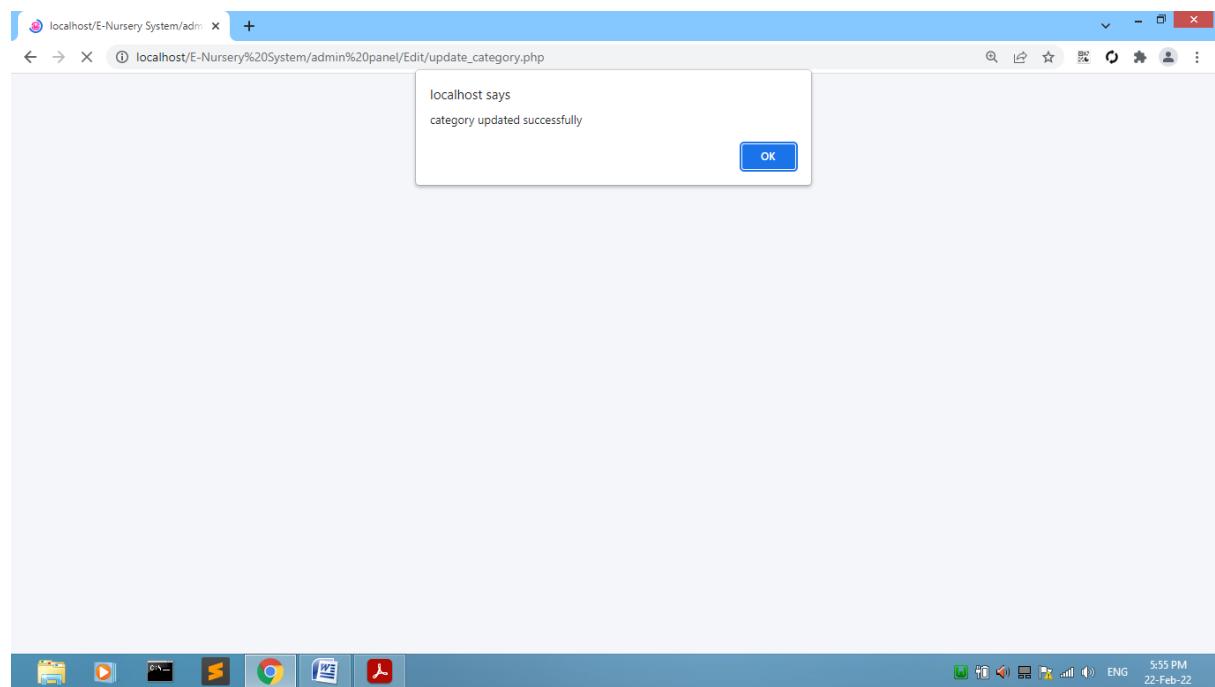
localhost/E-Nursery System/admin panel/Edit/category_edit.php?category_id=103&&category_name=outdoor plants &&category_desc=plants for outdoor !!

The status bar at the bottom shows "5:44 PM 22-Feb-22".

[Figure: Category Edit]

The screenshot shows a web browser window titled "Dashboard | Bootstrap Simple Admin". The URL is "localhost/E-Nursery%20System/admin%20panel/Edit/category_edit.php?category_id=103&&category_name=outdoor%20plants%20&&category_desc=...". The page title is "Category Form". It contains a form with two fields: "Category Name" containing "outdoor plant" and "Category Description" containing "plant outdoor". A blue "Submit" button is at the bottom. The browser's address bar and taskbar are visible at the top and bottom respectively.

[Figure: Edit Category Name or Description]



[Figure: Category Edited]

Dashboard | Bootstrap Simple Admin

localhost/E-Nursery%20System/admin%20panel/tables.php

User ID: user1001 User Email: user100@gmail.com Account ID: Acc0123456 Date: 04-05-2020 Status: Statistics

Category

Add Category

ID	Category Name	Category Description	Actions
89	Herbal Plants	Plants which can be used as medicine	
91	Air Purifier Plants	Plant Which Purifies the air	
92	indoor plants	plants for indoor !!	
93	Cactus and Succulents Plants	Cactus and Succulents Plants for decors !!	
94	Occasions	plant which you can give someone on any occasion !	
97	Planters	Different kind of planters	
100	Assesories	Assesories for plant	
103	outdoor plant	plant outdoor	

localhost/E-Nursery System/admin panel/delete category record.php?category_id=..

5:56 PM 22-Feb-22 ENG

[Figure: Display Category Edited]

Dashboard | Bootstrap Simple Admin

localhost/E-Nursery%20System/admin%20panel/tables.php

User ID: user1001 User Email: user100@gmail.com Account ID: Acc0123456 Date: 04-05-2020 Status: Statistics

Category

Add Category

ID	Category Name	Category Description	Actions
89	Herbal Plants	Plants which can be used as medicine	
91	Air Purifier Plants	Plant Which Purifies the air	
92	indoor plants	plants for indoor !!	
93	Cactus and Succulents Plants	Cactus and Succulents Plants for decors !!	
94	Occasions	plant which you can give someone on any occasion !	
97	Planters	Different kind of planters	
100	Assesories	Assesories for plant	
103	outdoor plant	plant outdoor	

localhost says
are you really want to delete this record ?

