

# **Online E-Nursery System**

## **GreenScape**

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**B.Sc.(Hons.) in Computer Science  
University Of Calcutta  
2023**

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This project thesis is submitted in partial fulfillment of the  
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# **CERTIFICATE**

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## **ACKNOWLEDGEMENT**

It is our prime duty to express our sincere gratitude to all those who have helped us to complete this project successfully. We want to express our respectful and sincere thanks to our respected and honourable project guide Prof. Samiran Panda, Department of Computer Science, Behala College, for the valuable cooperation, guidance and continuous support rendered by him throughout our project works, which helped us in learning many new things. We are extremely thankful to our teachers for their guidance and constant support rendered by him throughout our project works.

At last we would like to express our thanks and gratitude to Prof. Amitava Biawas, Dept. Co-ordinator, along with other Dept. Teacher, staff and all other classmates for giving needful advice and support for completion of this project.

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## **ABSTRACT**

The main objective of this project on Online E-Nursery System is to build an application program that reduces the manual work for E-Nursery and for managing the details about the customer, product, address, order, stock, delivery, payment.

Nowadays E-commerce websites have become very convenient to purchase products and services online. Online E-nursery is a form of E-commerce that enables Sellers and Customers to directly buy fresh and colorful plants over the internet. Customers can purchase products through 24/7 service comfortably and conveniently.

## **Introduction**

Many people want to buy plants and they directly concerned to the nursery and buy the Plants but sometimes people does not know specific information about particular plant items as well as seller which are not technically skilled. Customer does not compare plant price with other shopkeepers at the same time. Limited Customers reached to the nursery because sometime customer need to travel for long distance as nursery is far from their home.

To overcome these problems we made a E-nursery website named "**GREENSCAPE**". A separate website for plants and their accessories helps customers to view various kinds of products. It offers all the required features to the customers that let them buy, rate, and leave comments on all the products that are available in the store.

Therefore, the idea of "GreenScape" an E-Commerce Website is to provide features to customers like view descriptions, compare prices, can comment on customization ideas, and can follow planting tips that promote gardening. The website recommends customers with the most purchased products, highest-rated products, and recently added products. A chatbot is developed that answers product or order-related queries to customers. After the order is placed, an order confirmation report can be viewed by the client for review. The website provides a convenient and efficient platform for parents and caregivers to purchase plants and gardening supplies for their children's development and education. The website should be user-friendly and interactive, providing detailed information about the plants, their benefits, and how to care for them. Additionally, the website should offer various payment methods and secure transactions to ensure customer satisfaction and trust. By providing high-quality products and excellent customer service, an e-nursery website can establish a loyal customer base and contribute to the growth and development of young children.

## **Modules of the Project:**

- **Admin:**

Admins will be allowed to view and manage customer orders on the website. This includes updating order status, processing refunds, and generating reports. They are also allowed to track inventory levels and update product availability on the website. This helps ensure that customer can purchase products that are in stock. They are allowed to generate reports on website performance. This includes sales data, customer behavior, and other key metrics that can help the admin to make informed decisions about the website.

- **Customer:**

Customer register and login himself in the website. Customer can select the plant item and purchase the plant by comparing prices with different shop Keeper. Purchased plant details will be added to the cart. Help and support feature provides assistance to the customer if they encounter problems or have questions about the website. Customer can pay amount through payment option. If any complaint about the product then customer can give the feedback.

- **Seller:**

The seller module in an e-nursery website allows sellers to create an account, list and manage their products, process orders, and accept payments from customers. It also includes tools for marketing and analytics to help sellers track their sales performance and optimize their online store. Overall, becoming a seller on a platform or marketplace typically involves creating a separate seller account, providing necessary information, setting up their store, and managing their inventory and orders.

## **Objective:**

Main objective of our website is to connect environment with technology. The purpose of this project is to buy plants online easily without visiting the nurseries. And this system helps customer to save time and customers can compare Product's Price with other shopkeeper without spending

much time. To evaluate the extent of use of social-media marketing by nurseries and garden centers. To identify key factors influencing the daily use of social-media marketing by nurseries and garden centers. To examine the impact of social-media marketing use on sales.

## **Domain Description**

This project is based on an online E-Nursery website providing customers with online services of ordering plants and plant related goods. A customer needs to create an account on the website by registering. A user can also change the password of the account if they forget it. The customer can search for any plant by its name in the search bar and buy that item by simply clicking on an 'Add To Cart' button. The item will now be available in the 'cart'. The admin can add, edit and delete products from the database but a customer can add products to and remove them from their personal 'cart' only.

## **Motivation**

The motivation for doing this project was primarily making it easy for people to avail products they need without having to step out of their homes and hop from one shop to another in search for plants. Customers are finding it increasingly difficult to get plants and its related goods in the crowded markets when they run out of the items they already had in their homes, or when they require new items for immediate use.

In light of the current situation, the demand for online shopping services has increased rapidly, so an online E-Nursery website serves the right purpose.

## **Advantages:**

Convenience: Our e-nursery website allows customers to shop for plants and gardening supplies from the comfort of their homes or offices, without the need to physically visit a nursery. This is especially convenient for customers who live far away from a nursery or have busy schedules.

Wider selection: Our e-nursery website can offer a wider selection of plants and gardening supplies than a physical nursery, as they are not limited by physical space constraints.

Information: Our e-nursery website can provide detailed information about each plant, including care instructions, growing conditions, and recommended uses. This information can help customers make informed purchasing decisions and ensure the success of their gardening endeavors.

Competitive pricing: E-nurseries can offer competitive pricing due to lower overhead costs, which can result in savings for customers.

Accessibility: Our e-nursery website is accessible 24/7, allowing customers to shop at any time of the day or night, without being constrained by the operating hours of a physical nursery.

## **Disadvantages:**

Lack of physical interaction: Some customers may prefer the physical experience of visiting a nursery, interacting with staff, and seeing the plants in person before making a purchase.

Shipping concerns: Shipping live plants can be tricky, and there is a risk of damage during transit. This can lead to customer dissatisfaction and additional costs for the e-nursery in terms of replacements and refunds.

Technical difficulties: E-commerce websites can experience technical difficulties, such as website crashes or glitches during the checkout process, which can frustrate customers and impact sales.

Security concerns: E-commerce websites are vulnerable to cyber-attacks and data breaches, which can compromise customer data and damage the e-nursery's reputation.

Overall, our e-nursery website can provide many benefits, but it is important to consider and address potential challenges and limitations.

## **Scope of Our Project:**

Today's technology has been greatly developed and facilitates the work we live in, especially in the field of business, buying and selling and shopping

online, we don't need to be tired anymore to go to the seller's shop, we just need to open the cell phone, connect to an internet connection, open the website and buy whatever we want. With e-commerce users will have facilities that make it easy to buy and know the description of product without the need to ask directly to the person. Some basic points are mentioned below related to what inspire us to do that particular project.

*Love of Plants:* If you have a passion for plants, gardening, or the outdoors, an e-nursery website can be a great way to share your knowledge and enthusiasm with others.

*Entrepreneurship:* Starting an e-nursery website can be an opportunity to start your own business and become an entrepreneur, which can be a source of inspiration and motivation.

*Community Building:* An e-nursery website can be a way to connect with like-minded people and build a community around a shared interest in plants and gardening.

*Environmental concerns:* As people become more aware of the impact of climate change on our planet, there is a growing interest in sustainable practices such as gardening. By starting an e-nursery project, you can promote sustainable gardening practices and help people reduce their carbon footprint.

*Pandemic-related shifts:* The COVID-19 pandemic has caused many people to spend more time at home and to focus on creating comfortable and enjoyable living spaces. Plants have become a popular way to add greenery and life to indoor spaces, and an e-nursery project could cater to this growing demand.

*Access to a wider market:* By creating an online store, an e-nursery project can reach customers all over the world, rather than being limited to a local customer base. This can be particularly advantageous for people who live in remote areas or who want to sell unique or rare plants that may not be available in local nurseries.

We plan to add more features to this application. In the future, the system will provide many Possibilities to make it more user-friendly, send order-related updates by E-mail or SMS. In the future, we will cooperate with the Government and we will present foreign flower and sapling segment.

## **BACKGROUND AND REVIEW OF**

## **RELATED WORK**

## **Software Development Life Cycle**

Software Development Life Cycle (SDLC) is a process followed for a software project, within a software organization. It consists of a detailed plan describing how to develop, maintain, replace and alter or enhance specific software. SDLC defines a methodology for improving the quality of software and the overall development process.

The traditional development methodology called Systems Development Life Cycle (SDLC) consists of a set of development activities that have a prescribed order. Once a problem for the existing Jaico Payroll System 2009 is recognized, a request for developing a new system is forwarded for approval. If approved, a study is conducted to ensure that the proposed System is feasible. If feasible, the System Requirements are specified followed by phases of System design, System implementation, Testing, Conversion and Evaluation. A recycling of development activities may occur following System evaluation if System still requires modification or redevelopment. The term “Development Cycle” is used to acknowledge the importance of recycling in meeting information needs.

## **SDLC Models**

The following 5 Software Development Life Cycle (SDLC) models are used:

1. Waterfall Model
2. Prototyping Model
3. Incremental Model
4. Evolutionary Model
5. Spiral Model

## **Iterative Waterfall Model**

We have used Iterative Waterfall Model for our project.

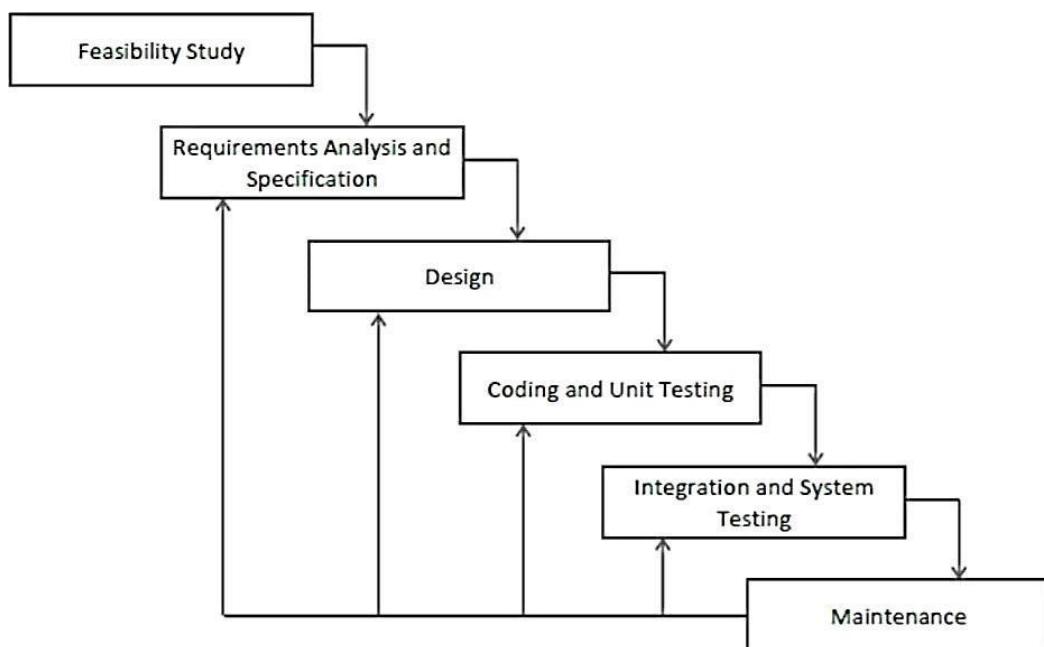
In this model, the software development activity is divided into different phases, and each phase consists of series of tasks and has different objectives. The output of one phase becomes the input of the next phase. Iterative waterfall model provides feedback paths from every phase to its preceding phase.

Once a defect is detected in any phase, engineers need to go back to the phase where the defect has occurred and redo some of the work done during that phase and subsequent phases to correct them and its effect on the later phases.

There is a working model of the system at a very early stage of development, which makes it easier to find functional or design flaws, thus enabling to take corrective measures in a limited budget.

The diagrammatic representation of this model resembles a cascade of waterfalls, thus justifying its name.

### **Diagrammatic Representation of Iterative Waterfall Model:**



### **Application of Iterative Waterfall Model:**

- Major requirements are defined but the minor details might involve as time goes.
- New technologies are being used and there is a learning curve for the programmers to learn.
- Resources are limited to do a huge project as if a small project automates are in contact rather than permanent.
- There is a very high risk as a goal of the project might change from time to time.

### **Advantages of using Iterative Waterfall Model:**

- This model allows the mechanism of error correction because there is a feedback path from one phase to its preceding phase.
- This model is simple to understand and use. It is the most widely used software development model evolved so far.
- Parallel development can be done.

### **Disadvantages of using Iterative Waterfall Model:**

- Sometimes customer requirement changes after development phase starts, and it is difficult to incorporate the requests made for change.
- Project is prone to many types of risks but there is no risk handling mechanism.
- This model is not suitable for a small project.

## **Development Schedule**

Development schedule is one of the important parts of the planning, there are different ways of making development here we used Gantt chart for development schedule. The development schedule must be independent as possible. Ideally the components should be stand-alone so that it does not need any other component to operate. This is only possible for every simple component and more complex component is inevitably having some dependencies on other component. The schedule gives the time estimation of the project. In the project or development of software there are different phases like study, design, implementation and test. Our project also has different phases and each phase takes different time for development.

Our project starts on 03/04/23 and ends on 26/07/23. The total time taken by our project is 124 days. The project consists of different phases like analysis, design, implementation and testing.

**Total Project time: 124 days**

**Analysis - 03/04/23 to 10/04/23 (7 days)**

**Design - 11/04/23 to 30/05/23 (19 days)**

**Implementation - 31/05/23 to 29/06/23 (30 days)**

**Testing – 30/06/23 to 8/07/23 (9 days)**

**Deployment – 10/07/23 to 26/07/23 (16 days)**

## **Functional and Operational Requirements**

Requirement analysis is performed by the senior members of the team with inputs from the customer, the sales department, market surveys and domain experts in the industry. Information regarding what kind of input is required and what output is expected is collected during this stage, and is then used to plan the basic project approach and to conduct product feasibility study in the economical, operational and technical areas.

Planning for the quality assurance requirements and identification of the risks associated with the project is also done.

The first step in the system development life cycle is the preliminary investigation to determine the feasibility of the system. The purpose of the preliminary investigation is to evaluate the project request. It is neither a design study nor does it include the collection of details to describe the system in all respect. Rather it is collection of information that helps the maker to evaluate the merits of the project requests and make an informed judgment about the proposed project. The report analyses accomplish the following objective:

- Clarifying and determining the project request.
- Determining the size of the project.
- Accessing costs and benefits of alternatives approaches.
- Reports of the finding to the organization, with recommendations outlining the acceptance of the proposal.

**Reviewing Organization document:** In this, the investigation is made about the organization involved in, or affected by the project. So the present activities are studied in order to develop a fully automated system. For this, feasibility study is done.

## **Feasibility Study**

Feasibility Study is an analysis that takes all of the project factors into account including Operational, Technical, Economic and Time Feasibility studies to ascertain the likelihood of completing the project successfully.

## **Operational Feasibility**

Proposed project is beneficial only if it can be turned into information systems that will meet the operating requirements of the organization. This feasibility asks if the system will work when it is developed and installed. So, in this project we tested the operational feasibility by determining:

- Whether there is sufficient support for the project from the organization.
- Is the current system being acceptable by them?
- Will the proposed system cause harm?
- Will customers be satisfied with the quality of the products delivered?
- Will suppliers always be able to supply products on time?
- Will the supply of products be enough according to customer's demands?

## **Technical Feasibility**

There are number of technical issues which are generally raised during the technical feasibility. They are determined as follows:

- Does the necessary technology assist to do what is suggested?
- Will the system be easily accessible?
- Can customers easily find the product they want to buy?
- How easy is the process of purchase of a product?
- Can the system be upgraded once developed?
- Security of the system.
- Regular updating of the system.

## **Economic Feasibility**

A system that can be developed technically and that will be used if installed must still be profitable for the organization. The first purpose of this effort is to financially model the venture opportunity and achieve a break-even analysis. These scenarios will be critical in strategic planning, milestone development and venture valuation analysis. Financial benefits must equal or exceed the costs. The analysis raises various financial questions during the investigation to estimate the following:

- The cost of conduct, a full system investigation.
- The cost of hardware and software for the application being used.
- The benefits in the form of cost or fewer costly errors.
- The cost if nothing changes.

To be judged feasible, a proposal for the specific project must pass all these tests. Otherwise it is not considered as economically feasible. In general, requests that do not pass all the feasibility tests are not persuaded further, unless they are modified and resubmitted as new proposals.

## **Time Feasibility**

The required systems development was expected to be successfully completed within the stipulated time, as the constraints of time placed on the process was of crucial importance. Thus it can be finally concluded that the proposed project fulfilled all feasibility requirements, the implementation of the project was progressed with. Thus everything has been done while taking time into consideration.

## **Requirement Analysis and Specification**

The requirement analysis and specification phase starts once feasibility study phase is complete and the project is found to be financially sound and technically feasible. The goal of this phase is to clearly understand the customer requirements and to systematically organize these requirements in a specification document. This phase consists of the following two activities:

### **1) Requirement gathering and analysis:**

System analysts (who gather and analyze customer requirements and write the requirements specification document as SRS) collect data pertaining to the product to be developed and analyze these data to conceptualize what exactly needs to be done. Once the system analyst understands the precise user requirements, he analyses the requirements to weed out inconsistencies, anomalies and incompleteness. Then he writes the **software requirement specification (SRS)** document. SRS is the final output of Requirement analysis and Specification phase.

a) **Requirement gathering:** This activity typically involves interviewing the end-users and customers and studying the existing documents to collect all the possible information regarding the system.

b) **Analysis of gathered requirement:** The main purpose of this activity is to clearly understand the exact requirements of the customer. The following basic questions should be answered to obtain a good grasp of the problem:

- What is the problem?
- Why is it important to solve the problem?
- What are the possible solutions to the problem?
- What exactly the data input and data output of the system?
- What is the likely complexity to arise during the system development?
- What exactly the data interchange with the external interface?

### **2) Requirements Specification:**

The **Software Requirement Specification (SRS)** document is the basis for all future development activities what the software will do and how it will

be expected to perform and also serves as a contract document between the customer and the development organization.

### **Reasons for using SRS:**

- It describes how a software system should be developed to meet the actual needs, that is most important for both the users/customers as well as developers.
- It provides everyone involved with a road map for the project.
- It creates the basis for all documentation well enough to write the users manuals also.
- It helps to understand the product.
- It sets communication on the right track and grows development standard.
- It helps to cover the risks in all development stages.
- The SRS can be used as a legal document to settle disputes between customers and developers.

### **Qualities of SRS:**

- *Correct*: SRS should be correct and concise.
- *Unambiguous*: The interpretations of the requirements should be unambiguous.
- *Complete*: It should be complete and relevant that reduce the error possibilities.
- *Consistent*: The specified requirements should not contradict another.
- *Ranked for importance and/or stability*: The requirements should be specified and developed according to the priority basis.
- *Structured*: It should be well structured that is easy to understand.
- *Verifiable*: It should be possible to determine whether or not requirements have been met in an implementation.
- *Modifiable*: It should be modifiable as SRS document undergoes several revisions to cope with the customer requirements.
- *Tracible*: Each functional requirement should be unique and consistent. It would be possible to tell which design component corresponds to which requirement and which code corresponds to which design component and so on.

- *Black-box view:* It should view the system to be developed as a black-box and should specify the externally visible behavior of the system. It should consider conceptual integrity so that users can easily trace the contents.

**The important parts of the SRS document are:**

- **Functional Requirements:** It should discuss the functionalities required from the system. Each function 'f' of the system can be considered as a transformation of a set of input data 'i' to the corresponding set of output data 'o'. This functional requirements should clearly describe each function which the system would support along with the corresponding input data items and the output data set.
- **Non-functional Requirements:** The non-functional requirements deal with the characteristics of the system that cannot be expressed as functions. It includes aspects concerning maintainability, portability and usability, reliability issues, accuracy of result, human-computer interface issues etc.
- **Goals of implementation:** This section includes document issues such as revisions to the system functionalities that may be required in the future new devices to be supported in the future, reusability issues, etc. Qualitative aspects whose compliance by the developed system need not be verified but are merely included as suggestions to the developers are documented as goals of the implementations.

## **Project Category**

It is a standalone machine software or automation system, which means it runs on local machine or local server through LAN. Data are maintained in a database stored in the server machine. The tables of the database are interlinked. Database operations like data insertion, deletion, modification,etc. are performed, and the relations are stored in tables. So, we can say, that this is also an RDBMS.

## **RDBMS:**

RDBMS approach is used for developing this project because it provides the minimum scope of data redundancy. Data redundancy may sometimes affect the efficiency of the whole system. An important advantage of RDBMS is that a single database can be spread across several tables. This differs from flat-file databases, where each database is self-contained in a single table. Other advantages are:

- Better techniques for data storage
- Less data retrieval time
- Better space management
- Scope of creating logical relationships among entities

## **Automated System:**

An automated system is a system that is used to reduce the need for human work in the production of goods and services. They include washing machines, calculators, dryers, and computers. They increase productivity and the quality of the goods produced. Automated system is secure and fully dedicated to fulfill the needs of an organization.

## **Technology Used**

### **Introduction to HTML**

The HyperText Markup Language, or HTML is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets (CSS) and scripting languages such as JavaScript.

Web browsers receive HTML documents from a web server or from local storage and render the documents into multimedia web pages. HTML describes the structure of a web page semantically and originally included cues for the appearance of the document.

HTML elements are the building blocks of HTML pages. With HTML constructs, images and other objects such as interactive forms may be embedded into the rendered page. HTML provides a means to create structured documents by denoting structural semantics for text such as headings, paragraphs, lists, links, quotes and other items. HTML elements are delineated by tags, written using angle brackets. Tags such as <img> and <input> directly introduce content into the page. Other tags such as <p> surround and provide information about document text and may include other tags as sub-elements. Browsers do not display the HTML tags, but use them to interpret the content of the page.

HTML can embed programs written in a scripting language such as JavaScript, which affects the behaviour and content of web pages. Inclusion of CSS defines the look and layout of content. The World Wide Web Consortium (W3C), former maintainer of the HTML and current maintainer of the CSS standards, has encouraged the use of CSS over explicit presentational HTML since 1997.

### **Introduction to MySQL**

MySQL is an open-source relational database management system (RDBMS). Its name is a combination of "My", the name of co-founder Michael Widenius's daughter, and "SQL", the abbreviation for Structured Query Language. A relational database organizes data into one or more data tables in which data types may be related to each other; these relations help structure the data.

SQL is a language programmers use to create, modify and extract data from the relational database, as well as control user access to the database. In addition to relational databases and SQL, an RDBMS like MySQL works with a operating system to implement a relational database in a computer's storage system, manages users, allows for network access and facilitates testing database integrity and creation of backups.

MySQL is free and open-source software under the terms of the GNU General Public License, and is also available under a variety of proprietary licenses. MySQL was owned and sponsored by the Swedish company MySQL AB, which was bought by Sun Microsystems (now Oracle Corporation). In 2010, when Oracle acquired Sun, Widenius forked the open-source MySQL project to create MariaDB.

MySQL has stand-alone clients that allow users to interact directly with a MySQL database using SQL, but more often, MySQL is used with other programs to implement applications that need relational database capability. MySQL is a component of the LAMP web application software stack (and others).

## **Introduction to PHP**

PHP is a general-purpose scripting language geared towards web development. It was originally created by Danish-Canadian programmer Rasmus Lerdorf in 1994. The PHP reference implementation is now produced by The PHP Group. PHP originally stood for Personal Home Page, but it now stands for the recursive initialism PHP: Hypertext Preprocessor.

PHP code is usually processed on a web server by a PHP interpreter implemented as a module, a daemon or as a Common Gateway Interface (CGI) executable. On a web server, the result of the interpreted and executed PHP code – which may be any type of data, such as generated HTML or binary image data – would form the whole or part of an HTTP response. Various web template systems, web content management systems, and web frameworks exist which can be employed to orchestrate or facilitate the generation of that response. Additionally, PHP can be used for many programming tasks outside of the web context, such as standalone graphical applications and robotic drone control. PHP code can also be directly executed from the command line. PHP files can contain text, HTML, CSS, JavaScript, and PHP code. PHP code are executed on the server,

and the result is returned to the browser as plain HTML. PHP files have extension “.php”.

PHP can generate dynamic page content. PHP can create, open, read, write, delete, and close files on the server. PHP can collect form data. PHP can send and receive cookies. PHP can add, delete, modify data in a database. PHP can be used to control user-access. PHP can encrypt data. With PHP one is not limited to output HTML. One can output images, PDF files, Flash movies, and any text, such as XHTML and XML.

PHP runs on various platforms (Windows, Linux, Unix, Mac OS X, etc.). It is compatible with almost all servers used today (Apache, IIS, etc.). It supports a wide range of databases. PHP is free, easy to learn and runs efficiently on the server side.

## **Introduction to XAMPP**

XAMPP is a free and open-source cross-platform web server solution stack package developed by Apache Friends, consisting mainly of the Apache HTTP Server, MariaDB database, and interpreters for scripts written in the PHP and Perl programming languages. Since most actual web server deployments use the same components as XAMPP, it makes transitioning from a local test server to a live server possible. XAMPP's ease of deployment means a WAMP or LAMP stack can be installed quickly and simply on an operating system by a developer.

XAMPP is regularly updated to the latest releases of Apache, MariaDB, PHP and Perl. It also comes with a number of other modules including OpenSSL, phpMyAdmin, MediaWiki, Joomla, WordPress and more. Self-contained, multiple instances of XAMPP can exist on a single computer, and any given instance can be copied from one computer to another. XAMPP is offered in both a full and a standard version.

The most obvious characteristic of XAMPP is the ease at which a WAMP webserver stack can be deployed and instantiated. XAMPP also provides support for creating and manipulating databases in MariaDB and SQLite among others. Once XAMPP is installed, it is possible to treat a localhost like remote host by connecting using an FTP client. Using a program like FileZilla has many advantages when installing a content management system (CMS). It is also possible to connect to localhost via FTP with an HTML editor.

## **Introduction to CSS**

Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation of a document written in a markup language such as HTML. CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript.

Filename extension: .css

Internet media type: text/css

Type code: TEXT

Uniform Type Identifier (UTI): public.css

Developed by: World Wide Web Consortium (W3C)

Initial release: December 17, 1996

Latest release: CSS 2.1 : Level 2 Revision 1 (April 12, 2016)

Type of format: Style sheet language

Container for: Style rules for HTML elements (tags)

Contained by: HTML documents

Each web browser uses a layout engine to render web pages, and support for CSS functionality is not consistent between them. Because browsers do not parse CSS perfectly, multiple coding techniques have been developed to target specific browsers with workarounds (commonly known as CSS hacks or CSS filters). Adoption of new functionality in CSS can be hindered by lack of support in major browsers. For example, Internet Explorer was slow to add support for many CSS 3 features, which slowed adoption of those features and damaged the browser's reputation among developers. In order to ensure a consistent experience for their users, web developers often test their sites across multiple operating systems, browsers, and browser versions, increasing development time and complexity. Tools such as Browser Stack have been built to reduce the complexity of maintaining these environments.

## **Advantages of CSS:**

- **Site-wide consistency:** When CSS is used effectively, in terms of inheritance and "cascading," a global style sheet can be used to affect and style elements site-wide. If the situation arises that the styling of the

elements should need to be changed or adjusted, these changes can be made by editing rules in the global style sheet. Before CSS, this sort of maintenance was more difficult, expensive and time-consuming.

- **Bandwidth:** A stylesheet, whether internal to the source document or separate, will specify the style once for a range of HTML elements selected by class, type or relationship to others. This is much more efficient than repeating style information inline for each occurrence of the element. An external stylesheet is usually stored in the browser cache, and can therefore be used on multiple pages without being reloaded, further reducing data transfer over a network.
- **Page reformatting:** With a simple change of one line, a different style sheet can be used for the same page. This has advantages for accessibility, as well as providing the ability to tailor a page or site to different target devices. Furthermore, devices not able to understand the styling still display the content.

## **Introduction to Bootstrap**

Bootstrap is a free and open-source CSS framework directed at responsive, mobile-first front-end web development. It contains CSS-based and (optionally) JavaScript-based design templates for typography, forms, buttons, navigation, and other interface components.

Original author(s): Mark Otto, Jacob Thornton

Developer(s): Bootstrap Core Team

Initial release: August 19, 2011

Repository: [Bootstrap Repository](#)

Written in: HTML, CSS, JavaScript

Platform: Web platform

As of April 2021, Bootstrap is the tenth most starred project on Github, with more than 150,000 stars. Bootstrap is an HTML, CSS & JavaScript Library that focuses on simplifying the development of informative web pages (as opposed to web apps). The primary purpose of adding it to a web project is to apply Bootstrap's choices of color, size, font and layout to that project. As such, the primary factor is whether the developers in charge

find those choices to their liking. Once added to a project, Bootstrap provides basic style definitions for all HTML elements. The result is a uniform appearance for prose, tables and form elements across web browsers. In addition, developers can take advantage of CSS classes defined in Bootstrap to further customize the appearance of their contents. For example, Bootstrap has provisioned for light-coloured and dark-coloured tables, page headings, more prominent pull quotes, and text with a highlight.

The most prominent components of Bootstrap are its layout components, as they affect an entire web page. The basic layout component is called "Container", as every other element in the page is placed in it. Developers can choose between a fixed-width container and a fluid-width container. While the latter always fills the width of the web page, the former uses one of the five predefined fixed widths, depending on the size of the screen showing the page smaller than 576 pixels, 576–768 pixels, 768–992 pixels, 992–1200 pixels or larger than 1200 pixels. Once a container is in place, other Bootstrap layout components implement a CSS Flexbox layout through defining rows and columns.

## **Introduction to phpMyAdmin**

phpMyAdmin is a free and open source administration tool for MySQL and MariaDB. As a portable web application written primarily in PHP, it has become one of the most popular MySQL administration tools, especially for web hosting services.

Tobias Ratschiller, then an IT consultant and later founder of the software company Maguma, started to work on a PHP-based web front-end to MySQL in 1998, inspired by MySQL-Webadmin. He gave up the project in 2000 because of lack of time.

By that time, phpMyAdmin had already become one of the most popular PHP applications and MySQL administration tools, with a large community of users and contributors. In order to coordinate the growing number of patches, a group of three developers (Olivier Müller, Marc Delisle and Loïc Chapeaux) registered The phpMyAdmin Project at SourceForge and took over the development in 2001.

In July 2015, the main website and the downloads left SourceForge and moved to a content delivery network. At the same time, the releases began to be PGP-signed. Afterwards, issue tracking moved to GitHub and the

mailing lists migrated. Before version 4, which uses Ajax extensively to enhance usability, the software used HTML frames.

Features provided by phpMyAdmin include:

- Web interface
- MySQL and MariaDB database management
- Import data from CSV, JSON and SQL
- Export data to various formats: CSV, SQL, XML, JSON, PDF (via the TCPDF library), ISO/IEC 26300 - OpenDocument Text and Spreadsheet, Word,
- Excel, LaTeX, SQL, and others
- Administering multiple servers
- Creating PDF graphics of the database layout
- Creating complex queries using query-by-example (QBE)
- Searching globally in a database or a subset of it
- Transforming stored data into any format using a set of predefined functions, like displaying BLOB-data as image or download-link
- Live charts to monitor MySQL server activity like connections, processes,
- CPU/memory usage, etc.
- Network traffic to the SQL server
- Working with different operating systems like Windows\*, Linux\*, OS/2,
- Free BSD\* Unix\* (such as Sun\* Solaris\*, AIX) and others.
- Make complex SQL queries easier.

## **Introduction to JavaScript**

JavaScript often abbreviated as JS, is a programming language that conforms to the ECMAScript specification. JavaScript is high-level, often just-in-time compiled, and multi-paradigm. It has curly-bracket syntax, dynamic typing, prototype-based object-orientation, and first-class functions.

Paradigm: event-driven, functional, imperative  
Designed by: Brendan Eich  
of Netscape initially; others have also contributed to the ECMAScript standard

First appeared: December 4, 1995

Filename extensions: .js , .cjs , .mjs

As a multi-paradigm language, JavaScript supports event-driven, functional, and imperative programming styles. It has application programming interfaces (APIs) for working with text, dates, regular expressions, standard data structures, and the Document Object Model (DOM).

JavaScript engines were originally used only in web browsers, but they are now core components of other software systems, most notably servers and a variety of applications.

## **Software and Hardware Requirements:**

### **Software used:**

Platform: Windows 11

Editor: Visual Studio Code

Language used: HTML, CSS, PHP

Web Server: XAMPP

Database Connectivity: PHP, My SQL

### **Hardware used:**

Processor: AMD Ryzen 5 5500U with Radeon Graphics, upto 2.10 GHz

RAM: 16 GB

Secondary Disk Drive: 512 GB

System type: 64-bit operating system, x64-based processor

# **METHODOLOG**

## **Design**

The most challenging phase of the system life cycle is system design. The term design describes a final system and the process by which it is developed. It refers to the technical specifications that will be applied in implementing the candidate system. It also includes the construction of programs and program testing. System design is a solution, a “how to” approach the creation of a new system. This important phase is composed of several steps. It provides understanding and procedural details necessary for implementing the system recommended in the feasibility study. Emphasis is on translating the performance requirements into design specifications. The first step is to determine how the output is to be produced and in what format. Samples of the output and input are also presented. Second, input data and master files (database) have to be designed to meet the requirements of the proposed output. The operational (processing) phases are handled through program construction and testing, including a list of programs needed to meet the system's objectives and to complete documentation. Finally, details related to justification of the system and an estimate of the impact of the candidate system on the user and the organization are documented and evaluated by management as a step toward implementation. The basic steps in designing are:

- Output Design
- Input Design
- Data Design
- Process Design

## **Output Design**

Computer output is the most important and direct source of information to the user. Efficient, intelligible output design should improve the system's relationships with the user and help in decision making. A major form of output is hard copy from the printer. Output from computer system is required to communicate the result of processing to users. Designing computer output should process in an organized, well thought out manner.

The right output must be developed while ensuring that each output

element is designed so that the user will find the system easy to use effectively. The term 'output' applies to any information by an information system, whether printed or displayed. While designing computer outputs, the following steps have to be followed.

In addition to deciding on the output device, the systems analyst must consider the print format and the editing for the final printout. The task of output preparation is critical, requiring skill and ability to align user requirements with the capabilities of the system in operation. The design considerations we have followed while designing output are:

- Name or title.
- Space and arrangement
- Headers and footers.

In online applications, the layout sheet for displayed output is similar to the layout chart used for designing input. In these cases, the output forms are similar to the input forms. Other type of applications output forms like reports used to make decisions must be designed carefully. The following layout describes our report designing.

## **Input Design**

Inaccurate input data are the most common cause of errors in data processing. Errors entered by data entry operators can be controlled by input design. Input design is the process of converting user-originated inputs to a computer-based format. In the system design phase, the expanded data flow diagram identifies logical data flows, data stores, sources and destinations. A system flowchart specifies master files (database), transaction files and computer programs.

## **Input Media**

In this project, earlier stages identified the data that is input to the transactions. The next step is what media should be used for the input. Since this is an online data entry project, we need computer based online forms as the media for input entry. There are three approaches for data entry with forms: menu based formatted forms, and prompts. We adopted the formatted form approach for entering data. A formatted form is a pre-

printed form or a template that requests the user to enter data in appropriate locations. It is a fill-in-blank type. The form is flashed on the screen as a unit. The cursor is usually positioned at the first blank. After the user responds by filling in the appropriate information, the cursor automatically moves to the next line, and so on until the form is completed.

### **Form Types**

There are three types of forms classified by what it does in the system. They are: action forms – to perform some action such as storing, modifying, and deleting data, memory forms – to perform extraction and display operations on existing historical data, and report forms – to generate decision support data from existing records. We used reports as output forms. As an input media we used both action and memory forms in combination.

### **Form Layout**

When form is designed, a list is prepared of all the items to be included on the form and the maximum space to be reserved. The form user has to make sure that it has the required details which should check the list.

- Title
- Data Zoning
- Rules and Captions

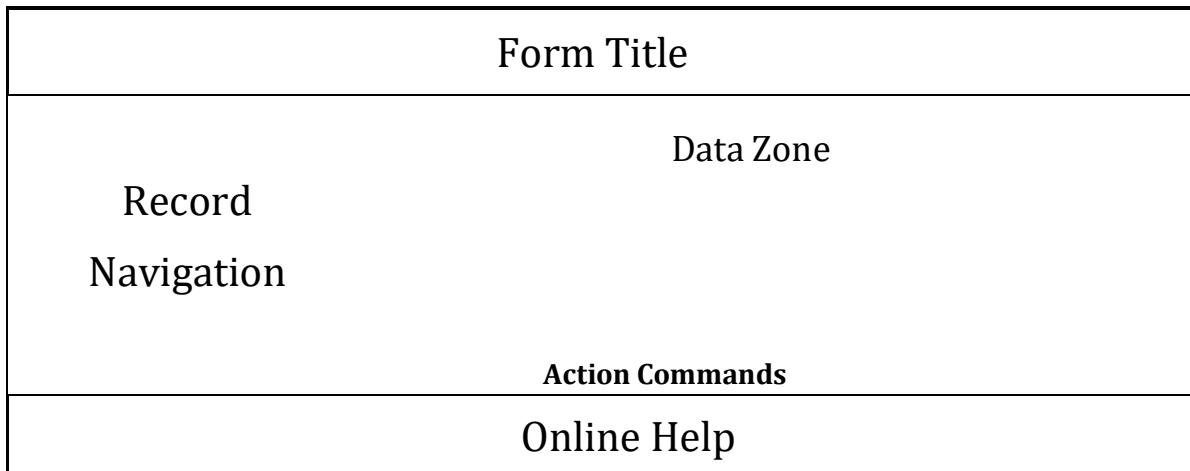
### **Design Considerations**

In designing these forms, we have taken care several attributes that are mentioned below:

- Identification and wording.
  - Form titles and labels.
- Maximum readability and use.
  - Legible, intelligible, uncomplicated, and space.
- Physical factors.
  - Composition, color, layout.

- Order of data items.  
-Logical sequence, data relation.
- Ease of data entry.  
-Field positions.
- Size and arrangement.  
-Size, storing, filing, and space for signs.
- Use of instructions.  
-Online help for data entry, status info.

The following diagram describes the sample form layout we used to design forms in our project.



## **Database design**

Database design is the process of developing database structures to hold data to cater to user requirements. The final design must satisfy user needs in terms of completeness, integrity, performance and other factors. For a large enterprise, the database design will turn out to be an extremely complex task leaving a lot to the skill and experience of the designer. A number of tools and techniques, including computer-assisted techniques, are available to facilitate database design. The primary input to the database design process is the organizations' statement of requirements. Poor definition of these requirements is a major cause of poor database design, resulting in databases of limited scope and utilities which are unable to adapt to changes.

The major step in database design is to identify the entities and relationships that reflect the organizations' data, naturally. The objective of this step is to specify conceptual structure of the data and is often referred to as data modelling. There are several methodologies to model the data logically. We adopted E-R modelling as our data modelling technique. E-R model is a technique for analysis and logical modelling of systems data requirements. It uses three basic concepts: entities, attributes and relations.