OK Cancel

5:56 PM 22-Feb-22 ENG

[Figure: Category Delete]

Dashboard | Bootstrap Simple Admin

localhost/E-Nursery%20System/admin%20panel/tables.php

Category

Add Category

ID	Category Name	Category Description	Actions
89	Herbal Plants	Plants which can be used as medicine	
91	Air Purifier Plants	Plant Which Purifies the air	
92	indoor plants	plants for indoor !!	
93	Cactus and Succulents Plants	Cactus and Succulents Plants for decors !!	
94	Occasions	plant which you can give someone on any occasion !	
97	Planters	Different kind of planters	
100	Assesories	Assesories for plant	

5:56 PM 22-Feb-22

[Figure: Category Deleted]

Subcategory Page:

Admin Panel

localhost/E-Nursery%20System/admin%20panel/subcategory_upload.php

Subcategory Form

Make Subcategory Of : Occasions

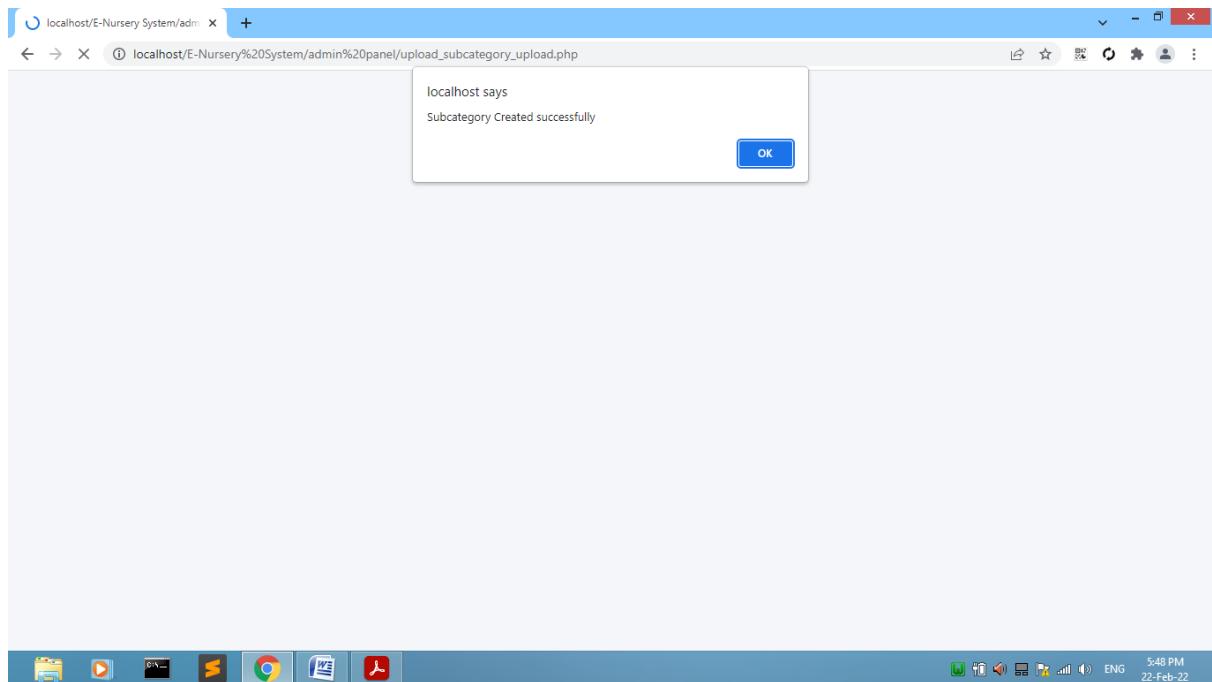
Subcategory Name
Gifting Plants

Subcategory Description
plants for gifting

Submit

5:47 PM 22-Feb-22

[Figure: Add Subcategory]



[Figure: Subcategory Added Successfully]

Subcategory				
ID	Category Name	Subcategory Name	Subcategory Description	Actions
95	Occasions	Birthday	plant which can be gifted in birthdays !	
96	Occasions	Anniversary	plant which can be gifted in Anniversaries !	
98	Planters	Ceramic Planters	Planter/Pot/Vase Which are made of ceramic	
99	Planters	Metal Planters	Planters of Metal	
101	Assesories	seeds and fertilizers	seeds and fertilizers for plant growth	
102	Assesories	Gardening Tools	Tools which required to manage plant !	
105	Occasions	Gifting Plants	plants for gifting	

Products

Add Product

The browser's taskbar at the bottom shows various icons, and the system tray indicates the date and time as 22-Feb-22.

[Figure: Subcategory Display]

Admin Panel

localhost/E-Nursery%20System/admin%20panel/subcategory_upload.php

admin

Subcategory Form

Make Subcategory Of : Occasions

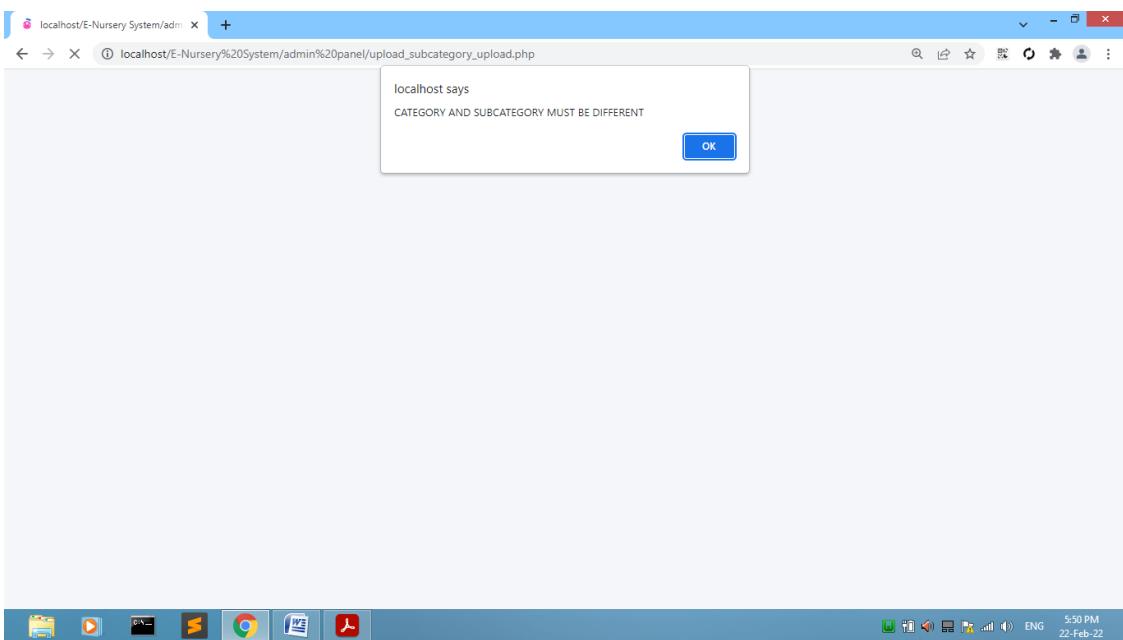
Subcategory Name
Gifting Plants

Subcategory Description
plant for gift

Submit

5:49 PM
22-Feb-22

[Figure: Re-Enter Subcategory Name or Description]