### **Entity:**

Entity is a distinguishable object. These entities are classified into regular entities and weak entities. A weak entity is an entity that is existence dependent on some other entity i.e., it does not exist if that other entity does not exist. A regular entity is an entity that is not weak. The graphical notation of entity is shown below:

**Regular Entity**

**Weak Entity**

### **Attribute:**

Entities have properties known as attributes. All entities of a given type have certain kinds of properties in common. Each kind of property draws its value from a corresponding value set. Properties can be of various types: Simple or composite, key, single or multi, missing, and base or derived. Attributes are graphically represented as shown below:

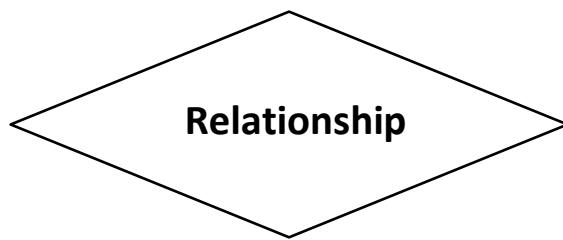
**Attribute**

### **Relationship:**

Relationship defines an association among entities. The entities involved in a given relationship are said to be participants in that relationship. The number of participants in a given relationship is called the degree of that relationship.

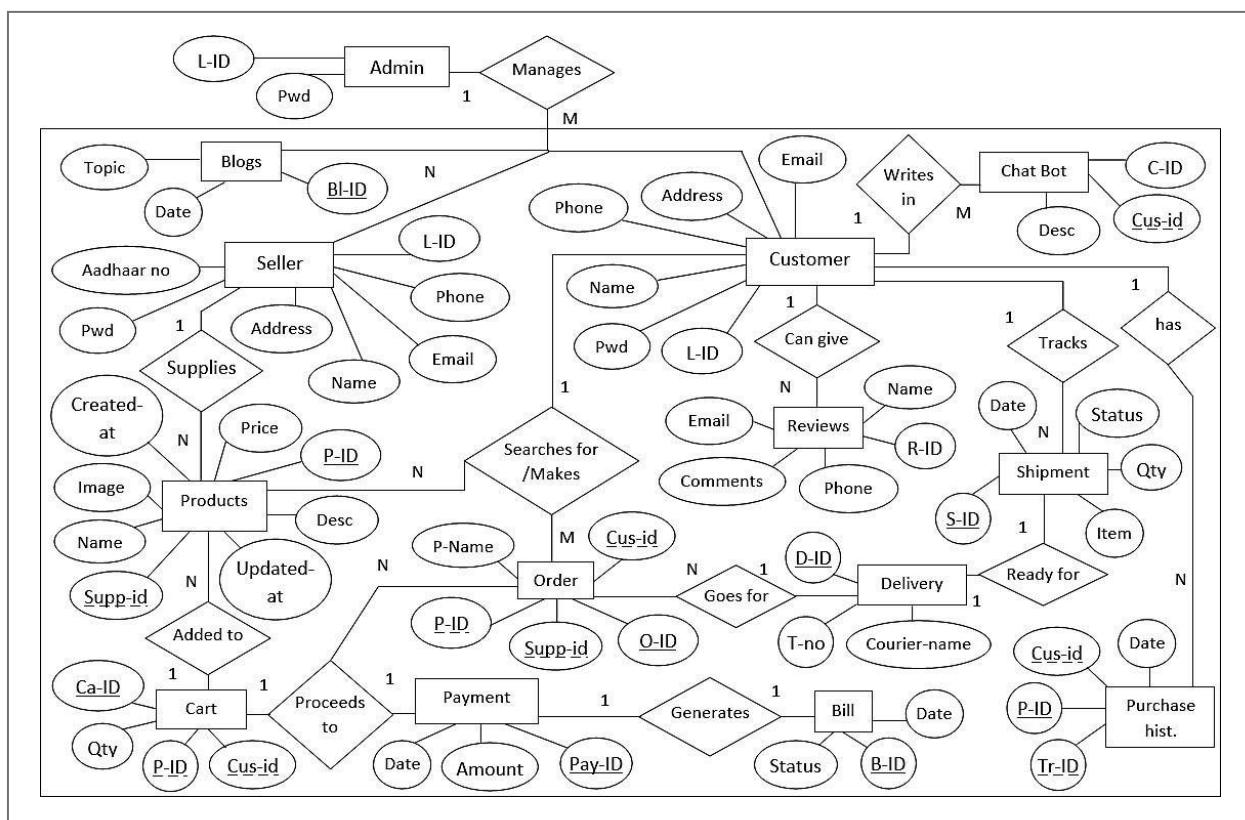
An ER relationship can be one – one, one – many, and many - many. Cardinality of a relationship refers to representing the number of

occurrences of entities in a given relationship. The graphical notation of relation is represented as shown below:



## Entity-Relationship Diagram

Entity-relationship (E-R) diagram is the detailed logical representation of data for an organization. It is the data-oriented model of a system. It shows entities, their attributes and the relationships between them. The E-R diagram of our E-Nursery Website is as follows:



# **ER Diagram of Online E Nursery Website**

In our project we have identified entities, attributes for those entities, and relationships between those entities from data collected at analysis phase. These are listed below:

## **Entities:**

- Admin
- Suppliers
- Registered Users
- Products
- Categories
- Cart
- Payment
- Shipment
- Purchase History
- Blogs
- Reviews

## **Attributes:**

<b><u>Entities</u></b>	<b><u>Attributes</u></b>
<b>Admin</b>	Phone, Login_ID, Email, Password, Name
<b>Customer</b>	Phone, Login_ID, Email, Password, Name, Aadhaar no, Address
<b>Supplier</b>	Phone, Login_ID, Email, Password, Name, Aadhaar no, Address
<b>Products</b>	Price, Product_ID, Description, Image, Name, Supplier_ID, Created_at, Updated_at
<b>Chat bot</b>	Description, Chat_ID, Customer_ID
<b>Blogs</b>	Topic, Date, Blog_ID
<b>Reviews</b>	Email, Comments, Name, Phone, Review_ID
<b>Shipment</b>	Date, Status, Quantity, Item, Shipment_ID
<b>Order</b>	Product_name, Product_ID, Supplier_ID, Order_ID, Customer_ID
<b>Delivery</b>	Delivery_ID, Transaction_no, Courier_name
<b>Cart</b>	Cart_ID, Quantity, Customer_ID, Product_ID
<b>Payment</b>	Payment_ID, Date, Amount
<b>Bill</b>	Status, Bill_ID, Date
<b>Purchase history</b>	Purchase_ID, Date, Customer_ID, Transaction_ID

## **Relationships:**

- Admin Manages Suppliers
- Admin Manages Registered Users
- Admin Manages Blogs
- Suppliers Supply Products
- Registered Users Can search for Products
- Plants are divided into Categories such as indoor/outdoor plants
- Plants are added to Cart
- Cart Proceeds to Payment
- Payment Proceeds to Shipment
- Registered Users Have Purchase History
- Registered Users Can give Reviews

## **Data Dictionary**

A data dictionary is a catalogue – a repository – of the elements in a system. As the name suggests, these elements center around data the way they are structured to meet user requirements and organization needs. In a data dictionary, one will find a list of the elements composing the data flow through a system.

**Table Name:** Registered Users

**Description:** This data structure defines the Registered Users details.

Name	Type	Null/Not Null	Key
ID	Int (10)	Not Null	Primary Key
Username	Varchar (20)	Null	
Email	Varchar (20)	Null	
Password	Varchar (8)	Null	
Address	Varchar (50)	Null	
Gender	Text	Null	
Date & Time	Datetime	Null	

**Table Name:** Suppliers/Sellers**Description:** This data structure defines the Suppliers/Sellers details.

Name	Type	Null/Not Null	Key
ID	Int (10)	Not Null	Primary Key
Username	Varchar (20)	Null	
Email	Varchar (20)	Null	
Phone no.	Bigint (10)	Null	
Password	Varchar (8)	Null	
Address	Varchar (50)	Null	
Bank Name	Varchar (50)	Null	
IFSC_Code	Varchar (10)	Null	

**Table Name:** Admin**Description:** This data structure defines the admin details.

Name	Type	Null/Not Null	Key
ID	Int (10)	Not Null	Primary Key
Username	Varchar (20)	Null	
Email	Varchar (20)	Null	
Phone no.	Bigint (10)	Null	
Password	Varchar (8)	Null	

**Table Name:** Products

**Description:** This data structure defines the Products details.

Name	Type	Null/Not Null	Key
Product_ID	Int (10)	Not Null	Primary Key
Product_name	Varchar (20)	Null	
Image	longblob	Null	
Category_ID	Varchar (20)	Not Null	Foreign Key
Description	Varchar (100)	Null	
Price	Int (7)	Null	
Created At	Date	Null	
Updated At	Date	Null	

**Table Name:** Signup

**Description:** This data structure defines the Signup details.

Name	Type	Null/Not Null	Key
Username	Varchar (10)	Not Null	Primary Key
Email	Varchar (20)	Null	
Password	Varchar (8)	Null	
Confirm Password	Varchar (8)	Null	
Address	Varchar (50)	Null	
Gender	Text	Null	

**Table Name:** Cart**Description:** This data structure defines the Cart details.

Name	Type	Null/Not Null	Key
ID	Int (11)	Not Null	Primary Key
RegUser_ID	Int (11)	Not Null	Foreign Key
Products_Id	Int (11)	Not Null	Foreign Key
Quantity	Int (11)	Null	

**Table Name:** Categories**Description:** This data structure defines the Categories details.

Name	Type	Null/Not Null	Key
ID	Varchar (50)	Not Null	Primary Key
Name	Varchar (20)	Null	
Status	Varchar (50)	Null	

**Table Name:** Purchased History**Description:** This data structure defines the details of previous purchases.

Name	Type	Null/Not Null	Key
ID	Varchar (50)	Not Null	Primary Key
RegUser_Id	Varchar (20)	Not Null	Foreign Key
Products_ID	Varchar (50)	Not Null	Foreign Key
Purchased On	Date	Null	
Status	Varchar (40)	Null	

## **Normalization**

Normalization is the process of refining the data model built by the ER diagram. The normalization technique, logically groups the data over the number of tables, with minimum redundancy of data. The entities or tables resulting from normalization contain data items, with relationships being represented by replication of key data items.

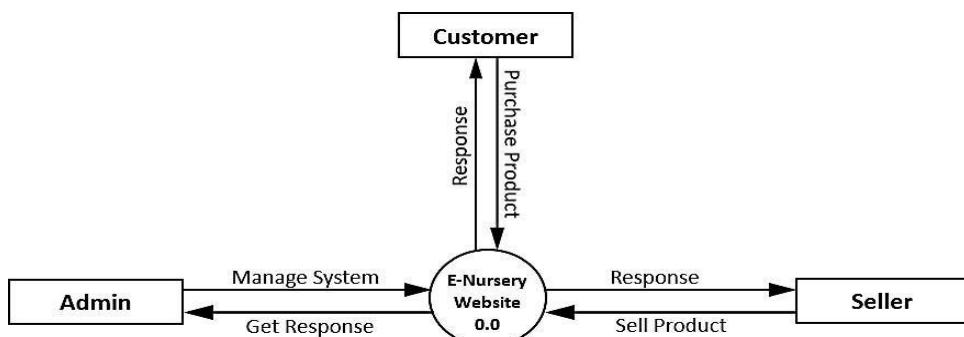
The goal of relational database design is to generate a set of relation schemes that allow us to store information with minimum redundancy of data and allow us to retrieve information easily and efficiently. The approach followed is to design schemas that are in an appropriate form one of the so-called normal form.

The first step towards normalization is to convert the ER model into tables or relations. The next step is to examine the database for redundancy and if necessary, change them to non-redundant forms. This non-redundant model is then converted into a database definition, which achieves the objective of the database design phase. We defined database from the above ER model by normalizing it to 3rd normal form. We will show the definitions of those database tables later at the time of physical database design phase.

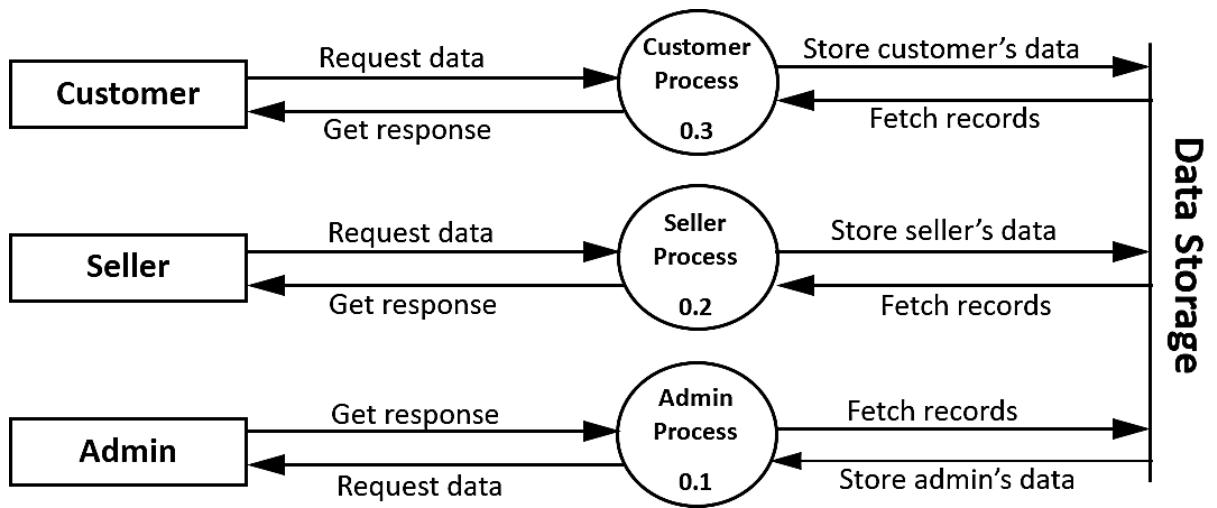
## **Data Flow Diagram**

A data flow diagram (DFD) is a graphic tool used to describe and analyse the movement of data through a system - manual or automated – including the processes, stores of data, and delays in the system. The transformation of data from input to output, through processes, may be described logically and independently of the physical components associated with the system. The Data Flow Diagrams of our project are as follows:

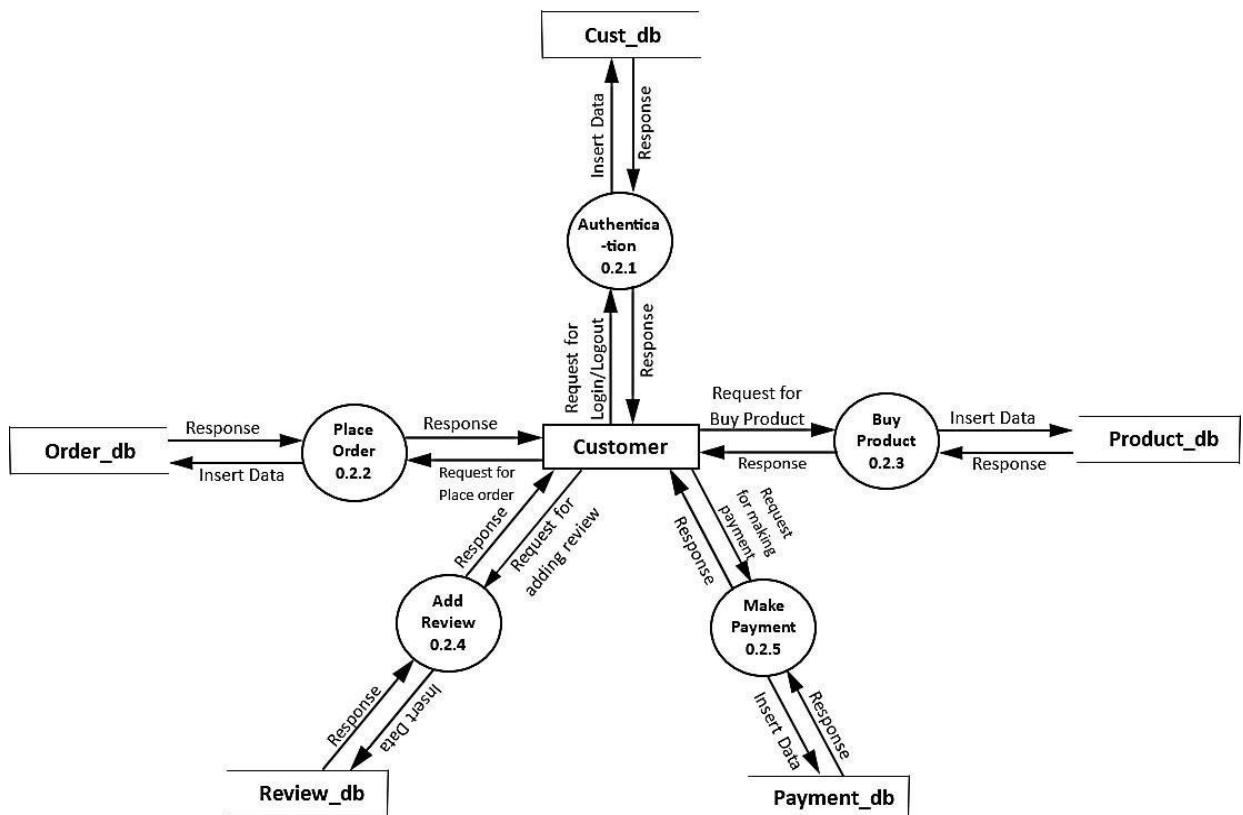
### **Level 0 DFD:**



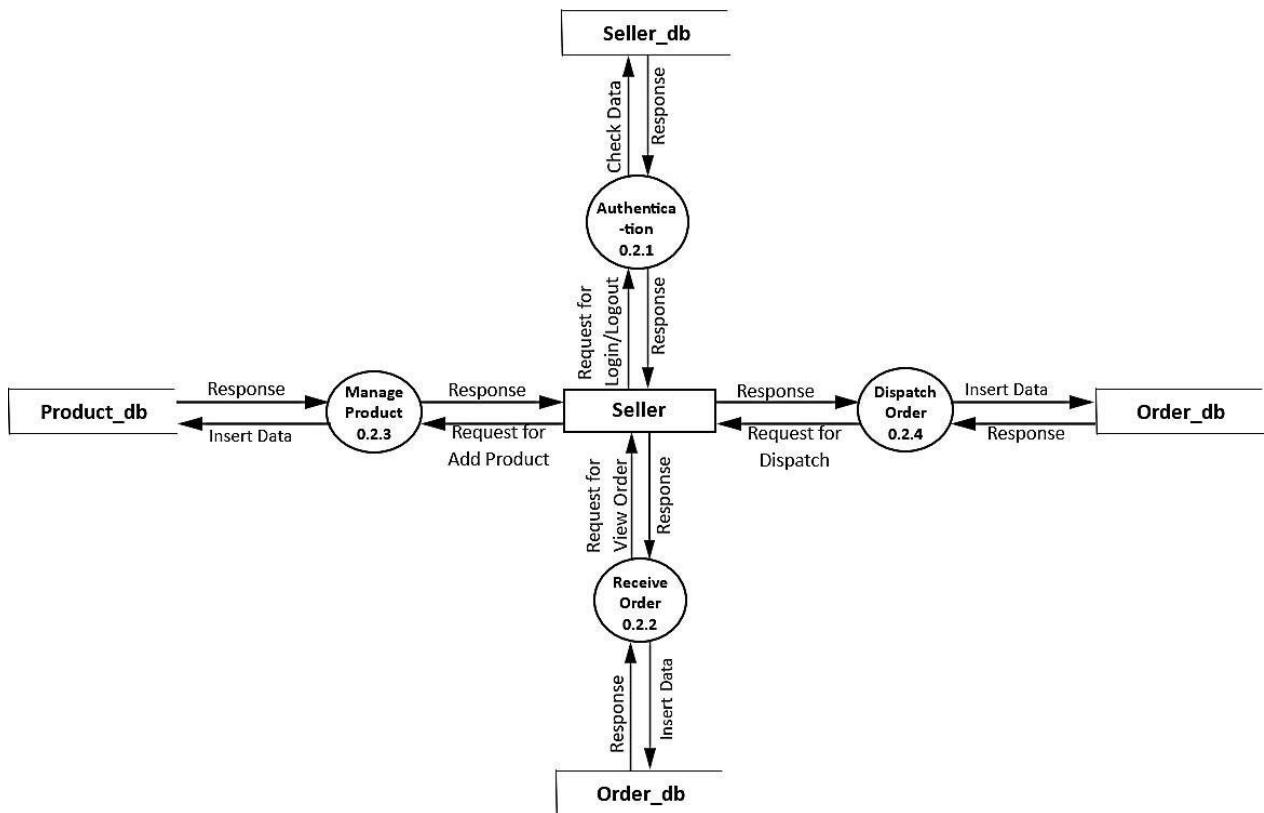
## Level 1 DFD:



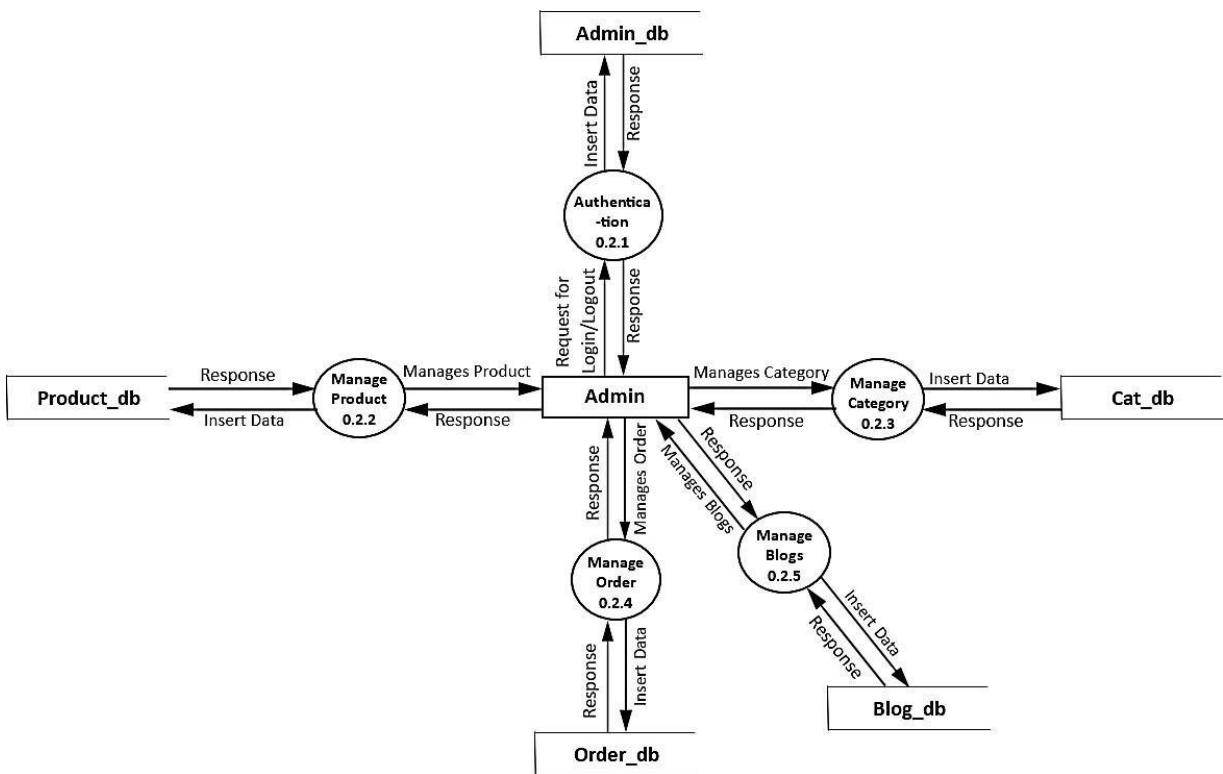
## Customer Level 2 DFD:



## Seller Level 2 DFD:



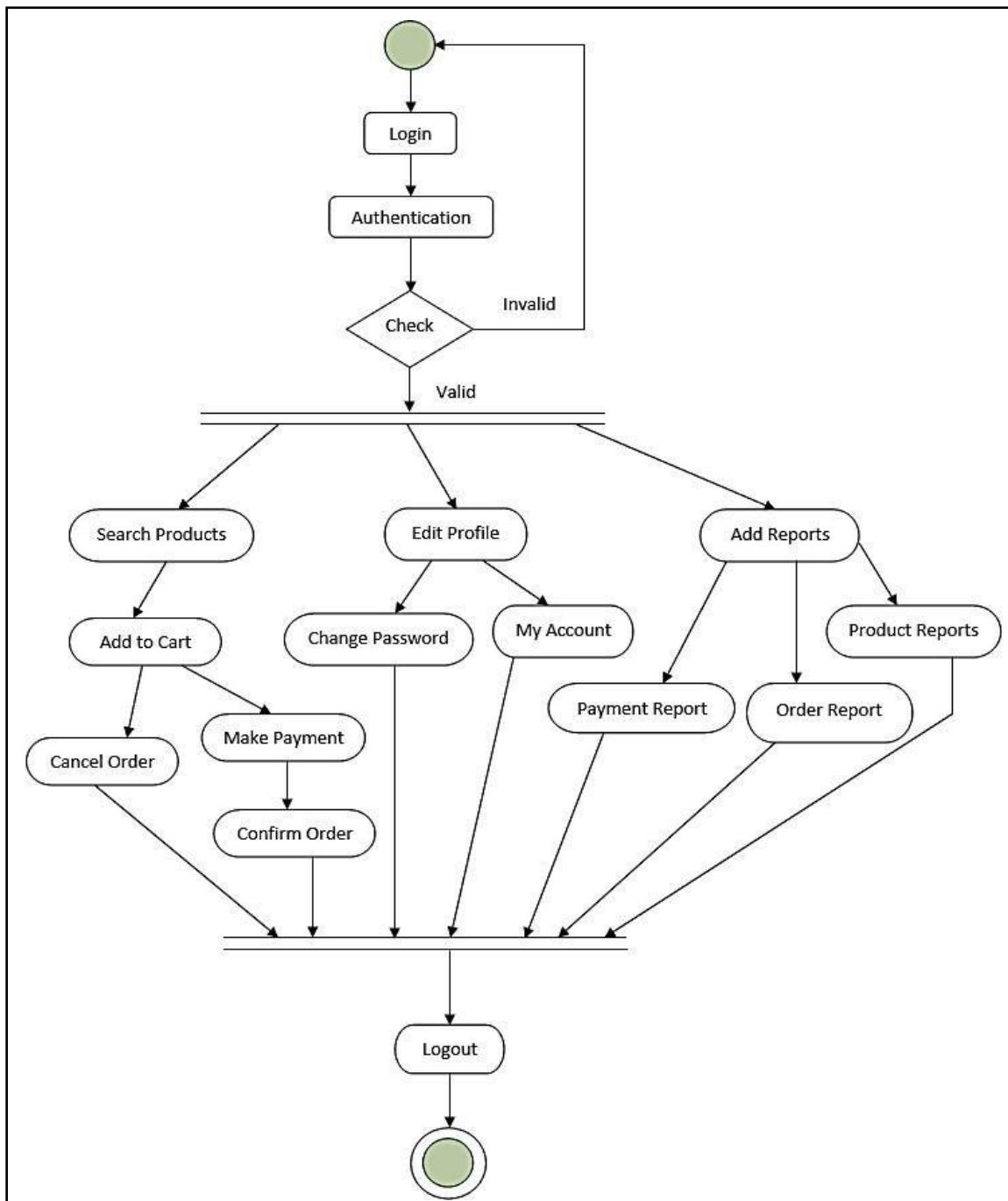
## Admin Level 2 DFD:



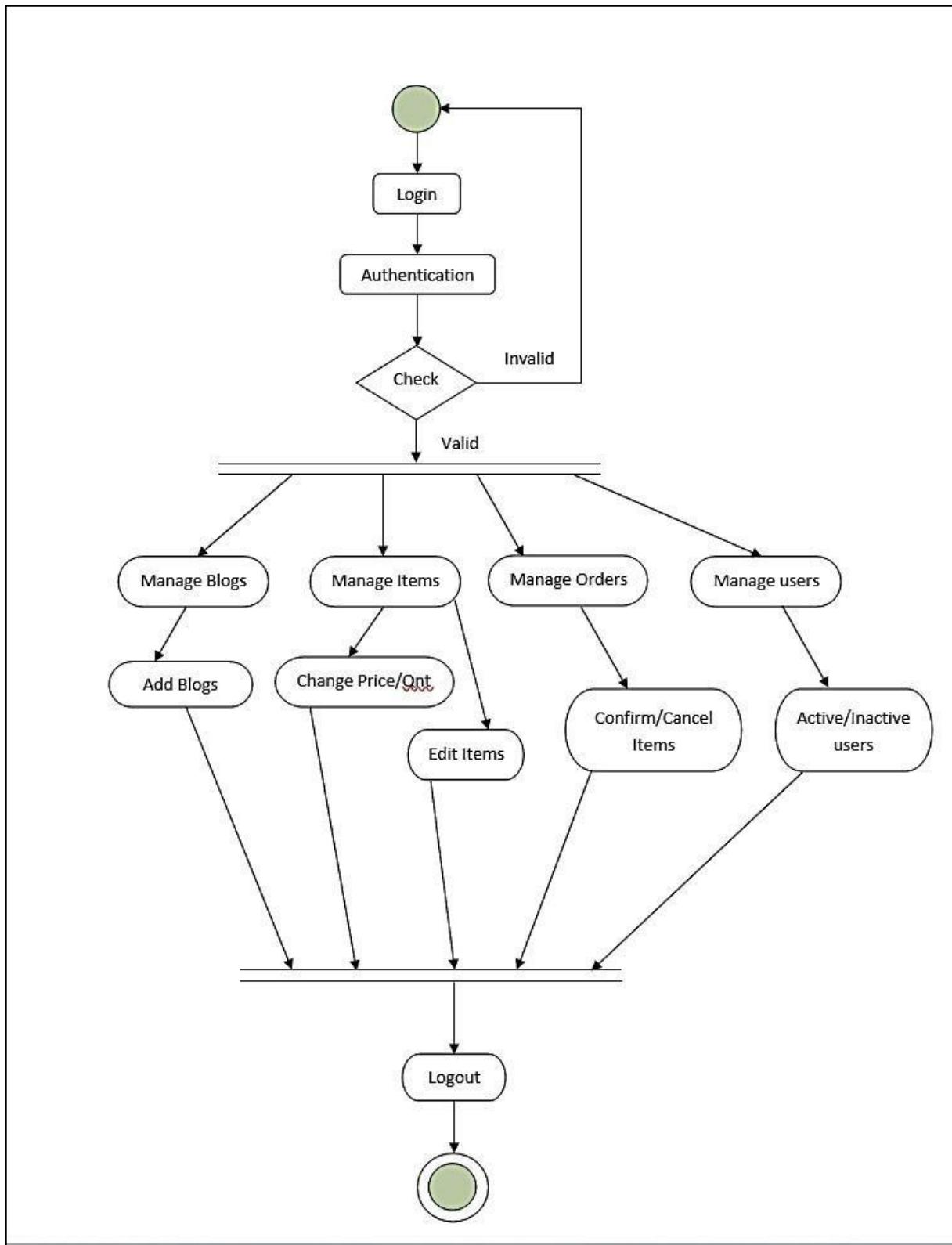
## Activity Diagram:

Activity diagram is basically a flowchart to represent the flow from one activity to another. The activity can be described as an operation of the system. The control flow is drawn from one operation to another. This flow can be sequential, branched, or concurrent.

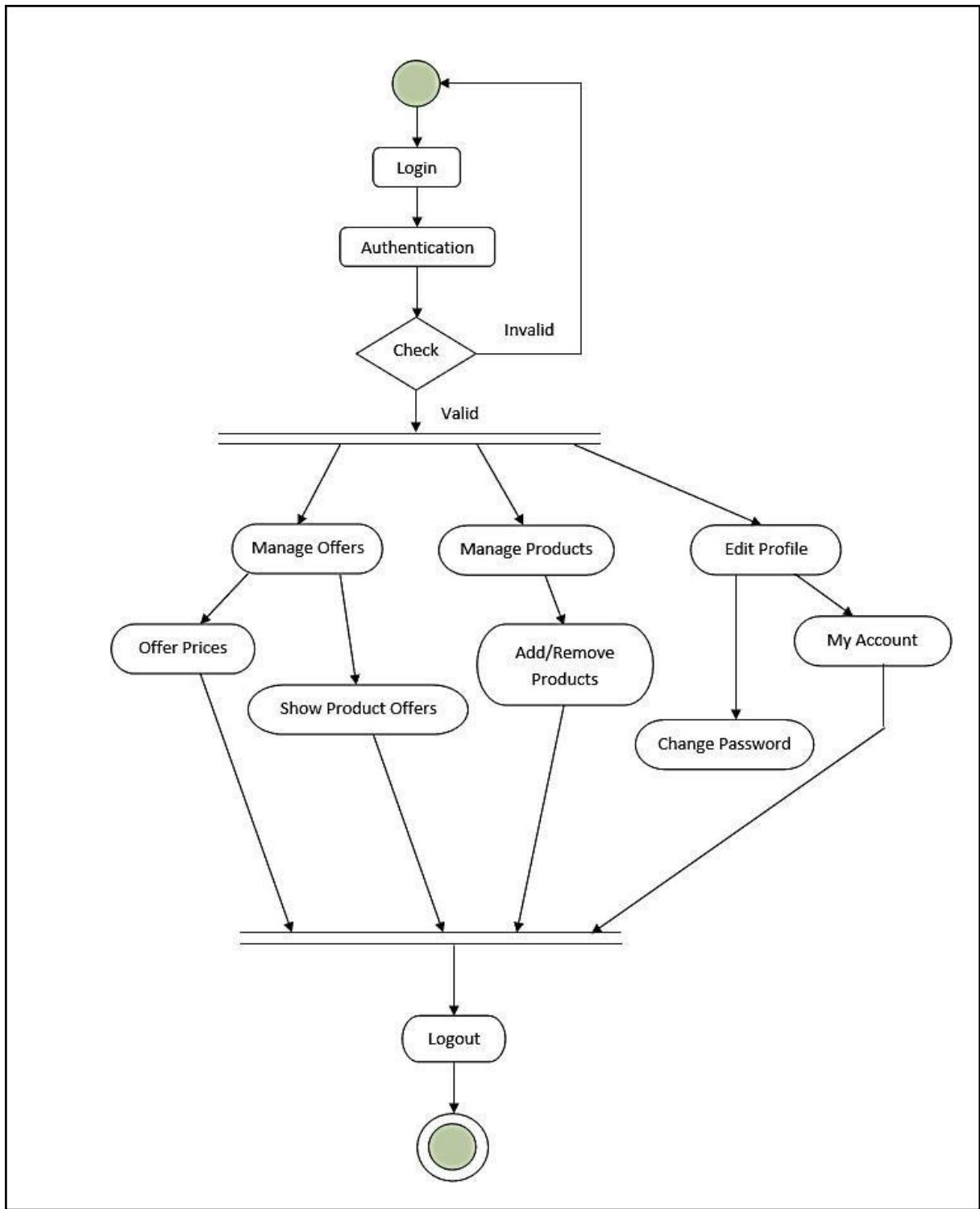
The activity diagram for our system is as follows:



Activity Diagram For User Side



**Activity Diagram For Admin Side**

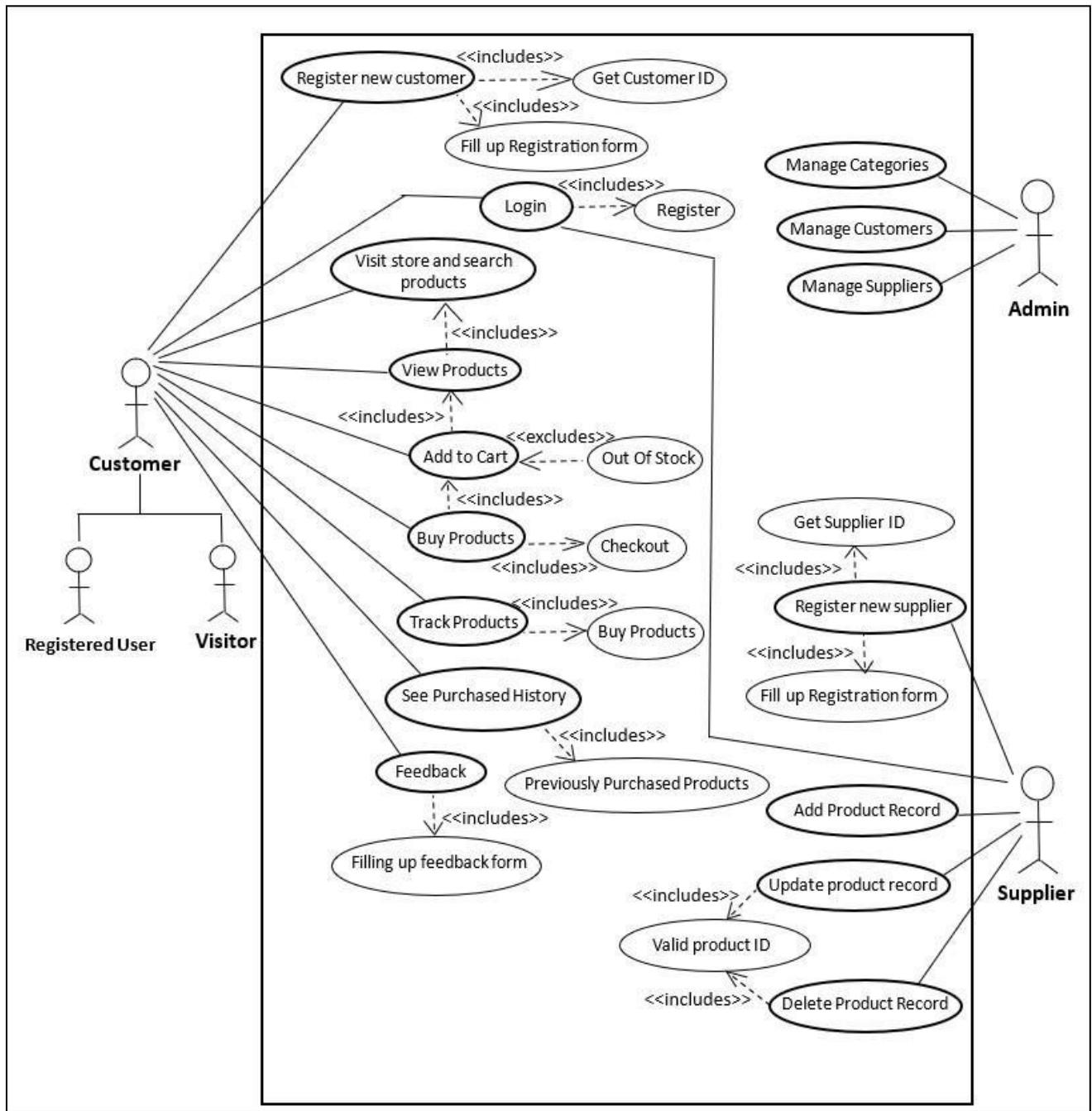


**Activity Diagram for Seller Side**

## Use Case Diagram:

A use case diagram is a graphical depiction of a user's possible interactions with a system, showing various use cases and different types of users the system has. The use cases are represented by circles or ellipses.