[Figure: Subcategory Validation]

Dashboard | Bootstrap Simple Admin

localhost/E-Nursery%20System/admin%20panel/tables.php

	97	Planters	Different kind of planters		
	100	Assesories	Assesories for plant		
Subcategory					
ID	Category Name	Subcategory Name	Subcategory Description	Actions	
95	Occasions	Birthday	plant which can be gifted in birthdays !		
96	Occasions	Anniversary	plant which can be gifted in Anniversaries !		
98	Planters	Ceramic Planters	Planter/Pot/Vase Which are made of ceramic		
99	Planters	Metal Planters	Planters of Metal		
101	Assesories	seeds and fertilizers	seeds and fertilizers for plant growth		
102	Assesories	Gardening Tools	Tools which required to manage plant !		
105	Occasions	Gifting Plants	plants for gifting		

localhost/E-Nursery System/admin panel/Edit/subcategory_edit.php?subcategory_id=105&&parent_id=94

5:57 PM 22-Feb-22

[Figure: Subcategory Edit]

Dashboard | Bootstrap Simple Admin

localhost/E-Nursery%20System/admin%20panel/Edit/subcategory_edit.php?subcategory_id=105&&parent_id=94

admin

Blank Page

Subcategory Form

Category:
Occasions

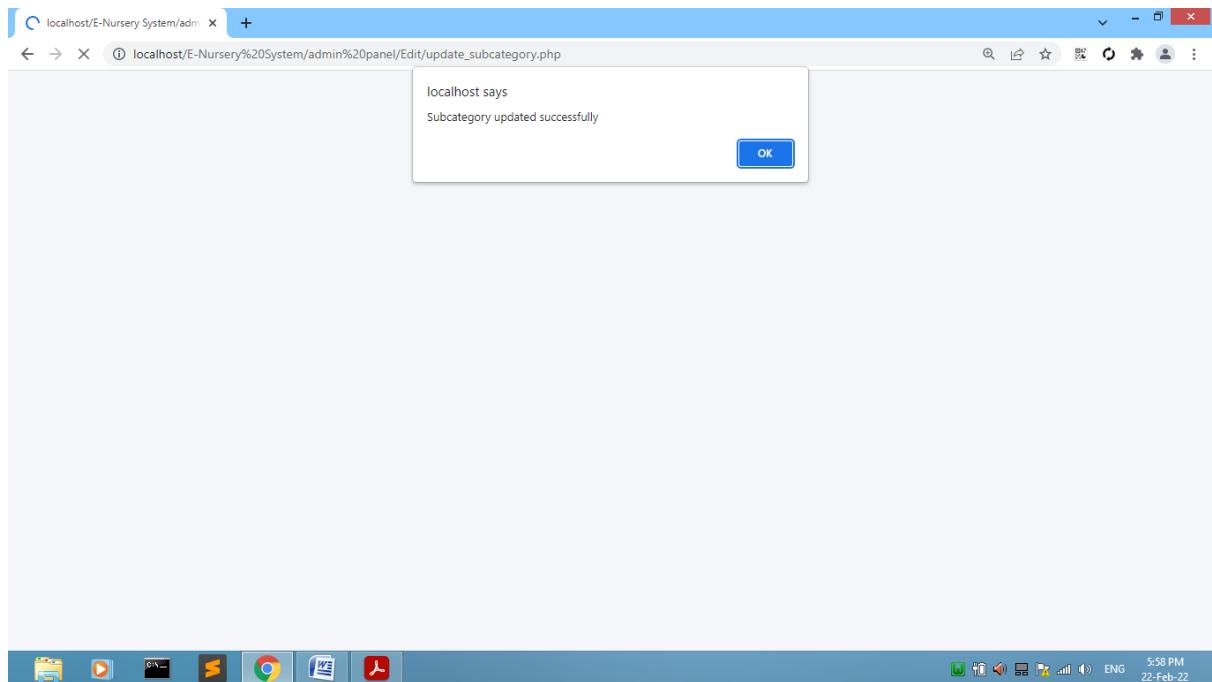
Subcategory Name
Gifting Plants

Subcategory Description
all gifting plants is here !!

Submit

5:58 PM 22-Feb-22

[Figure: Edit Subcategory]



[Figure: Subcategory Edited Successfully]

A screenshot of a web application titled "Dashboard | Bootstrap Simple Admin". The address bar shows the URL "localhost/E-Nursery%20System/admin%20panel/tables.php". The main content area displays a table of subcategories:

ID	Category Name	Subcategory Name	Subcategory Description	Actions
97	Planters	Different kind of planters		
100	Assesories	Assesories for plant		
Subcategory				
95	Occasions	Birthday	plant which can be gifted in birthdays !	
96	Occasions	Anniversary	plant which can be gifted in Anniversaries !	
98	Planters	Ceramic Planters	Planter/Pot/Vase Which are made of ceramic	
99	Planters	Metal Planters	Planters of Metal	
101	Assesories	seeds and fertilizers	seeds and fertilizers for plant growth	
102	Assesories	Gardening Tools	Tools which required to manage plant !	
105	Occasions	Gifting Plants	all gifting plants is here !!	

The browser's taskbar at the bottom shows various open tabs and system icons.