The Use Case Diagram of our project is as follows:



# **IMPLEMENTATION**

## **Coding:**

### **<home.html>**

```
<!DOCTYPE html>

<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>E-Nursery</title>
    <link rel="icon" type="image/icon" href="image/Favicon.jpg">
    <!--Code for font awesome cdn -->
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
    <link rel="stylesheet" href="https://unpkg.com/swiper@7/swiper-bundle.min.css"/>
    <!--Code for linking css file -->
    <link rel="stylesheet" type="text/css" href="css/style.css">
</head>
<body>
    <!--header section -->
    <header class="header">
        <a href="#" class="logo">GreenScape <i class="fa fa-pagelines" aria-hidden="true"></i>
        </i></a>

    <nav class="navbar">
        <a href="#home">home</a>
        <a href="#products">products</a>
        <a href="#categories">categories</a>
    </nav>
</body>
```

<a href="#review">review</a>

```
<a href="#blogs">blogs</a>
```

```
</nav>

<div class="icons">
    <div class="fa fa-bars" id="menu-btn"></div>
    <div class="fa fa-search" id="search-btn"></div>
    <div class="fa fa-shopping-cart" id="cart-btn"></div>
    <div class="fa fa-user" id="login-btn"></div>
</div>

<!--Search Bar-->
<form class="search-form">
    <input type="search" id="search-box" placeholder="Search Here...">
    <label for="search-box" class="fa fa-search"></label>
</form>

<!--Search Bar-->

<!--Shopping Cart-->
<!--<div class="shopping-cart">
    <div class="box">
        <i class="fa fa-trash"></i>
        
        <div class="content">
            <h3>Indoor Plant</h3>
            <span class="price">Rs 249/-</span>
            <span class="quantity">Qty: 1</span>
        </div>
    </div>
    <div class="box">
        <i class="fa fa-trash"></i>
        
        <div class="content">
            <h3>Money Plant</h3>
        </div>
    </div>
</div>
```

```

<span class="price">Rs 149/-</span>
<span class="quantity">Qty: 2</span>
</div>
</div>
<div class="box">
<i class="fa fa-trash"></i>

<div class="content">
<h3>Seeds</h3>
<span class="price">Rs 99/-</span>
<span class="quantity">Qty: 500g</span>
</div>
</div>
<div class="total"> total : Rs 497/-</div>
<a href="Login/cus_login.php" class="btn"><b>Checkout</b></a>
</div>-->
<!--Shopping Cart-->

<!--Login Form-->
<form action="#" class="login-form">
<h3>Login Now</h3>
<input type="email" placeholder="Enter your email" class="box">
<input type="password" placeholder="Enter your password" class="box">
<p>Forget your password <a href="#">Click Here</a></p>
<p>Don't have an account <a href="Login/cus_login.php">Create Now</a></p>
<input type="submit" value="Login Now" class="btn">
</form>
<!--Login Form-->
</header>
<!--header section -->

```

```

<!--Banner Section-->

<section class="home" id="home">

    <div class="content">

        <h3><span>Saplings </span>At Your Doorstep</h3>

        <p>Experience the beauty of nature at our E-nursery. Shop now for high-quality plants and flowers that will transform your space.</p>

        <a href="Login/cus_login.php" class="btn">shop now</a>

    </div>

</section>

<!--Banner Section-->

<!--Features Section-->

<section class="features" id="features">

    <h1 class="heading">our <span>features</span></h1>

    <div class="box-container">

        <div class="box">

            <h3>Best Products</h3>

            <p>Indulge in the goodness of nature with our best products, straight from the shop to your doorstep.</p>

            <a href="Login/cus_login.php" class="btn">read more</a>

        </div>

        <div class="box">

            <h3>Faster Delivery</h3>

            <p>Enjoy fast and secure delivery of your orders right to your doorstep, with our reliable shipping services.</p>

            <a href="Login/cus_login.php" class="btn">read more</a>

        </div>

        <div class="box">

            <h3>Easy Payments</h3>


```

```

<p>Experience an effortless and smooth shopping experience with our hassle-free and secure payment options.</p>

<a href="Login/cus_login.php" class="btn">read more</a>

</div>
</div>
</section>

<!--Features Section-->

<!--products Section-->

<section class="products" id="products">

<h1 class="heading"> our <span>products</span></h1>

<div class="swiper product-slider">

<div class="swiper-wrapper">

<div class="swiper-slide box">



<h1>Broken Heart Plant</h1>

<div class="price">From Rs 199/-</div>

<div class="stars">

<i class="fa fa-star"></i>

</div>

<a href="Login/cus_login.php" class="btn">View Product</a>

</div>

<div class="swiper-slide box">



<h1>Jade Plant Mini</h1>

<div class="price">From Rs 199/-</div>

<div class="stars">

```

```
<i class="fa fa-star"></i>
</div>
<a href="Login/cus_login.php" class="btn">View Product</a>
</div>
<div class="swiper-slide box">

<h1>Monstera Deliciosa Plant</h1>
<div class="price">Rs 1,299/-</div>
<div class="stars">
<i class="fa fa-star"></i>
</div>
<a href="Login/cus_login.php" class="btn">View Product</a>
</div>
<div class="swiper-slide box">

<h1>ZZ Plant</h1>
<div class="price">From Rs 399/-</div>
<div class="stars">
<i class="fa fa-star"></i>
<i class="fa fa-star"></i>
<i class="fa fa-star"></i>
<i class="fa fa-star"></i>
<i class="fa fa-star-half"></i>
```

```
</div>

<a href="Login/cus_login.php" class="btn">View Product</a>

</div>

<div class="swiper-slide box">

    <h1>Peperomia Green Plant</h1>

    <div class="price">From Rs 199/-</div>

    <div class="stars">

        <i class="fa fa-star"></i>

        <i class="fa fa-star"></i>

        <i class="fa fa-star"></i>

        <i class="fa fa-star"></i>

        <i class="fa fa-star"></i>

    </div>

    <a href="Login/cus_login.php" class="btn">View Product</a>

</div>

<div class="swiper-slide box">

    <h1>Areca Palm Plant XL</h1>

    <div class="price">Rs 2,499/-</div>

    <div class="stars">

        <i class="fa fa-star"></i>

        <i class="fa fa-star"></i>

        <i class="fa fa-star"></i>

        <i class="fa fa-star"></i>

        <i class="fa fa-star"></i>

    </div>

    <a href="Login/cus_login.php" class="btn">View Product</a>

</div>

<div class="swiper-slide box">

    
```

```
<h1>Wandering Jew Plant</h1>
<div class="price">Rs 599/-</div>
<div class="stars">
    <i class="fa fa-star"></i>
    <i class="fa fa-star"></i>
    <i class="fa fa-star"></i>
    <i class="fa fa-star"></i>
    <i class="fa fa-star"></i>
</div>
<a href="Login/cus_login.php" class="btn">View Product</a>
</div>
</div>
</div>
<div class="swiper product-slider">
<div class="swiper-wrapper">
    <div class="swiper-slide box">
        
        <h1>Money Plant Golden</h1>
        <div class="price">From Rs 199/-</div>
        <div class="stars">
            <i class="fa fa-star"></i>
            <i class="fa fa-star"></i>
            <i class="fa fa-star"></i>
            <i class="fa fa-star"></i>
            <i class="fa fa-star"></i>
        </div>
        <a href="Login/cus_login.php" class="btn">View Product</a>
    </div>
    <div class="swiper-slide box">
        
        <h1>Peace Lily Plant</h1>
```

```
<div class="price">From Rs 199/-</div>
<div class="stars">
    <i class="fa fa-star"></i>
    <i class="fa fa-star"></i>
    <i class="fa fa-star"></i>
    <i class="fa fa-star"></i>
    <i class="fa fa-star"></i>
</div>
<a href="Login/cus_login.php" class="btn">View Product</a>
</div>
<div class="swiper-slide box">
    
    <h1>Fiddle Leaf Fig Plant</h1>
    <div class="price">From Rs 749/-</div>
    <div class="stars">
        <i class="fa fa-star"></i>
        <i class="fa fa-star"></i>
        <i class="fa fa-star"></i>
        <i class="fa fa-star"></i>
        <i class="fa fa-star"></i>
    </div>
    <a href="Login/cus_login.php" class="btn">View Product</a>
</div>
<div class="swiper-slide box">
    
    <h1>Areca Palm Plant</h1>
    <div class="price">From Rs 399/-</div>
    <div class="stars">
        <i class="fa fa-star"></i>
        <i class="fa fa-star"></i>
        <i class="fa fa-star"></i>
```

```
<i class="fa fa-star"></i>
<i class="fa fa-star-half"></i>
</div>
<a href="Login/cus_login.php" class="btn">View Product</a>
</div>
<div class="swiper-slide box">

<h1>Kalanchoe Plant-Pink</h1>
<div class="price">Rs 399/-</div>
<div class="stars">
<i class="fa fa-star"></i>
</div>
<a href="Login/cus_login.php" class="btn">View Product</a>
</div>
<div class="swiper-slide box">

<h1>Cholorophytum Plant</h1>
<div class="price">From Rs 199/-</div>
<div class="stars">
<i class="fa fa-star"></i>
</div>
<a href="Login/cus_login.php" class="btn">View Product</a>
</div>
```

```

<div class="swiper-slide box">
    
    <h1>Betel Leaf Plant</h1>
    <div class="price">From Rs 199/-</div>
    <div class="stars">
        <i class="fa fa-star"></i>
        <i class="fa fa-star"></i>
        <i class="fa fa-star"></i>
        <i class="fa fa-star"></i>
        <i class="fa fa-star"></i>
    </div>
    <a href="Login/cus_login.php" class="btn">View Product</a>
</div>
</div>
</div>
</div>
</section>
<!--products Section-->
```

```

<!--categories Section-->
<section class="categories" id="categories">
    <h1 class="heading">Product <span>Categories</span></h1>
    <div class="box-container">
        <div class="box">
            
            <h3>Outdoor Plants</h3>
            <p>Upto 20% off</p>
            <a href="Login/cus_login.php" class="btn">shop now</a>
        </div>
        <div class="box">
            
            <h3>Indoor Plants</h3>
        </div>
    </div>
```

```

<p>Upto 20% off</p>
<a href="Login/cus_login.php" class="btn">shop now</a>
</div>

<div class="box">
    
    <h3>Flowering Plants</h3>
    <p>Upto 25% off</p>
    <a href="Login/cus_login.php" class="btn">shop now</a>
</div>

<div class="box">
    
    <h3>Gardening Tools</h3>
    <p>Upto 15% off</p>
    <a href="Login/cus_login.php" class="btn">shop now</a>
</div>
</div>
</section>

<!--categories Section-->

<!--Review Section-->
<section class="review" id="review">
    <h1 class="heading"> Customer's <span>Review</span></h1>
    <div class="swiper review-slider">
        <div class="swiper-wrapper">
            <div class="swiper-slide box">
                
                <p>I was amazed by the quality of plants I received from this e-nursery. They were healthy, vibrant, and exactly as described on the website. Highly recommend!</p>
                <h3>Jane</h3>
                <div class="stars">
                    <i class="fa fa-star"></i>

```

```
<i class="fa fa-star"></i>
<i class="fa fa-star"></i>
<i class="fa fa-star"></i>
<i class="fa fa-star"></i>
</div>
</div>
<div class="swiper-slide box">

<p>I was a bit hesitant about buying plants online, but this e-nursery exceeded my expectations! The plants arrived in perfect condition, and the customer service was fantastic.</p>
<h3>Sarah</h3>
<div class="stars">
<i class="fa fa-star"></i>
</div>
</div>
<div class="swiper-slide box">

<p>I love the selection of plants available at this e-nursery! It's my go-to spot for unique and hard-to-find varieties, and the quality is always top-notch.</p>
<h3>Tom</h3>
<div class="stars">
<i class="fa fa-star"></i>
<i class="fa fa-star"></i>
<i class="fa fa-star"></i>
<i class="fa fa-star"></i>
<i class="fa fa-star-half"></i>
</div>
</div>
```

```
<div class="swiper-slide box">
  
  <p>I had a great experience shopping with this e-nursery. The ordering process was easy, the prices were competitive, and the plants arrived quickly and in great condition. I will definitely be back!</p>
  <h3>Kelly</h3>
  <div class="stars">
    <i class="fa fa-star"></i>
    <i class="fa fa-star"></i>
    <i class="fa fa-star"></i>
    <i class="fa fa-star"></i>
    <i class="fa fa-star"></i>
  </div>
</div>
<div class="swiper-slide box">
  
  <p>I've ordered from several e-nurseries before, but this one has the best customer service by far. They answered all my questions and were incredibly helpful throughout the entire process. The plants were also beautiful and healthy. Highly recommend!</p>
  <h3>Mike</h3>
  <div class="stars">
    <i class="fa fa-star"></i>
    <i class="fa fa-star"></i>
    <i class="fa fa-star"></i>
    <i class="fa fa-star"></i>
    <i class="fa fa-star-half"></i>
  </div>
</div>
</div>
</div>
</section>
<!--Review Section-->
```

```

<!--Blog Section-->

<section class="blogs" id="blogs">
    <h1 class="heading"> Our <span>Blogs</span></h1>
    <div class="box-container">
        <div class="box">
            
            <div class="content">
                <div class="icons">
                    <a href="#"><i class="fa fa-user"></i> By admin</a>
                    <a href="#"><i class="fa fa-calendar"></i> 10 April, 2023</a>
                </div>
                <h3>The Top 10 Houseplants for Beginners</h3>
                <p>A guide to easy-to-care-for houseplants that are perfect for beginners.</p>
                <a href="Login/cus_login.php" class="btn"> read more </a>
            </div>
        </div>
        <div class="box">
            
            <div class="content">
                <div class="icons">
                    <a href="#"><i class="fa fa-user"></i> By admin</a>
                    <a href="#"><i class="fa fa-calendar"></i> 12 April, 2023</a>
                </div>
                <h3>5 Tips for Choosing the Right Plants for Your Space</h3>
                <p>A guide to selecting the perfect plants for your home or office based on lighting, humidity, and other factors.</p>
                <a href="Login/cus_login.php" class="btn"> read more </a>
            </div>
        </div>
        <div class="box">
            

```

```

<div class="content">
    <div class="icons">
        <a href="#"><i class="fa fa-user"></i> By admin</a>
        <a href="#"><i class="fa fa-calendar"></i> 15 April, 2023</a>
    </div>
    <h3>Creating an Outdoor Oasis: Tips for Landscaping with Plants</h3>
    <p>Tips and tricks for incorporating plants into your outdoor landscaping, from choosing the right plants to creating an aesthetically pleasing design.</p>
    <a href="Login/cus_login.php" class="btn"> read more </a>
</div>
</div>
</div>
</section>
<!--Blog Section-->

<!--Footer Section-->
<section class="footer">
    <div class="box-container">
        <div class="box">
            <h3> GreenScape <i class="fa fa-pagelines"></i></h3>
            <p>Feel free to follow us on our social media handels. All the links are given below.</p>
            <div class="share">
                <a href="#" class="fa fa-facebook"></a>
                <a href="#" class="fa fa-instagram"></a>
                <a href="#" class="fa fa-twitter"></a>
                <a href="#" class="fa fa-linkedin"></a>
            </div>
        </div>
        <div class="box">
            <h3> Contact info </h3>
            <a href="#" class="links"><i class="fa fa-phone"></i> +91 9874561235 </a>
        </div>
    </div>

```

```

<a href="#" class="links"><i class="fa fa-phone"> +91 8745952468 </i></a>
<a href="#" class="links"><i class="fa fa-envelope"> green.scape@gmail.com </i></a>
<a href="#" class="links"><i class="fa fa-map-marker"> Kolkata, India </i></a>
</div>

<div class="box">
    <h3> Quick links </h3>
    <a href="#" class="links"><i class="fa fa-arrow-right"> Home </i></a>
    <a href="#" class="links"><i class="fa fa-arrow-right"> Products </i></a>
    <a href="#" class="links"><i class="fa fa-arrow-right"> Categories </i></a>
    <a href="#" class="links"><i class="fa fa-arrow-right"> Review </i></a>
    <a href="#" class="links"><i class="fa fa-arrow-right"> Blogs </i></a>
</div>

<div class="box">
    <h3> Newsletter </h3>
    <p>Subscribe For Latest Updates</p>
    <input type="email" placeholder="Your Email" class="email">
    <input type="submit" value="Subscribe" class="btn">
    
</div>
</div>

<div class="credit">Project By <span>Sarsuna College</span> Students | GreenScape 2023</div>
</section>

<!--Footer Section-->
<script src="https://cdn.jsdelivr.net/npm/swiper@9/swiper-bundle.min.js"></script>
<script src="js/script.js"></script>
</body>
</html>

```

**GreenScape**

Saplings At Your Doorstep

Experience The Beauty Of Nature At Our E-Nursery. Shop Now For High-Quality Plants And Flowers That Will Transform Your Space.

Shop Now

Our Features

31°C Partly sunny

Search

ENG IN 24-07-2023

**GreenScape**

Best Products

Indulge In The Goodness Of Nature With Our Best Products, Straight From The Shop To Your Doorstep.

Read More

Faster Delivery

Enjoy Fast And Secure Delivery Of Your Orders Right To Your Doorstep, With Our Reliable Shipping Services.

Read More

Easy Payments

Experience An Effortless And Smooth Shopping Experience With Our Hassle-Free And Secure Payment Options.

Read More

Our Products

31°C Partly sunny

Search

ENG IN 24-07-2023

**E-Nursery** x + localhost/E%20Nursery/home.html

**GreenScape**

Home Products Categories Review Blogs

**Our Products**

**Wandering Jew Plant**  
Rs 599/-

[View Product](#)

**Broken Heart Plant**  
From Rs 199/-

[View Product](#)

**Jade Plant Mini**  
From Rs 199/-

[View Product](#)

31°C Partly sunny

Search

ENG IN

24-07-2023

18:50

**E-Nursery** x + localhost/E%20Nursery/home.html

**GreenScape**

Home Products Categories Review Blogs

**Product Categories**

**Outdoor Plants**  
Upto 20% Off  
[Shop Now](#)

**Indoor Plants**  
Upto 20% Off  
[Shop Now](#)

**Flowering Plants**  
Upto 25% Off  
[Shop Now](#)

**Gardening Tools**  
Upto 15% Off  
[Shop Now](#)

31°C Partly sunny

Search

ENG IN

24-07-2023

18:52

**E-Nursery** x +

localhost/E%20Nursery/home.html

GreenScape 

Home Products Categories Review Blogs

Customer's Review



I Love The Selection Of Plants Available At This E-Nursery! It's My Go-To Spot For Unique And Hard-To-Find Varieties, And The Quality Is Always Top-Notch.

**Tom**

★★★★★



I Had A Great Experience Shopping With This E-Nursery. The Ordering Process Was Easy, The Prices Were Competitive, And The Plants Arrived Quickly And In Great Condition. I Will Definitely Be Back!

**Kelly**

★★★★★



I've Ordered From Several E-Nurseries Before, But This One Has The Best Customer Service By Far. They Answered All My Questions And Were Incredibly Helpful Throughout The Entire Process. The Plants Were Also Beautiful And Healthy. Highly Recommend!

**Mike**

★★★★★

31°C Partly sunny

Search

ENG IN 18:52 24-07-2023

**E-Nursery** x +

localhost/E%20Nursery/home.html

GreenScape 

Home Products Categories Review Blogs

Our Blogs



By Admin 10 April, 2023

**The Top 10 Houseplants For Beginners**

A Guide To Easy-To-Care-For Houseplants That Are Perfect For Beginners.

[Read More](#)



By Admin 12 April, 2023

**5 Tips For Choosing The Right Plants For Your Space**

A Guide To Selecting The Perfect Plants For Your Home Or Office Based On Lighting, Humidity, And Other Factors.

[Read More](#)



By Admin 15 April, 2023

**Creating An Outdoor Oasis: Tips For Landscaping With Plants**

Tips And Tricks For Incorporating Plants Into Your Outdoor Landscaping, From Choosing The Right Plants To Creating An Aesthetically Pleasing Design.