[Figure: Display Subcategory Edited]

Dashboard | Bootstrap Simple Admin

localhost/E-Nursery%20System/admin%20panel/tables.php

97	Planters	Different kind of planters		
100	Assesories	Assesories for plant		

Subcategory

+ Add Subcategory

ID	Category Name	Subcategory Name	Subcategory Description	Actions	
95	Occasions	Birthday	plant which can be gifted in birthdays !		
96	Occasions	Anniversary	plant which can be gifted in Anniversaries !		
98	Planters	Ceramic Planters	Planter/Pot/Vase Which are made of ceramic		
99	Planters	Metal Planters	Planters of Metal		
101	Assesories	seeds and fertilizers	seeds and fertilizers for plant growth		
102	Assesories	Gardening Tools	Tools which required to manage plant !		
105	Occasions	Gifting Plants	all gifting plants is here !!		

localhost/E-Nursery System/admin panel/delete category record.php?category_id=105

5:59 PM 22-Feb-22

[Figure: Subcategory Delete]

Dashboard | Bootstrap Simple Admin

localhost/E-Nursery%20System/admin%20panel/tables.php

97	Planters			
100	Assesories			

localhost says
are you really want to delete this record ?

OK Cancel

Subcategory

+ Add Subcategory

ID	Category Name	Subcategory Name	Subcategory Description	Actions	
95	Occasions	Birthday	plant which can be gifted in birthdays !		
96	Occasions	Anniversary	plant which can be gifted in Anniversaries !		
98	Planters	Ceramic Planters	Planter/Pot/Vase Which are made of ceramic		
99	Planters	Metal Planters	Planters of Metal		
101	Assesories	seeds and fertilizers	seeds and fertilizers for plant growth		
102	Assesories	Gardening Tools	Tools which required to manage plant !		
105	Occasions	Gifting Plants	all gifting plants is here !!		

localhost/E-Nursery System/admin panel/delete category record.php?category_id=105

5:59 PM 22-Feb-22

[Figure: Subcategory Delete]

The screenshot shows a web application dashboard titled "Dashboard | Bootstrap Simple Admin". The main content area is titled "Different kind of planters". A table lists subcategories under the category "Assesories".

ID	Category Name	Subcategory Name	Subcategory Description	Actions
95	Occasions	Birthday	plant which can be gifted in birthdays !	
96	Occasions	Anniversary	plant which can be gifted in Anniversaries !	
98	Planters	Ceramic Planters	Planter/Pot/Vase Which are made of ceramic	
99	Planters	Metal Planters	Planters of Metal	
101	Assesories	seeds and fertilizers	seeds and fertilizers for plant growth	
102	Assesories	Gardening Tools	Tools which required to manage plant !	

Below the table, there is a section titled "Products" with a "Add Product" button and a toolbar with various icons.

[Figure: Subcategory Display]

The screenshot shows a web application dashboard titled "Dashboard | Bootstrap Simple Admin". The main content area is titled "Tables". A table lists areas.

ID	Area Name	Pincode	Actions
8	paldi	380001	
11	Amraiwadi	380026	
12	Sola bhagvat	380061	
13	New Ranip	380063	

Below the table, there is a section titled "Users" with a table showing user details like Name, Email, Password, Confirm Password, Phone number, Area, Address, Pincode, Gender, and Action.

[Figure: Area Table]

Dashboard | Bootstrap Simple Admin

localhost/E-Nursery%20System/admin%20panel/tables.php

admin Logout

Tables

Area				Add Area
ID	Area Name	Pincode	Actions	
8	paldi	380001		
11	Amraiwadi	380026		
12	Sola bhagvat	380061		
14	New Ranip	380063		

Users										
ID	Name	Email	Password	Confirm Password	Phone number	Area	Address	Pincode	Gender	Action

localhost/E-Nursery System/admin panel/Edit/area_edit.php?area_id=14

6:22 PM 22-Feb-22 ENG

[Figure: Area Edit]

Dashboard | Bootstrap Simple Admin

localhost/E-Nursery%20System/admin%20panel/Edit/area_edit.php?area_id=14

admin

Area Form

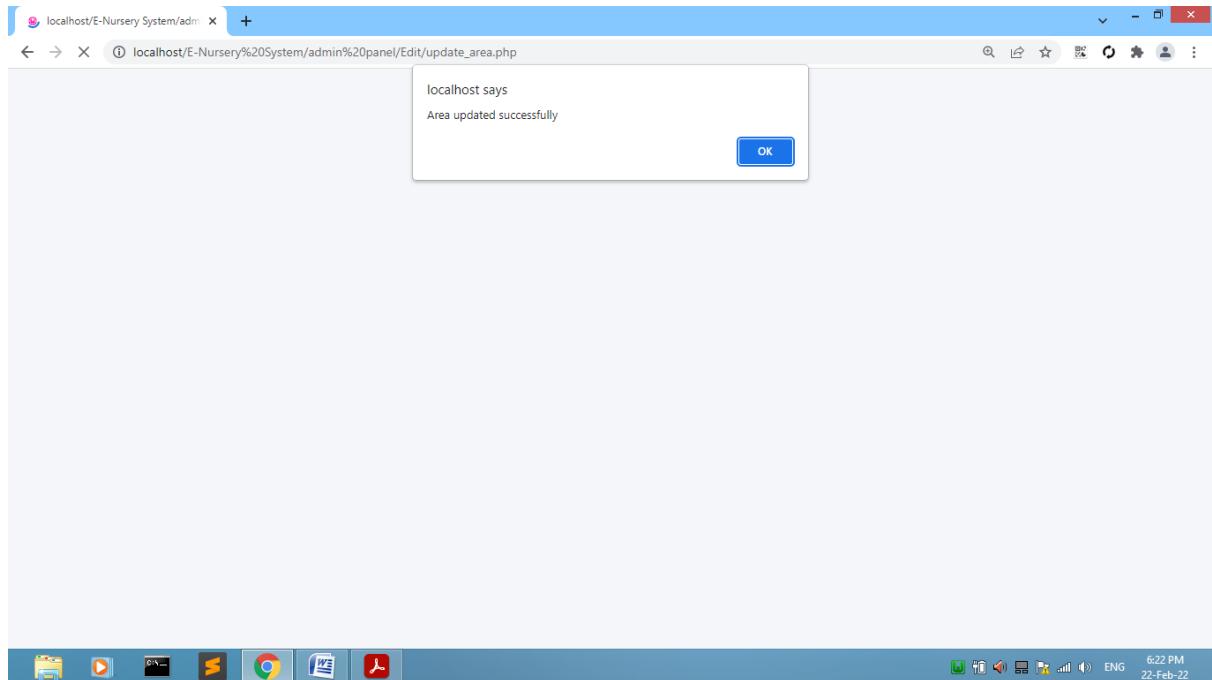
Area Name

Pincode

Submit

6:22 PM 22-Feb-22 ENG

[Figure: Area Edit Name or Pin code]



[Figure: Area Edited Successfully]

A screenshot of a web application dashboard titled "Dashboard | Bootstrap Simple Admin". The URL in the address bar is "localhost/E-Nursery%20System/admin%20panel/tables.php". The page displays two tables: "Tables" and "Users".

Tables
Area

ID	Area Name	Pincode	Actions
8	paldi	380001	
11	Amraiwadi	380026	
12	Sola bhagvat	380061	
14	Ranip	380065	

Users

ID	Name	Email	Password	Confirm Password	Phone number	Area	Address	Pincode	Gender	Action
----	------	-------	----------	------------------	--------------	------	---------	---------	--------	--------

[Figure: Area Display Edited]

The screenshot shows a web browser window with a blue header bar. The title bar says "Dashboard | Bootstrap Simple Admin". Below it, the address bar shows "localhost/E-Nursery%20System/admin%20panel/tables.php". The main content area has a sidebar with a "Tables" section. Under "Tables", there are two tables: "Area" and "Users". The "Area" table has columns: ID, Area Name, Pincode, and Actions. It contains four rows with IDs 8, 11, 12, and 13. The "Actions" column for each row contains two icons: a trash can and a pencil. The row with ID 13 is highlighted with a red border. A modal dialog box is overlaid on the page, asking "localhost says are you really want to delete this record ?" with "OK" and "Cancel" buttons. At the bottom of the browser window, there is a toolbar with various icons and a status bar showing "6:20 PM 22-Feb-22 ENG".

[Figure: Area Delete]

This screenshot is identical to the one above, except the row with ID 13 has been deleted from the "Area" table. The table now only contains three rows with IDs 8, 11, and 12. The modal dialog box is still present, asking "localhost says are you really want to delete this record ?" with "OK" and "Cancel" buttons.

[Figure: Area Delete]

Dashboard | Bootstrap Simple Admin

localhost/E-Nursery%20System/admin%20panel/tables.php

admin Logout

Tables

Area		Actions	
ID	Area Name	Pincode	
8	paldi	380001	
11	Amraiwadi	380026	
12	Sola bhagvat	380061	

Users										
ID	Name	Email	Password	Confirm Password	Phone number	Area	Address	Pincode	Gender	Action
1	admin	admin1@gmail.com	12345678	12345678	8545655	ddad	adda	380026	male	

6:21 PM 22-Feb-22

[Figure: Area Display]

Dashboard | Bootstrap Simple Admin

localhost/E-Nursery%20System/admin%20panel/tables.php

admin Logout

14	Ranip	380065	
----	-------	--------	--

Users										
ID	Name	Email	Password	Confirm Password	Phone number	Area	Address	Pincode	Gender	Action
1	admin	admin1@gmail.com	12345678	12345678	8545655	ddad	adda	380026	male	
3	user1	user1@gmail.com	Abcd1234@@	Abcd1234@@	8485962020	Vasna	ssgsgssggssg	380026	Male	
5	user	user@gmail.com	Abcd1234@	Abcd1234@	8485962053	Sola bhagvat	dhxbxbbxfafafafafafasf	380061	male	
10	user1001	user100@gmail.com	Abcd1234@	Abcd1234@	8485962020	paldi	sfsfdfsfafs	380001	Male	

Category				Actions	
ID	Category Name	Category Description			

6:23 PM 22-Feb-22

[Figure: Users Table]

ID	Name	Email	Password	Confirm Password	Phone number	Area	Address	Pincode	Gender	Action
1	admin	admin1@gmail.com	12345678	12345678	8545655	ddad	adda	380026	male	
3	user1	user1@gmail.com	Abcd1234@@	Abcd1234@@	8485962020	Vasna	ssgsgssggssg	380026	Male	
5	user	user@gmail.com	Abcd1234@	Abcd1234@	8485962053	Sola bhagvat	dhxxbbxafafafafafasaf	380061	male	
10	user1001	user100@gmail.com	Abcd1234@	Abcd1234@	8485962020	paldi	sfsfdfsfsfs	380001	Male	

[Figure: User Delete]

ID	Name	Email	Password	Confirm Password	Phone number	Area	Address	Pincode	Gender	Action
1	admin	admin1@gmail.com	12345678	12345678	8545655	ddad	adda	380026	male	
3	user1	user1@gmail.com	Abcd1234@@	Abcd1234@@	8485962020	Vasna	ssgsgssggssg	380026	Male	
5	user	user@gmail.com	Abcd1234@	Abcd1234@	8485962053	Sola bhagvat	dhxxbbxafafafafasaf	380061	male	
10	user1001	user100@gmail.com	Abcd1234@	Abcd1234@	8485962020	paldi	sfsfdfsfsfs	380001	Male	

[Figure: User Delete]

The screenshot shows a web application titled "Dashboard | Bootstrap Simple Admin" at the URL "localhost/E-Nursery%20System/admin%20panel/tables.php". The main content area displays a table of users with columns: ID, Name, Email, Password, Confirm Password, Phone number, Area, Address, Pincode, Gender, and Action. The table contains three rows of data. Below the table, there is a section titled "Category" with a "Add Category" button and a toolbar with various icons.