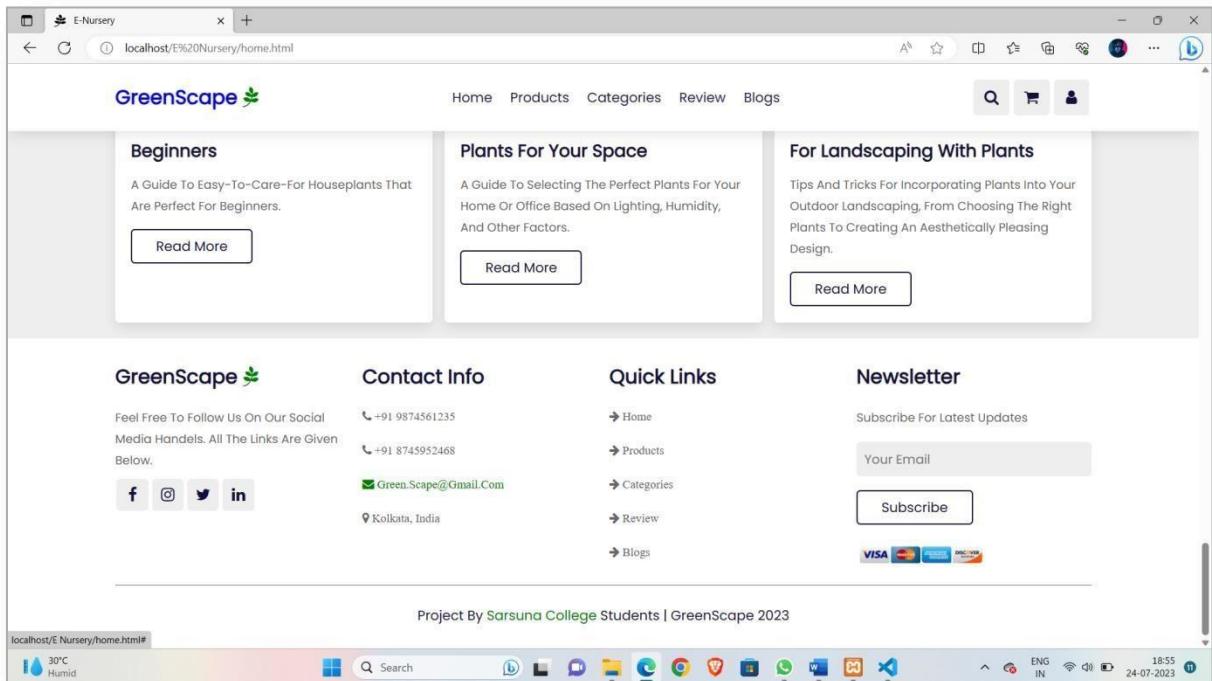
[Read More](#)

localhost/E Nursery/Login/cus\_login.php

30°C Partly cloudy

Search

ENG IN 18:53 24-07-2023



## Customer Module

### <cus\_registration.php>

```

<!DOCTYPE html>

<html>
<head>

<meta charset="utf-8"/>

<title>Registration</title>

<link rel="stylesheet" href="style.css">

</head>

<body>

<?php

$username="root";

$host="localhost";

$password="";

$database="e-nursery";

$con= mysqli_connect($host,$username,$password,$database);

/*if($con)

```

```

{
echo"Successfull";
}/*
// When form submitted, insert values into the database.

if (isset($_REQUEST['username'])) {

    // removes backslashes

    $username = stripslashes($_REQUEST['username']);

    //escapes special characters in a string

    $username = mysqli_real_escape_string($con, $username);

    $email = stripslashes($_REQUEST['email']);

    $email = mysqli_real_escape_string($con, $email);

    $password = mysqli_real_escape_string($con, $password);

    $address=stripslashes($_REQUEST['address']);

    $address=mysqli_real_escape_string($con, $address);

    $Gender=stripslashes($_REQUEST['Gender']);

    $Gender=mysqli_real_escape_string($con, $Gender);

    $create_datetime = date("Y-m-d H:i:s");

    $query = "INSERT into `customer` (username, password, email, address, Gender)

VALUES ('$username', '$password ', '$email','$address','$Gender')";

$result = mysqli_query($con, $query);

if ($result) {

    echo "<div class='form'>

        <h3>You are registered successfully.</h3><br/>

        <p class='link'>Click here to <a href='cus_login.php'>Login</a></p>

        </div>";

} else {

    echo "<div class='form'>

        <h3>Required fields are missing.</h3><br/>

        <p class='link'>Click here to <a href='cus_registration.php'>Register</a> again.</p>

        </div>";

}
}

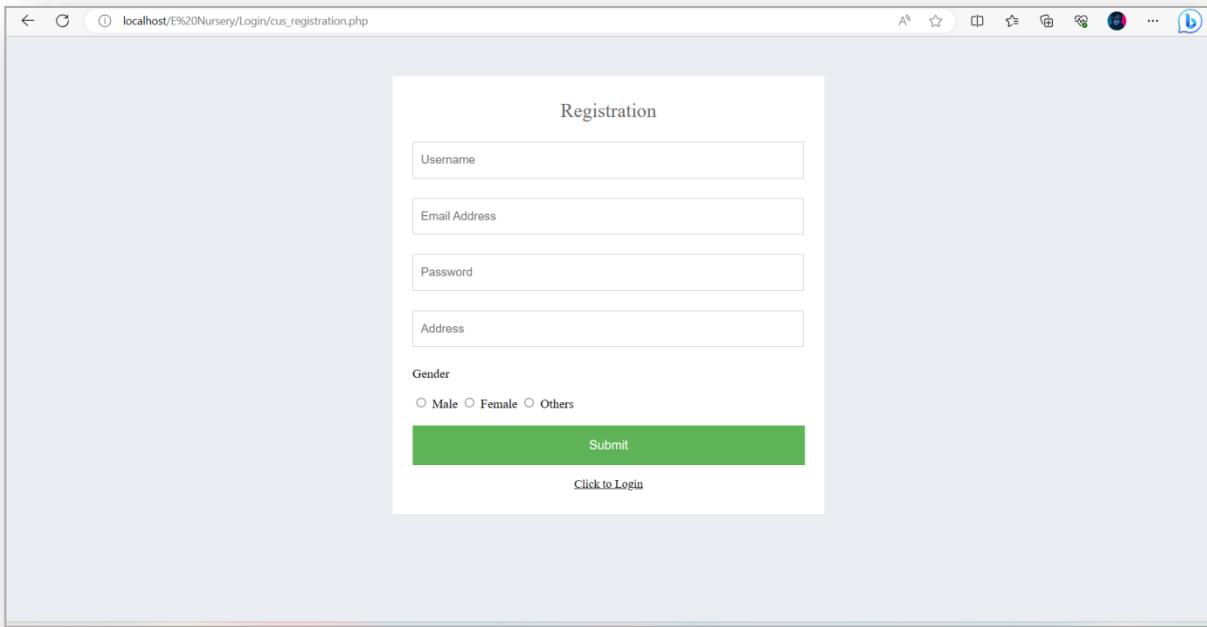
```

```

} else {
?>

<form class="form" action="" method="post">
<h1 class="login-title">Registration</h1>
<input type="text" class="login-input" name="username" placeholder="Username" required />
<input type="text" class="login-input" name="email" placeholder="Email Address" required>
<input type="password" class="login-input" name="password" placeholder="Password" required>
<input type="text" class="login-input" name="address" placeholder="Address" required>
<div >
    <label>Gender</label><br><br>
    <input type="radio" name="Gender" value="male">
        Male
    <input type="radio" name="Gender" value="female">
        Female
    <input type="radio" name="Gender" value="Others">
        Others
    <span></span>
</div><br>
<input type="submit" value="Submit" name="submit" class="login-button"/><br>
<p class="link"><a href="cus_login.php">Click to Login</a></p>
</form>
<?php
    }
?>
</body>
</html>

```



### <cus\_login.php>

```
<!DOCTYPE html>

<html>
<head>
    <meta charset="utf-8">
    <title>Login</title>
    <link rel="stylesheet" href="style.css">
</head>
<body>
<?php
    $username="root";
    $host="localhost";
    $password="";
    $database="e-nursery";
    $con= mysqli_connect($host,$username,$password,$database);
    /*if($con)
    {
        echo"Successfull";
    }
}
```

```

}*/
```

```

session_start();
```

```

// When form submitted, check and create user session.
```

```

if (isset($_POST['username'])) {
```

```

    $username = stripslashes($_REQUEST['username']); // removes backslashes
```

```

    $username = mysqli_real_escape_string($con, $username);
```

```

    $password = stripslashes($_REQUEST['password']);
```

```

    $password = mysqli_real_escape_string($con, $password);
```

```

    // Check user is exist in the database
```

```

    $query = "SELECT * FROM `customer` WHERE username='$username'
```

```

        AND password='$password'";
```

```

    $result = mysqli_query($con, $query) or die(mysql_error());
```

```

    $rows = mysqli_num_rows($result);
```

```

    if ($rows == 1) {
```

```

        $_SESSION['username'] = $username;
```

```

        // Redirect to user dashboard page
```

```

        header("Location: amni.html");
```

```

    }
```

```

    else {
```

```

        echo "<div class='form'>
```

```

            <h3>Incorrect Username/password.</h3><br/>
```

```

            <p class='link'>Click here to <a href='cus_login.php'>Login</a> again.</p>
```

```

        </div>";
```

```

    }
```

```

} else {
```

```

?>
```

```

<form class="form" method="post" name="login">
```

```

<h1 class="login-title">Login</h1>
```

```

<input type="text" class="login-input" name="username" placeholder="Username"
autofocus="true"/>
```

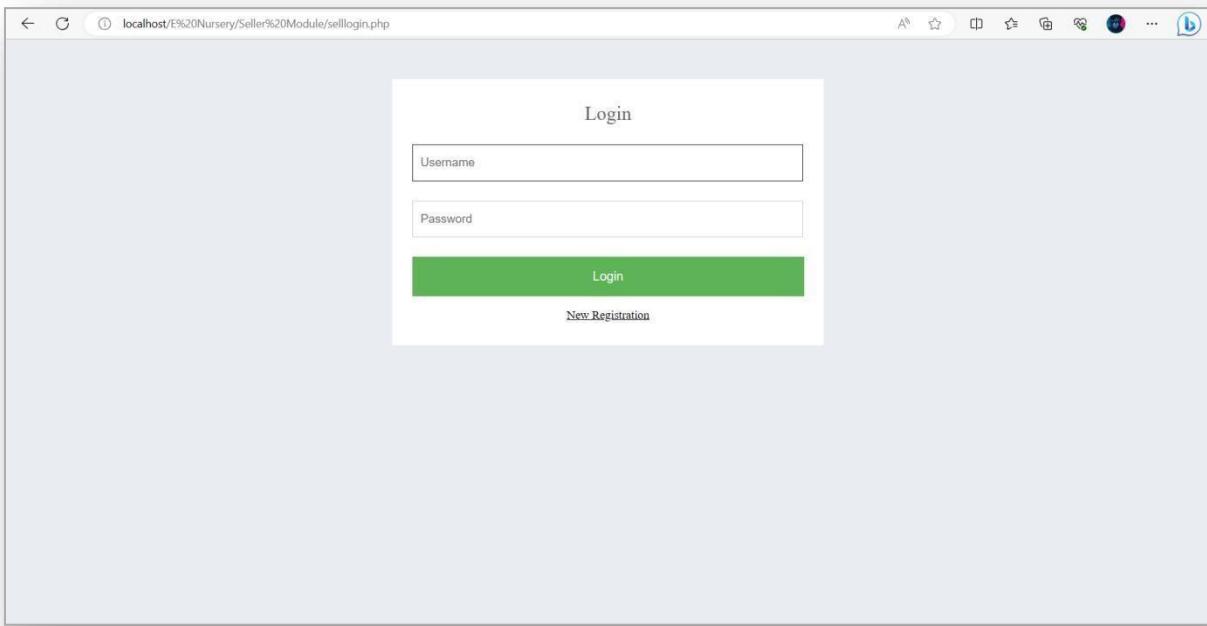
```

<input type="password" class="login-input" name="password" placeholder="Password"/>
```

```

<input type="submit" value="Login" name="submit" class="login-button"/>
<p class="link"><a href="cus_registration.php"> New Registration</a></p>
</form>
<?php
    }
?>
</body>
</html>

```



### <style.css>

```

@import
url('https://fonts.googleapis.com/css2?family=Poppins:wght@200;300;400&display=swap');

body {
    background: #e9edf1;
}

.form {
    margin: 50px auto;
    width: 500px;
    padding: 30px 25px;
    background: white;
}

```

```
}

h1.login-title {
    color: #666;
    margin: 0px auto 25px;
    font-size: 25px;
    font-weight: 300;
    text-align: center;
}

.login-input {
    font-size: 15px;
    border: 1px solid #ccc;
    padding: 10px;
    margin-bottom: 25px;
    height: 25px;
    width: calc(100% - 23px);
}

.login-input:focus {
    border-color:#161b20;
    outline: none;
}

.login-button {
    color: #fff;
    background: #5eb356;
    border: 0;
    outline: 0;
    width: 100%;
    height: 50px;
    font-size: 16px;
    text-align: center;
    cursor: pointer;
}
```

```
.link {  
    color: rgb(255, 254, 254);  
    font-size: 15px;  
    text-align: center;  
    margin-bottom: 0px;  
}  
.link a {  
    color: rgb(8, 8, 8);  
}  
h3 {  
    font-weight: normal;  
    text-align: center;  
}
```

### <config.php>

```
<?php  
$username="root";  
$host="localhost";  
$password="";  
$database="e-nursery";  
$con= mysqli_connect($host,$username,$password,$database);  
?>
```

### <action.php>

```
<?php  
session_start();  
require 'config.php';  
// Add products into the cart table  
if (isset($_POST['pid'])) {  
    $pid = $_POST['pid'];  
    $pname = $_POST['pname'];
```

```

$pprice = $_POST['pprice'];
$pimage = $_POST['pimage'];
$pcode = $_POST['pcode'];
$pqty = $_POST['pqty'];
$total_price = $pprice * $pqty;
$stmt = $con->prepare('SELECT product_code FROM cart WHERE product_code=?');
$stmt->bind_param('s',$pcode);
$stmt->execute();
$res = $stmt->get_result();
$r = $res->fetch_assoc();
$code = $r['product_code'] ?? '';
if (!$code) {
    $query = $con->prepare('INSERT INTO cart
(`product_name`, `product_price`, `product_image`, `qty`, `total_price`, `product_code`) VALUES
(?,?,?,?,?,?)');
    $query->bind_param('sssss',$pname,$pprice,$pimage,$pqty,$total_price,$pcode);
    $query->execute();
    echo '<div class="alert alert-success alert-dismissible mt-2">
        <button type="button" class="close" data-dismiss="alert">&times;</button>
        <strong>Item added to your cart!</strong>
    </div>';
} else {
    echo '<div class="alert alert-danger alert-dismissible mt-2">
        <button type="button" class="close" data-dismiss="alert">&times;</button>
        <strong>Item already added to your cart!</strong>
    </div>';
}
// Get no.of items available in the cart table
if (isset($_GET['cartItem']) && isset($_GET['cartItem']) == 'cart_item') {
    $stmt = $con->prepare('SELECT * FROM cart');
    $stmt->execute();
}

```

```

$stmt->store_result();

$rows = $stmt->num_rows;

echo $rows;

}

// Remove single items from cart

if (isset($_GET['remove'])) {

    $id = $_GET['remove'];

    $stmt = $con->prepare('DELETE FROM cart WHERE id=?');

    $stmt->bind_param('i', $id);

    $stmt->execute();

    $_SESSION['showAlert'] = 'block';

    $_SESSION['message'] = 'Item removed from the cart!';

    header('location:cart.php');

}

// Remove all items at once from cart

if (isset($_GET['clear'])) {

    $stmt = $con->prepare('DELETE FROM cart');

    $stmt->execute();

    $_SESSION['showAlert'] = 'block';

    $_SESSION['message'] = 'All Item removed from the cart!';

    header('location:cart.php');

}

// Set total price of the product in the cart table

if (isset($_POST['qty'])) {

    $qty = $_POST['qty'];

    $pid = $_POST['pid'];

    $pprice = $_POST['pprice'];

    $tprice = $qty * $pprice;

    $stmt = $conn->prepare('UPDATE cart SET qty=?, total_price=? WHERE id=?');

    $stmt->bind_param('isi', $qty, $tprice, $pid);

    $stmt->execute();
}

```

```

}

// Checkout and save customer info in the orders table

if (isset($_POST['action']) && isset($_POST['action']) == 'order') {

    $name = $_POST['name'];

    $email = $_POST['email'];

    $phone = $_POST['phone'];

    $products = $_POST['products'];

    $grand_total = $_POST['grand_total'];

    $address = $_POST['address'];

    $pmode = $_POST['pmode'];

    $data = "";

    $stmt = $con->prepare('INSERT INTO orders
(name,email,phone,address,pmode,products,amount_paid)VALUES(?,?,?,?,?,?,?)');

    $stmt-
>bind_param('ssssss',$name,$email,$phone,$address,$pmode,$products,$grand_total);

    $stmt->execute();

    $stmt2 = $con->prepare('DELETE FROM cart');

    $stmt2->execute();

    $data .= '<div class="text-center">

<h1 class="display-4 mt-2 text-danger">Thank You!</h1>

<h2 class="text-success">Your Order Placed Successfully!</h2>

<h4 class="bg-danger text-light rounded p-2">Items Purchased : ' . $products . '</h4>

<h4>Your Name : ' . $name . '</h4>

<h4>Your E-mail : ' . $email . '</h4>

<h4>Your Phone : ' . $phone . '</h4>

<h4>Total Amount Paid : ' . number_format($grand_total,2) . '</h4>

<h4>Payment Mode : ' . $pmode . '</h4>

</div>';

    echo $data;
}

?>
```

### <index.php>

```
<!DOCTYPE html>

<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
    <title>Shopping Cart System</title>
    <link rel='stylesheet' href='https://cdnjs.cloudflare.com/ajax/libs/twitter-bootstrap/4.5.2/css/bootstrap.min.css' />
    <link rel='stylesheet' href='https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.9.0/css/all.min.css' />
</head>

<body>
    <!-- Navbar start -->
    <nav class="navbar navbar-expand-md bg-dark navbar-dark">
        <a class="navbar-brand" href="index.php"><i class="fas fa-shopping-bag"></i>&ampnbsp&ampnbspProduct Page</a>
        <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#collapsibleNavbar">
            <span class="navbar-toggler-icon"></span>
        </button>
        <div class="collapse navbar-collapse" id="collapsibleNavbar">
            <ul class="navbar-nav ml-auto">
                <li class="nav-item">
                    <a class="nav-link active" href="index.php"><i class="fas fa-mobile-alt mr-2"></i>Products</a>
                </li>
                <li class="nav-item">
                    <a class="nav-link" href="checkout.php"><i class="fas fa-money-check-alt mr-2"></i>Checkout</a>
                </li>
                <li class="nav-item">
```

```

<a class="nav-link" href="table.html"><i class="fas fa-sign-out-alt" ></i> <span id="c"
class="ba"></span></a>

</li>
<li class="nav-item">
<a class="nav-link" href="cart.php"><i class="fas fa-shopping-cart" ></i> <span id="cart-item"
class="badge badge-danger"></span></a>
</li>
</ul>
</div>
</nav>

<!-- Navbar end -->
```

```

<!-- Displaying Products Start -->
<div class="container">
<div id="message"></div>
<div class="row mt-2 pb-3">
<?php
    include 'config.php';
    $stmt = $con->prepare('SELECT * FROM product');
    $stmt->execute();
    $result = $stmt->get_result();
    while ($row = $result->fetch_assoc()):
        ?>
<div class="col-sm-6 col-md-4 col-lg-3 mb-2">
    <div class="card-deck">
        <div class="card p-2 border-secondary mb-2">
            " class="card-img-top" height="250">
            <div class="card-body p-1">
                <h4 class="card-title text-center text-info"><?= $row['product_name'] ?></h4>
                <h6 class="card-title text-center text-info"><?= $row['Product_desc'] ?></h6>
                <h5 class="card-text text-center text-danger"><i class="fas fa-rupee-
sign" ></i>&nbsp;&nbsp;<?= number_format($row['product_price'],2) ?>/</h5>
```

```

        </div>

        <div class="card-footer p-1">
            <form action="" class="form-submit">
                <div class="row p-2">
                    <div class="col-md-6 py-1 pl-4">
                        <b>Quantity : </b>
                    </div>
                    <div class="col-md-6">
                        <input type="number" class="form-control pqty" value="<?= $row['product_qty'] ?>">
                    </div>
                </div>
                <input type="hidden" class="pid" value="<?= $row['id'] ?>">
                <input type="hidden" class="pname" value="<?= $row['product_name'] ?>">
                <input type="hidden" class="pprice" value="<?= $row['product_price'] ?>">
                <input type="hidden" class="pimage" value="<?php echo $row["product_image"];?>">
                <input type="hidden" class="PCODE" value="<?= $row['product_code'] ?>">
                <button class="btn btn-info btn-block addItemBtn"><i class="fas fa-cart-plus"></i>&ampnbsp&ampnbspAdd to
                    cart</button>
            </form>
        </div>
    </div>
</div>
<?php endwhile; ?>
</div>
</div>
<!-- Displaying Products End -->
<script src='https://cdnjs.cloudflare.com/ajax/libs/jquery/3.5.1/jquery.min.js'></script>
<script src='https://cdnjs.cloudflare.com/ajax/libs/twitter-bootstrap/4.5.2/js/bootstrap.min.js'></script>
<script type="text/javascript">