ID	Name	Email	Password	Confirm Password	Phone number	Area	Address	Pincode	Gender	Action
1	admin	admin1@gmail.com	12345678	12345678	8545655	ddad	adda	380026	male	Delete
5	user	user@gmail.com	Abcd1234@	Abcd1234@	8485962053	Sola bhagvat	dhxbxbxfafafafafasf	380061	male	Delete
10	user1001	user100@gmail.com	Abcd1234@	Abcd1234@	8485962020	paldi	sfsfdgsfs	380001	Male	Delete

[Figure: Users Display]

The screenshot shows a web application titled "Dashboard" at the URL "localhost/E-Nursery%20System/admin%20panel/dashboard.php". The main content area displays an "OVERVIEW" section with two cards: "NEW ORDERS" (3) and "PRODUCT RATING" (2).

OVERVIEW	
NEW ORDERS 3	PRODUCT RATING 2

[Figure: Dashboard]

Managing Orders :-

User Name	Product Name	Product Quantity	Initial Price	Subtotal	Order Date	Delivery	Edit Delivery Details	Bill
Elex	Two Layer Bamboo Plant With Smiley Vase	1	1999	1999	2022-02-11			
	Classy Money Plant	3	1000	3000	2022-03-06			
	Grand Total : 4999							
dhrumil	Classy Money Plant	4	1000	4000	2022-02-11			
	Lucky Bamboo & Ficus Compacta Happy Birthday Greet	2	1222	2444	2022-02-11			
	Grand Total : 6444							
mark	Happy Birthday Jade Plant Terrarium	2	700	1400	2022-03-17			
	Grand Total : 1400							

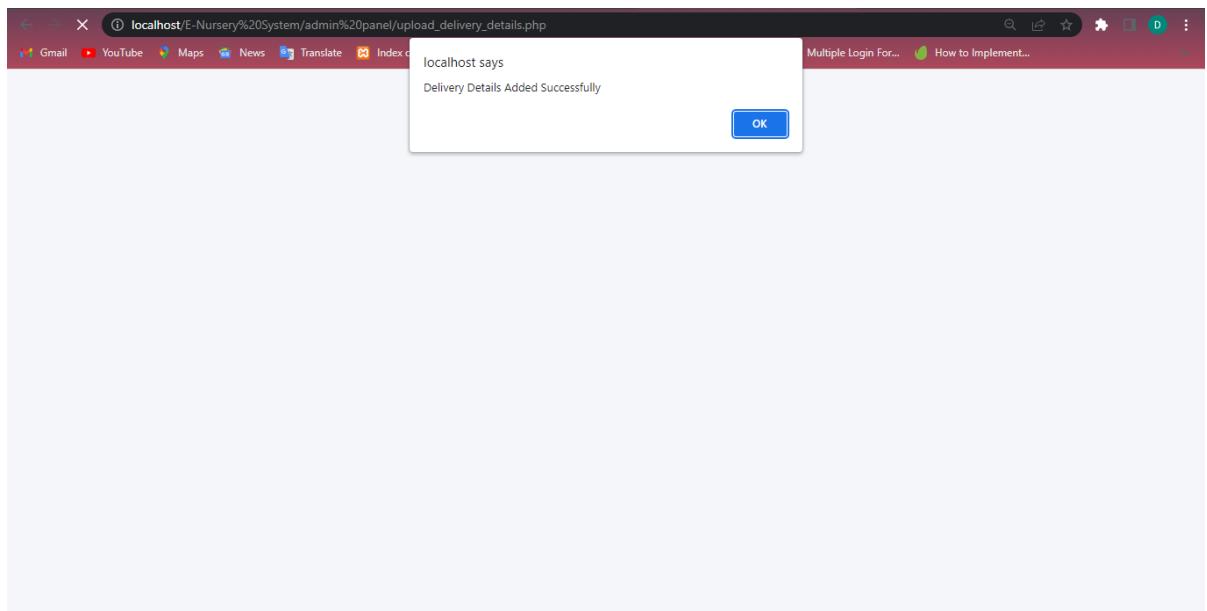
[Figure: Orders of the customer]

Bill Id:186 Created:2022-03-06	
Address : dhhxbxbxfafafafafafasf	Name : Elex
Area : Sola bhagvat	Phone Number : 8485962053
Pincode : 380061	Email : user@gmail.com
Payment Method	Cash On Delivery
Item	Invoice Number
Happy Birthday Jade Plant Terrarium	1201941695
	Total : 1400
Back To Site	

[Figure: Bill of Elex]

The screenshot shows a web browser window with the URL `localhost/E-Nursery%20System/admin%20panel/delivery_form.php?oid=123`. The page title is "Delivery Form". It contains fields for "Shipping Date" (set to 17-03-2022), "Delivery Status" (set to 0), and a "Delivery Details" text area containing the text "packing !!". A blue "Submit" button is at the bottom.

[Figure: Delivery Details]



[Figure: Delivery Details Added successfully]

Your Order								
Product name	Product description	Product image-1	Product image-2	Product Price	Product quantity	Product Subtotal	Order Cancel	
Two Layer Bamboo Plant With Smiley Vase	Plant Name- Two Layer Lucky Bamboo Plant Placement- Indoors Plant Height- Upto 5 inches Smiley Cup Ceramic Pot- 4 x 3.5 inches			1999	1	1999		
Classy Money Plant	Plant Name- Money Plant Plant Type- Air Purifying Foliage Plant Placement- Indoors & Outdoors Plant Height- Upto 6 inches Jute Wrapped Plastic Pot- 3 x 3 inches Decorated with Raffia , Take care Tips :- Keep plants in medium light locations, out of direct sunlight. Natural light is best, but some plants can also thrive in office fluorescent light.			1000	3	3000		

Tracking Details

Shipping Date	Delivery Status	Delivery Details
2022-03-17	Not Delivered	packing !!

Total 4999

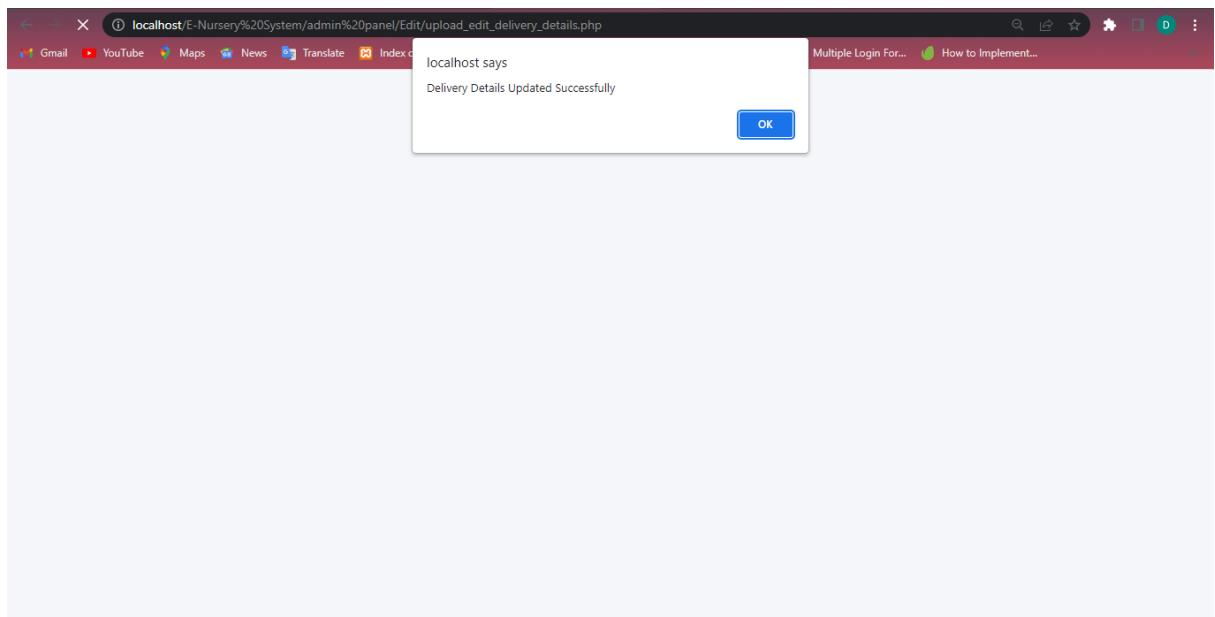
[Figure: Delivery Details are displayed to user]

localhost/E-Nursery%20System/admin%20panel/Edit/edit_delivery_form.php?oid=123

John Doe

Edit Delivery Form	
Shipping Date	<input type="text" value="17-03-2022"/>
Delivery Status	<input type="text" value="0"/>
Delivery Details	<input type="text" value="Shipped From the shop"/>
<input type="button" value="Submit"/>	

[Figure: Updating Delivery Details]



[Figure: Delivery Details Updated Successfully]

The screenshot shows a browser window with the URL localhost/E-Nursery%20System/ECommerce-master/customer_order.php. The page displays a table titled "Your Order" showing two items: "Two Layer Bamboo Plant With Smiley Vase" and "Classy Money Plant". Each item has a product image, a detailed description, and purchase details (Price, Quantity, Subtotal). Below the order table is a section titled "Tracking Details" with columns for "Shipping Date", "Delivery Status", and "Delivery Details". The "Shipping Date" is listed as "2022-03-17", "Delivery Status" as "Not Delivered", and "Delivery Details" as "Shipped From the shop". At the bottom right, there are "Total" and "4999" buttons.

Your Order								
Product name	Product description	Product image-1	Product image-2	Product Price	Product quantity	Product Subtotal	Order	Cancel
Two Layer Bamboo Plant With Smiley Vase	Plant Name- Two Layer Lucky Bamboo Plant Placement- Indoors Plant Height- Upto 5 inches Smiley Cup Ceramic Pot- 4 x 3.5 inches			1999	1	1999		
Classy Money Plant	Plant Name- Money Plant Plant Type- Air Purifying Foliage Plant Placement- Indoors & Outdoors Plant Height- Upto 6 inches Jute Wrapped Plastic Pot- 3 x 3 inches Decorated with Raffia , Take care Tips :- Keep plants in medium light locations, out of direct sunlight. Natural light is best, but some plants can also thrive in office fluorescent light.			1000	3	3000		

Tracking Details		
Shipping Date	Delivery Status	Delivery Details
2022-03-17	Not Delivered	Shipped From the shop

Total 4999

[Figure: Updated delivery details will display to the user]

localhost/E-Nursery%20System/admin%20panel/rating.php

Go To Dashboard

Ratings

Rating						
ID	User name	Product Name	Product img-1	Product img-2	Rating	Actions
2	Elex	Two Layer Bamboo Plant Anniversary Greetings				
3	mark	Ajwain				

Type here to search

[Figure: Rating Page]

localhost/E-Nursery%20System/admin%20panel/rating.php

localhost says

are you really want to delete this record ?

OK Cancel

Rating

ID	User name	Product Name	Product img-1	Product img-2	Rating	Actions
2	Elex	Two Layer Bamboo Plant Anniversary Greetings				
3	mark	Ajwain				

localhost/E-Nursery System/admin panel/delete rating.php?id=2

[Figure: Delete Rating]

localhost/E-Nursery%20System/admin%20panel/rating.php

Gmail YouTube Maps News Translate Index of /Practical 1... Tenda Wireless Rou... Playfair cipher - onl... Multiple Login For... How to Implement...