```

```

$(document).ready(function() {
    // Send product details in the server
    $(".addItemBtn").click(function(e) {
        e.preventDefault();
        var $form = $(this).closest(".form-submit");
        var pid = $form.find(".pid").val();
        var pname = $form.find(".pname").val();
        var pprice = $form.find(".pprice").val();
        var pimage = $form.find(".pimage").val();
        var pcode = $form.find(".pcode").val();
        var pqty = $form.find(".pqty").val();
        $.ajax({
            url: 'action.php',
            method: 'post',
            data: {
                pid: pid,
                pname: pname,
                pprice: pprice,
                pqty: pqty,
                pimage: pimage,
                pcode: pcode
            },
            success: function(response) {
                $("#message").html(response);
                window.scrollTo(0, 0);
                load_cart_item_number();
            }
        });
    });
    // Load total no.of items added in the cart and display in the navbar
    load_cart_item_number();
}

```

```

        function load_cart_item_number() {
            $.ajax({
                url: 'action.php',
                method: 'get',
                data: {
                    cartItem: "cart_item"
                },
                success: function(response) {
                    $("#cart-item").html(response);
                }
            });
        }
    });

</script>
</body>
</html>

```

### **<product.php>**

```

<?php
$username="root";
$host="localhost";
$password="";
$database="e-nursery";
$con= mysqli_connect($host,$username,$password,$database);
/*
if($con)
{
echo"Successfull";
}*/
$sql="SELECT Image,Product_name,Price
FROM product where Category='Indoor Plants'";

```

```

$all_product=$con->query($sql);

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Product Card</title>

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">

<style>

@import
url('https://fonts.googleapis.com/css2?family=Montserrat:wght@100;200;300;400;700;900&family=Raleway:wght@100;300;500;700&display=swap');




:root{

--bodyBack: #ffeaed;

--textColor: #1b2741;

--starColor: #eedf13;

--sectionBack: #f7f6f9;

}

*{



padding: 0;

margin: 0;

box-sizing: border-box;

font-family: 'Raleway', sans-serif;

}

body{

background-color: var(--bodyBack);

min-height: 100vh;

display: grid;

```

```
    place-content: center;  
}  
  
.container{  
    height:80vh;  
    display: flex;  
    flex-direction: column;  
    justify-content: space-around;  
}  
  
.header{  
    width: 100%;  
    text-align: center;  
}  
  
.header h1{  
    font-size: 4em;  
    text-transform: uppercase;  
    color: var(--textColor);  
}  
  
.products{  
    width: 100%;  
    align-self: center;  
    height: 70%;  
    display: flex;  
    justify-content: center;  
    flex-wrap: wrap;  
    gap: 40px;  
    flex-direction: column;  
}  
  
.product{  
    position: relative;  
    background-color: var(--sectionBack);  
    width: 350px;
```

```
height: 100%;  
box-shadow: 0 5px 20px rgba(0, 0, 0, .3);  
display: flex;  
flex-direction: column;  
justify-content: space-between;  
padding: 20px 20px 40px;  
border-radius: 10px;  
transition: .3s;  
}  
.product:hover{  
transform: translateY(-15px);  
box-shadow: 0 5px 10px rgba(0, 0, 0, .2);  
}  
.image{  
width: 100%;  
height: 60%;  
display: grid;  
place-content: center;  
}  
.image img{  
width: 240px;  
}  
.name{  
width: 100%;  
display: flex;  
justify-content: space-between;  
text-align: center;  
}  
.name h3{  
font-size: 2em;  
text-transform: capitalize;
```

```
color: var(--textColor);  
}  
  
.product p span{  
    font-size: 1.5em;  
    font-family: 'Times New Roman', Times, serif;  
    color: rgb(134, 127, 127);  
}  
  
.stars{  
    font-size: 1.1em;  
    color: var(--starColor);  
}  
  
.view{  
    position: absolute;  
    bottom: 20px;  
    right: 20px;  
}  
  
.view button{  
    padding: 10px 20px;  
    border-radius: 7px;  
    border: none;  
    background-color: var(--textColor);  
    color: var(--sectionBack);  
    font-size: 18px;  
    text-transform: capitalize;  
    cursor: pointer;  
    transition: .5s;  
}  
  
.view button:hover{  
    transform: scale(1.1);  
}  
  
</style>
```

```
</head>

<body>

    <div class="container">

        <div class="header">
            <h1> Our Products</h1>
        </div>

        <?php

include_once 'product.php';

?>

<?php

while($row=mysqli_fetch_assoc($all_product))

{

?>

    <div class="products">

        <div class="product">

            <div class="image">
                <img src=<?php echo $row["Image"];?> alt="">
            </div><br>

            <div class="name">
                <h2><?php echo $row["Product_name"]; ?></h2>
            </div>

            <p><span>Rs <?php echo $row["Price"];?>/-</span></p>

            <div class="stars">

                <i class="fa fa-star"></i>
                <i class="fa fa-star"></i>
                <i class="fa fa-star"></i>
                <i class="fa fa-star"></i>
                <i class="fa fa-star-half"></i>

            </div>

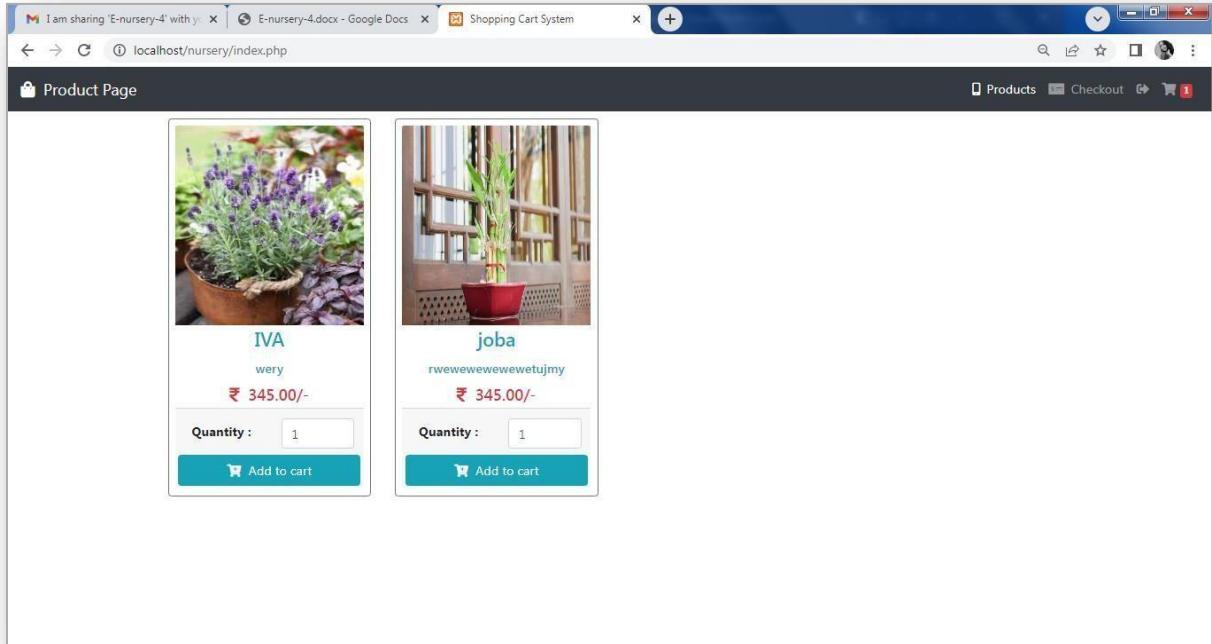
        <?php

?>
```

```

<div class="view">
    <button>View Product</button>
</div>
</div>
<?php
}
?>
</div>
</div>
</body>
</html>

```



### <cart.php>

```

<?php
session_start();
?>
<!DOCTYPE html>
<html lang="en">
<head>

```

```

<meta charset="UTF-8">
<meta name="author" content="Sahil Kumar">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
<title>Cart</title>
<link rel='stylesheet' href='https://cdnjs.cloudflare.com/ajax/libs/twitter-bootstrap/4.5.2/css/bootstrap.min.css' />
<link rel='stylesheet' href='https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.9.0/css/all.min.css' />
</head>
<body>
<nav class="navbar navbar-expand-md bg-dark navbar-dark">
    <!-- Brand -->
    <a class="navbar-brand" href="index.php">My Cart</a>
    <!-- Toggler/collapsible Button -->
    <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#collapsibleNavbar">
        <span class="navbar-toggler-icon"></span>
    </button>
    <!-- Navbar links -->
    <div class="collapse navbar-collapse" id="collapsibleNavbar">
        <ul class="navbar-nav ml-auto">
            <li class="nav-item">
                <a class="nav-link active" href="index.php"><i class="fas fa-mobile-alt mr-2"></i>Products</a>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="checkout.php"><i class="fas fa-money-check-alt mr-2"></i>Checkout</a>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="cart.php"><i class="fas fa-shopping-cart"></i> <span id="cart-item" class="badge badge-danger"></span></a>
            </li>
        </ul>
    </div>
</nav>

```

```

        </ul>
    </div>
</nav>
<div class="container">
    <div class="row justify-content-center">
        <div class="col-lg-10">
            <div style="display:<?php if (isset($_SESSION['showAlert'])) {>
                echo $_SESSION['showAlert'];
            } else {
                echo 'none';
            } unset($_SESSION['showAlert']); ?>" class="alert alert-success alert-dismissible mt-3">
                <button type="button" class="close" data-dismiss="alert">&times;</button>
                <strong><?php if (isset($_SESSION['message'])) {>
                    echo $_SESSION['message'];
                } unset($_SESSION['showAlert']); ?></strong>
            </div>
            <div class="table-responsive mt-2">
                <table class="table table-bordered table-striped text-center">
                    <thead>
                        <tr>
                            <td colspan="7">
                                <h4 class="text-center text-info m-0">Products in your cart!</h4>
                            </td>
                        </tr>
                    <tr>
                        <th>ID</th>
                        <th>Image</th>
                        <th>Product</th>
                        <th>Price</th>
                        <th>Quantity</th>
                        <th>Total Price</th>
                    </thead>

```

```

<th>
    <a href="action.php?clear=all" class="badge-danger badge p-1" onclick="return
confirm('Are you sure want to clear your cart?');"><i class="fas fa-trash"></i>&nbsp;&nbsp;Clear
Cart</a>
</th>
</tr>
</thead>
<tbody>
<?php
    require 'config.php';
    $stmt = $con->prepare('SELECT * FROM cart');
    $stmt->execute();
    $result = $stmt->get_result();
    $grand_total = 0;
    while ($row = $result->fetch_assoc()):
?>
<tr>
    <td><?= $row['id'] ?></td>
    <input type="hidden" class="pid" value="<?= $row['id'] ?>">
    <td></td>
    <td><?= $row['product_name'] ?></td>
    <td>
        <i class="fas fa-rupee-sign"></i>&nbsp;&nbsp;<?=
        number_format($row['product_price'],2); ?>
    </td>
    <input type="hidden" class="pprice" value="<?= $row['product_price'] ?>">
    <td>
        <input type="number" class="form-control itemQty" value="<?= $row['qty'] ?>">
        style="width:75px;">
    </td>
    <td><i class="fas fa-rupee-sign"></i>&nbsp;&nbsp;<?=
        number_format($row['total_price'],2); ?></td>
    <td>

```

```

        <a href="action.php?remove=<?= $row['id'] ?>" class="text-danger lead" onclick="return
confirm('Are you sure want to remove this item?');"><i class="fas fa-trash-alt"></i></a>

    </td>
</tr>
<?php $grand_total += $row['total_price']; ?>
<?php endwhile; ?>
<tr>
<td colspan="3">
<a href="index.php" class="btn btn-success"><i class="fas fa-cart-plus"></i>&ampnbsp&ampnbsp
    Continue Shopping</a>
</td>
<td colspan="2"><b>Grand Total</b></td>
<td><b><i class="fas fa-rupee-sign"></i>&ampnbsp&ampnbsp<?= number_format($grand_total,2);
?></b></td>
<td>
<a href="checkout.php" class="btn btn-info <?= ($grand_total > 1) ? "disabled"; ?>"><i
class="far fa-credit-card"></i>&ampnbsp&ampnbspCheckout</a>
</td>
</tr>
</tbody>
</table>
</div>
</div>
</div>
</div>
<script src='https://cdnjs.cloudflare.com/ajax/libs/jquery/3.5.1/jquery.min.js'></script>
<script src='https://cdnjs.cloudflare.com/ajax/libs/twitter-
bootstrap/4.5.2/js/bootstrap.min.js'></script>
<script type="text/javascript">
$(document).ready(function() {
    // Change the item quantity
    $(".itemQty").on('change', function() {

```

```

var $el = $(this).closest('tr');

var pid = $el.find(".pid").val();

var pprice = $el.find(".pprice").val();

var qty = $el.find(".itemQty").val();

location.reload(true);

$.ajax({

    url: 'action.php',

    method: 'post',

    cache: false,

    data: {

        qty: qty,

        pid: pid,

        pprice: pprice

    },

    success: function(response) {

        console.log(response);

    }

});

});

// Load total no.of items added in the cart and display in the navbar

load_cart_item_number();

function load_cart_item_number() {

    $.ajax({

        url: 'action.php',

        method: 'get',

        data: {

            cartItem: "cart_item"

        },

        success: function(response) {

            $("#cart-item").html(response);

        }

    });

}

```

```

    });
}

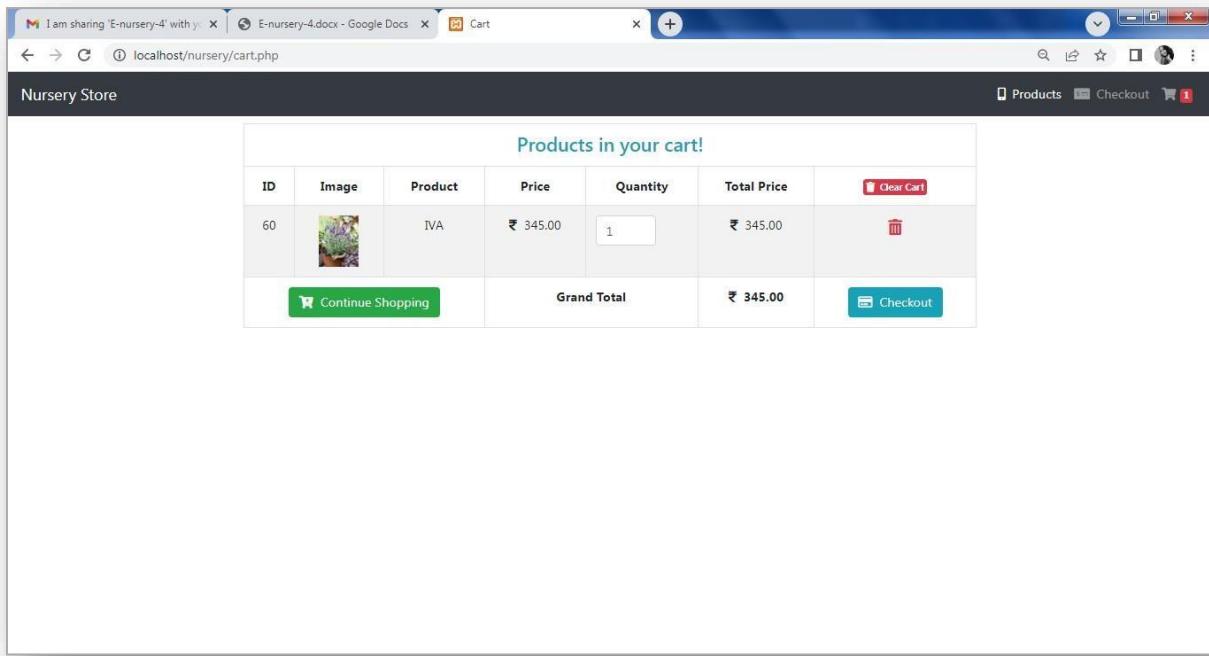
});

</script>

</body>

</html>

```



### <checkout.php>

```

<?php

require 'config.php';

$grand_total = 0;
$allItems = "";
$items = [];

$sql = "SELECT CONCAT(product_name, '(',qty,')') AS ItemQty, total_price FROM cart";
$stmt = $con->prepare($sql);
$stmt->execute();
$result = $stmt->get_result();
while ($row = $result->fetch_assoc()) {
    $grand_total += $row['total_price'];
}

```

```

    $items[] = $row['ItemQty'];

}

$allItems = implode(', ', $items);

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

<title>Checkout</title>

<link rel='stylesheet' href='https://cdnjs.cloudflare.com/ajax/libs/twitter-
bootstrap/4.5.2/css/bootstrap.min.css' />

<link rel='stylesheet' href='https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/5.9.0/css/all.min.css' />

</head>

<body>

<nav class="navbar navbar-expand-md bg-dark navbar-dark">

<!-- Brand -->

<a class="navbar-brand" href="index.php">Nursery Store</a>

<!-- Toggler/collapsible Button -->

<button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#collapsibleNavbar">

<span class="navbar-toggler-icon"></span>

</button>

<!-- Navbar links -->

<div class="collapse navbar-collapse" id="collapsibleNavbar">

<ul class="navbar-nav ml-auto">

<li class="nav-item">

<a class="nav-link active" href="index.php"><i class="fas fa-mobile-alt mr-2"></i>Products</a>

</li>

<li class="nav-item">

```

```

    <a class="nav-link" href="checkout.php"><i class="fas fa-money-check-alt mr-2"></i>Checkout</a>
  </li>
<li class="nav-item">
  <a class="nav-link" href="cart.php"><i class="fas fa-shopping-cart"></i> <span id="cart-item" class="badge badge-danger"></span></a>
</li>
</ul>
</div>
</nav>

<div class="container">
  <div class="row justify-content-center">
    <div class="col-lg-6 px-4 pb-4" id="order">
      <h4 class="text-center text-info p-2">Complete your order!</h4>
      <div class="jumbotron p-3 mb-2 text-center">
        <h6 class="lead"><b>Product(s) : </b><?= $allItems; ?></h6>
        <h6 class="lead"><b>Delivery Charge : </b>Free</h6>
        <h5><b>Total Amount Payable : </b><?= number_format($grand_total,2) ?>/-</h5>
      </div>
      <form action="" method="post" id="placeOrder">
        <input type="hidden" name="products" value="<?= $allItems; ?>">
        <input type="hidden" name="grand_total" value="<?= $grand_total; ?>">
        <div class="form-group">
          <input type="text" name="name" class="form-control" placeholder="Enter Name" required>
        </div>
        <div class="form-group">
          <input type="email" name="email" class="form-control" placeholder="Enter E-Mail" required>
        </div>
        <div class="form-group">
          <input type="tel" name="phone" class="form-control" placeholder="Enter Phone" required>
        </div>
      </form>
    </div>
  </div>
</div>

```

```

<div class="form-group">
    <textarea name="address" class="form-control" rows="3" cols="10" placeholder="Enter
Delivery Address Here... "></textarea>
</div>

<h6 class="text-center lead">Select Payment Mode</h6>

<div class="form-group">
    <select name="pmode" class="form-control">
        <option value="" selected disabled>-Select Payment Mode-</option>
        <option value="cod">Cash On Delivery</option>
    </select>
</div>

<div class="form-group">
    <input type="submit" name="submit" value="Place Order" class="btn btn-danger btn-block">
</div>
</form>
</div>
</div>
<script src='https://cdnjs.cloudflare.com/ajax/libs/jquery/3.5.1/jquery.min.js'></script>
<script src='https://cdnjs.cloudflare.com/ajax/libs/twitter-
bootstrap/4.5.2/js/bootstrap.min.js'></script>
<script type="text/javascript">
$(document).ready(function() {
    // Sending Form data to the server
    $("#placeOrder").submit(function(e) {
        e.preventDefault();
        $.ajax({
            url: 'action.php',
            method: 'post',
            data: $('form').serialize() + "&action=order",
            success: function(response) {
                $("#order").html(response);
            }
        });
    });
});

```

```
        }

    });

});

// Load total no.of items added in the cart and display in the navbar

load_cart_item_number();

function load_cart_item_number() {

$.ajax({

    url: 'action.php',
    method: 'get',
    data: {
        cartItem: "cart_item"
    },
    success: function(response) {
        $("#cart-item").html(response);
    }
});

}

});

</script>

</body>

</html>
```

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localhost/nursery/checkout.php

Nursery Store

Products Checkout 1

Complete your order!