Go To Dashboard Ratings

Rating						
ID	User name	Product Name	Product img-1	Product img-2	Rating	Actions
3	mark	Ajwain				

[Figure: Rating Deleted]

CHAPTER-6

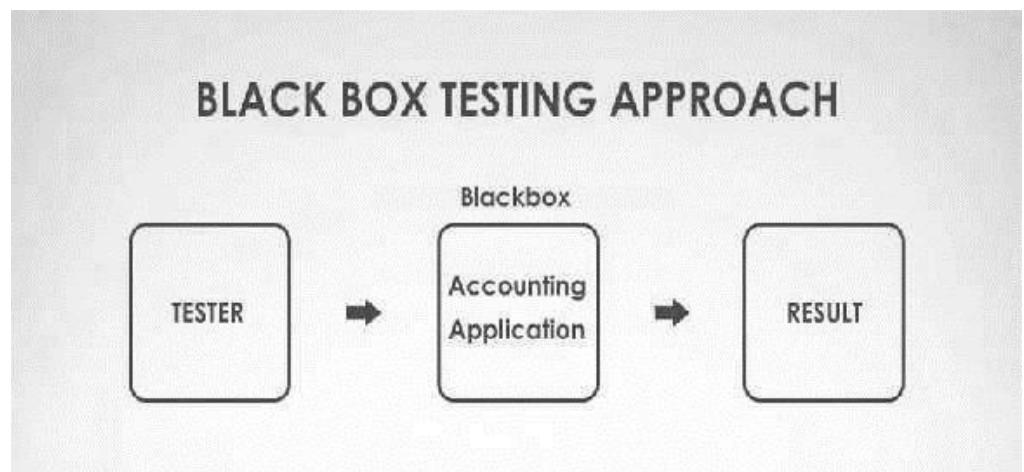
TESTING

6.1 Testing Methods

6.1.1 Black Box Testing

Black Box Testing is also known as Behavioral Testing or Functional Testing. It is a technique of testing without having any knowledge of the internal working of the application.

Black Box Testing treats the software as a “Black Box”- without any knowledge of internal working and it only examines the fundamental aspects of the system. This method of test can be applied to each and every level of software testing such as unit, integration, system and acceptance testing.



[Figure 7: Black Box Testing]

This method attempts to find errors in the following cases:

- Incorrect or missing functions
- Interface Errors
- Errors in structures or external database access
- Behavior or performance errors
- Initialization and termination errors

Advantages:

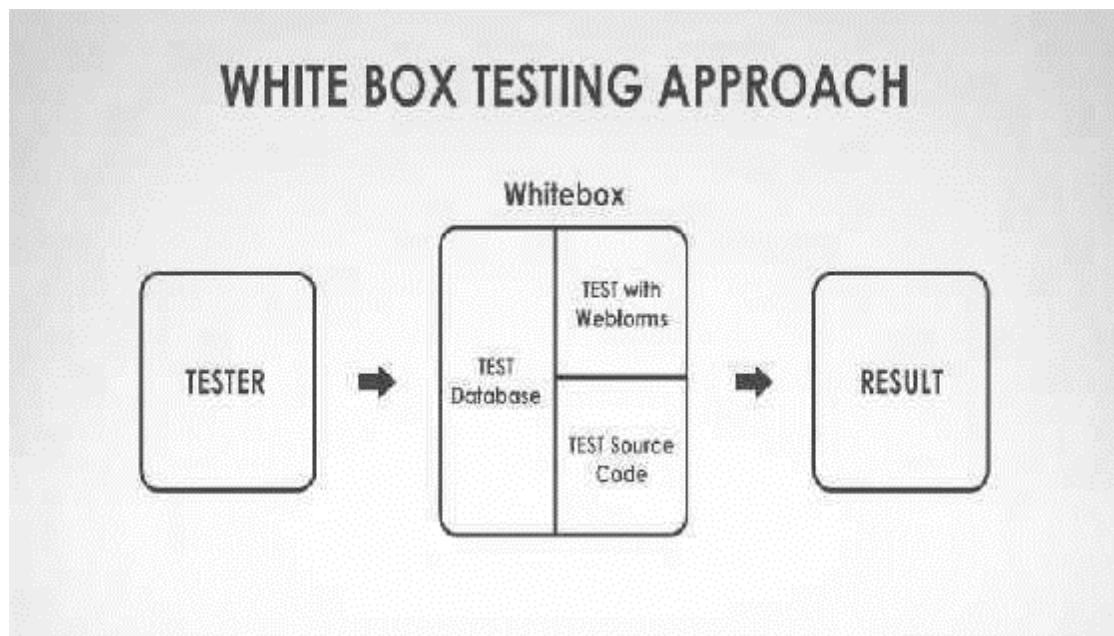
- Unbiased tests because the designer and tester work independently.
- Tester is free from any pressure of knowledge of specific programming languages to test the reliability and functionality of an application / software.
- Test is performed from a user's point-of-view and not of the designer's.
- Test cases can be designed immediately after the completion of specifications.

Disadvantages:

- Testing every possible input stream is not possible because it is time-consuming and this would eventually leave many program paths untested.
- Test cases are extremely difficult to be designed without clear and concise specifications.
- Results might be overestimated at time.
- Cannot be used for testing complex segments of code.

6.1.2 White Box Testing

White Box Testing is a software testing method in which the internal structure/design/implementation of the item being tested is known to the tester. The tester chooses inputs to exercise paths through the code and determines the appropriate outputs. This method is named so because the software program, in the eyes of the tester, is like a white/transparent box; inside which one clearly sees.



[Figure 8: White Box Testing]

The aim of this testing is to investigate the internal logic and structure of the code. That is why white box testing is also known as Structural Testing. Test Cases generated using White Box Testing can:

- Guarantee that all independent paths within a module have been exercised at least once.
- Exercise all decisions whether they are true or false.
- Exercise external data structure of the program.

Advantages:

- Code optimization by revealing hidden errors.
- Transparency of the internal coding structure which is helpful in deriving the type of input data needed to test an application effectively.
- Covers all possible paths of a code thereby, empowering a software engineering team to conduct thorough application testing.
- Enables programmer to introspect because developers can carefully describe any new implementation.
- Gives engineering-based rules to stop testing an application.

Disadvantages:

- Since tests can be very complex, highly skilled resources are required with a thorough knowledge of programming and implementation.
- Test script maintenance can be a burden if the implementation changes too frequently.
- Necessity to create full range of inputs to test each path and condition make the white box testing method time-consuming.
- Exhaustive testing becomes even more complex using the whitebox testing method if the application is of large size.

CONCLUSION

It was a great experience to develop E-Nursery System. In this process, we have learnt a lot. This project has taken us to many phases of project development and gave us real insight. In this process we have learned many things regarding to develop the system.

During project development we got idea how it will be convenient to end user and how it will be fulfilling the aim of the system etc.

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