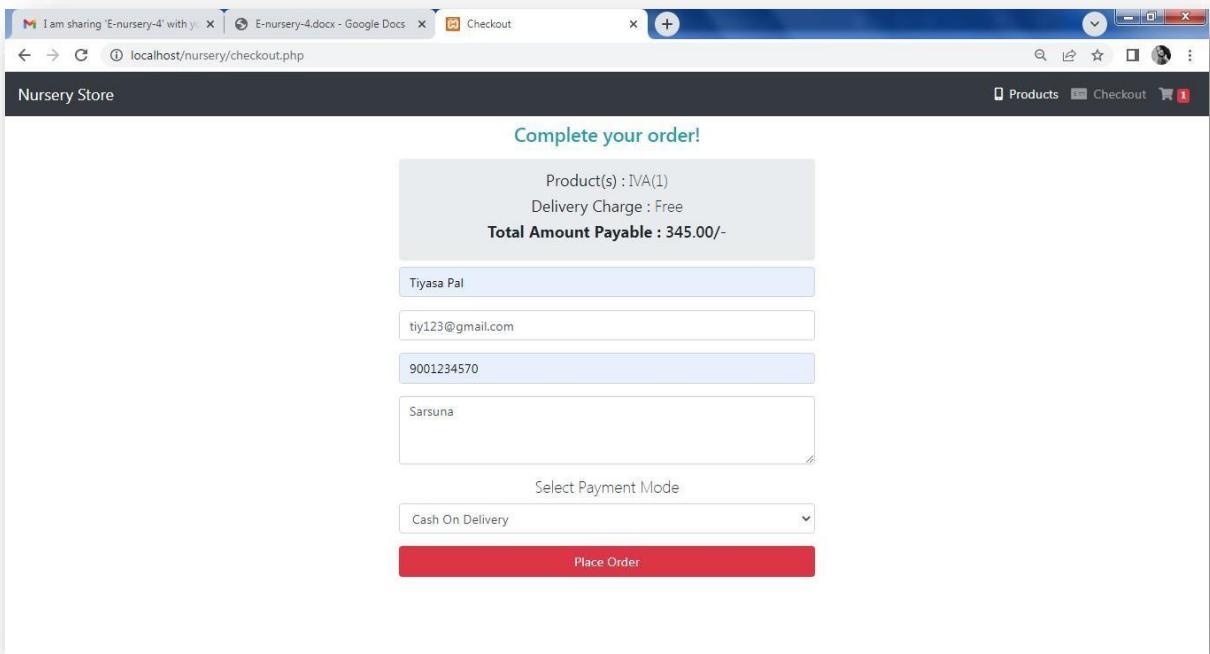
Product(s) : IVA(1)  
Delivery Charge : Free  
**Total Amount Payable : 345.00/-**

Tiyasa Pal  
tiy123@gmail.com  
9001234570  
Sarsuna

Select Payment Mode

Cash On Delivery

**Place Order**



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localhost/nursery/checkout.php

Nursery Store

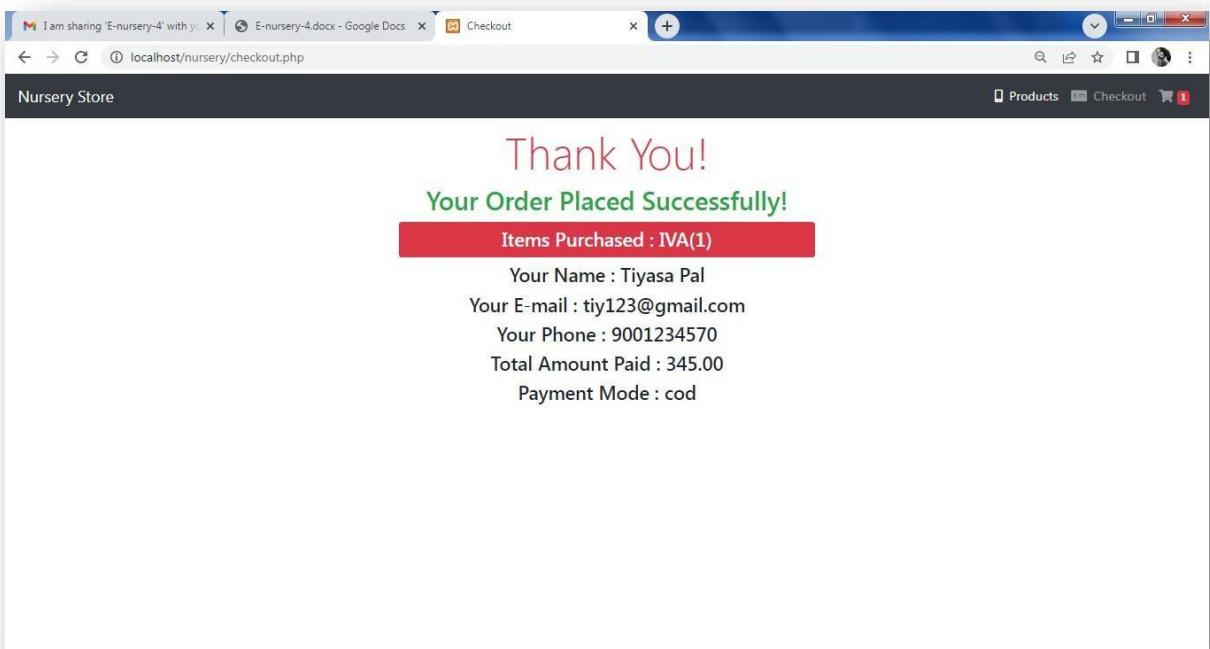
Products Checkout 1

**Thank You!**

**Your Order Placed Successfully!**

Items Purchased : IVA(1)

Your Name : Tiyasa Pal  
Your E-mail : tiy123@gmail.com  
Your Phone : 9001234570  
Total Amount Paid : 345.00  
Payment Mode : cod



## Seller Module

### <sellogin.php>

```
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8"/>
<title>Login</title>
<link rel="stylesheet" href="style.css"/>
</head>
<body>
<?php
$username="root";
$host="localhost";
$password="";
$database="e-nursery";
$con= mysqli_connect($host,$username,$password,$database);
/*if($con)
{
echo"Successfull";
}*/
session_start();
// When form submitted, check and create user session.
if (isset($_POST['username'])) {
$username = stripslashes($_REQUEST['username']); // removes backslashes
$username = mysqli_real_escape_string($con, $username);
$password = stripslashes($_REQUEST['password']);
$password = mysqli_real_escape_string($con, $password);
// Check user is exist in the database
$query = "SELECT * FROM `seller` WHERE username='".$username'
AND password='".$password."'";
$result = mysqli_query($con, $query) or die(mysql_error());

```

```

$rows = mysqli_num_rows($result);

if ($rows == 1) {
    $_SESSION['username'] = $username;
    // Redirect to user dashboard page
    header("Location: bg2.jpg");
} else {
    echo "<div class='form'>
        <h3>Incorrect Username/password.</h3><br/>
        <p class='link'>Click here to <a href='login.php'>Login</a> again.</p>
    </div>";
}

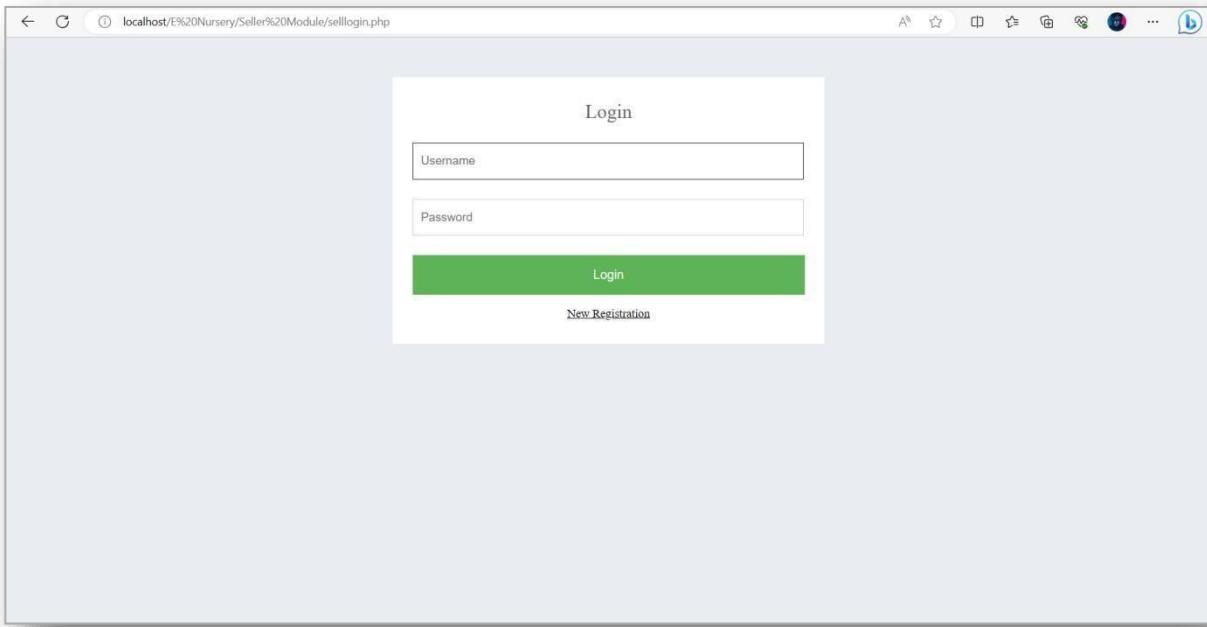
} else {
?>

<form class="form" method="post" name="login">
    <h1 class="login-title">Login</h1>
    <input type="text" class="login-input" name="username" placeholder="Username" autofocus="true"/>
    <input type="password" class="login-input" name="password" placeholder="Password"/>
    <input type="submit" value="Login" name="submit" class="login-button"/>
    <p class="link"><a href="sellerreg.php">New Registration</a></p>
</form>

<?php
}
?>

</body>
</html>

```



### <sellerreg.php>

```
<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8"/>
    <title>Registration</title>
    <link rel="stylesheet" href="style.css"/>
</head>
<body>
<?php
    $username="root";
    $host="localhost";
    $password="";
    $database="e-nursery";
    $con= mysqli_connect($host,$username,$password,$database);
    /*if($con)
    {
        echo"Successfull";
    }
}
```

```

}*/



// When form submitted, insert values into the database.

if (isset($_REQUEST['username'])) {

    // removes backslashes

    $username = stripslashes($_REQUEST['username']);

    //escapes special characters in a string

    $username = mysqli_real_escape_string($con, $username);

    $email = stripslashes($_REQUEST['email']);

    $email = mysqli_real_escape_string($con, $email);

    $mobile_no = stripslashes($_REQUEST['mobile_no']);

    $mobile_no = mysqli_real_escape_string($con, $mobile_no);

    $password = mysqli_real_escape_string($con, $password);

    $bank_name=stripslashes($_REQUEST['bank_name']);

    $bank_name = mysqli_real_escape_string($con, $bank_name);

    $IFSC_code=stripslashes($_REQUEST['IFSC_code']);

    $IFSC_code= mysqli_real_escape_string($con, $IFSC_code);

    $query = "INSERT into `seller` (username, email, mobile_no, password, bank_name, IFSC_code)

VALUES ('$username', '$email', '$mobile_no', '$password', '$bank_name', '$IFSC_code')";

    $result = mysqli_query($con, $query);

    if ($result) {

        echo "<div class='form'>

            <h3>You are registered successfully.</h3><br/>

            <p class='link'>Click here to <a href='login.php'>Login</a></p>

        </div>";

    } else {

        echo "<div class='form'>

            <h3>Required fields are missing.</h3><br/>

            <p class='link'>Click here to <a href='registration.php'>registration</a> again.</p>

        </div>";

    }

} else {

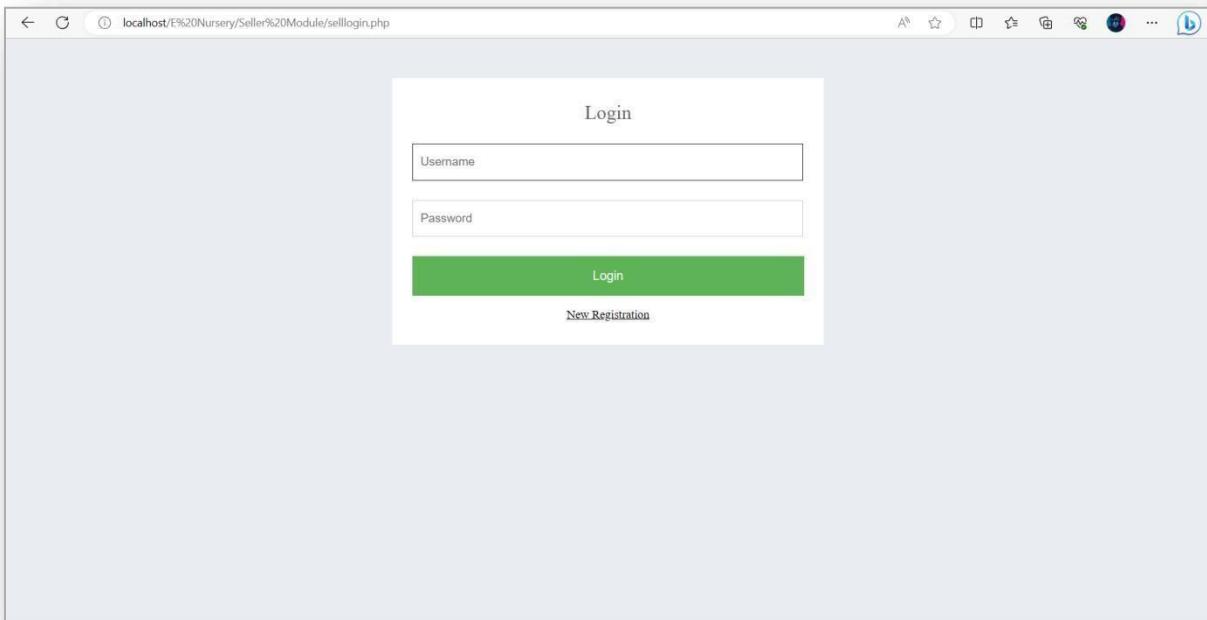
```

```

?>

<form class="form" action="" method="post">
    <h1 class="login-title">Registration</h1>
    <input type="text" class="login-input" name="username" placeholder="Username" required />
    <input type="text" class="login-input" name="email" placeholder="Email Adress" required>
    <input type="number" class="login-input" name="mobile_no" placeholder="Mobile Number" required>
    <input type="password" class="login-input" name="password" placeholder="Password" required>
    <input type="text" class="login-input" name="bank_name" placeholder="Bank Name" required>
    <input type="text" class="login-input" name="IFSC_code" placeholder="IFSC Code" required>
    <input type="submit" value="Submit" name="submit" class="login-button"/><br>
    <p class="link"><a href="login.php">Click to Login</a></p>
</form>
<?php
}?
</body>
</html>

```



**<style.css>**

```
@import
url('https://fonts.googleapis.com/css2?family=Poppins:wght@200;300;400&display=swap');

body {
    background: #e9edf1;
}

.form {
    margin: 50px auto;
    width: 500px;
    padding: 30px 25px;
    background: white;
}

h1.login-title {
    color: #666;
    margin: 0px auto 25px;
    font-size: 25px;
    font-weight: 300;
    text-align: center;
}

.login-input {
    font-size: 15px;
    border: 1px solid #ccc;
    padding: 10px;
    margin-bottom: 25px;
    height: 25px;
    width: calc(100% - 23px);
}

.login-input:focus {
    border-color:#161b20;
    outline: none;
}
```

```
.login-button {  
    color: #fff;  
    background: #5eb356;  
    border: 0;  
    outline: 0;  
    width: 100%;  
    height: 50px;  
    font-size: 16px;  
    text-align: center;  
    cursor: pointer;  
}  
  
.link {  
    color: rgb(255, 254, 254);  
    font-size: 15px;  
    text-align: center;  
    margin-bottom: 0px;  
}  
  
.link a {  
    color: rgb(8, 8, 8);  
}  
  
h3 {  
    font-weight: normal;  
    text-align: center;  
}
```

### <seller page.php>

```
<?php  
$username="root";  
$host="localhost";  
$password="";  
$database="e-nursery";
```

```
$con= mysqli_connect($host,$username,$password,$database);

/*if($con)

{
echo"success";

}*/



if(isset( $_POST['Seller_name']))



{

$Seller_name=$_POST['Seller_name'];

}

if(isset( $_POST['Seller_email']))



{

$Seller_email=$_POST['Seller_email'];

}

if(isset( $_POST['product_name']))



{

$product_name=$_POST['product_name'];

}

if(isset($_POST['product_image']))



{

$product_image=$_POST['product_image'];

}

if(isset($_POST['Product_desc']))



{

$Product_desc=$_POST['Product_desc'];

}

if(isset($_POST['product_price']))



{

$product_price=$_POST['product_price'];

}

if(isset($_POST['submit']))



{
```

```

$sql="INSERT INTO product(`Seller_name`,`Seller_email`,`product_name`, `product_image`,
`Product_desc`, `product_price`)

VALUES ('$Seller_name','$Seller_email','$product_name','$product_image',
'$Product_desc','$product_price')";

if($con->query($sql))

{

echo "Inserted";

}

else

{

echo"no";

}

}

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

<meta name="viewport" content="width=device-width, initial-scale=1.0" />

<link rel="stylesheet" href="https://fonts.googleapis.com/css2?family=Montserrat&display=swap">

<style>

* {

margin: 0px;

padding: 0px;

box-sizing: border-box;

}

.body-text {

display: flex;

font-family: "Montserrat", sans-serif;

align-items: center;

justify-content: center;

```

```
margin-top: 250px;  
}  
  
nav {  
display: flex;  
justify-content: space-around;  
align-items: center;  
min-height: 8vh;  
background-color: rgb(2, 1, 1);  
font-family: "Montserrat", sans-serif;  
}  
  
.heading {  
color: white;  
letter-spacing: 5px;  
font-size: 20px;  
}  
  
.nav-links {  
display: flex;  
text-align: right;  
justify-content: space-around;  
width: 30%;  
}  
  
.nav-links li {  
list-style: none;  
}  
  
.nav-links a {  
color: rgb(223, 248, 131);  
text-decoration: none;  
letter-spacing: 3px;  
font-weight: bold;  
font-size: 14px;  
padding: 14px 16px;
```

```
}

.nav-links a:hover:not(.active) {
background-color: rgb(235, 122, 17);
}

.nav-links li a.active {
background-color: #4caf50;
}

label{
    font-size: 20px;
}

input[type=text], select {
width: 100%;

padding: 12px 20px;

margin: 8px 0;

display: inline-block;

border: 1px solid #ccc;

border-radius: 4px;

box-sizing: border-box;
}

input[type=submit1] {
width: 20%;

background-color:#8d6ce7;

color: rgb(8, 7, 7);

padding: 20px 20px ;

margin: 0px auto;

border:0px solid black;

border-radius: 4px;
}

button{
width: 20%;

background-color:#8d6ce7;
```

```

color: rgb(8, 7, 7);

padding: 15px 20px ;

margin: 0px auto;

border:0px solid black;

border-radius: 4px;

}

button:hover {

background-color: #8d6ce7;

}

.fr{

border-radius: 5px;

background-color: #f39090;

padding: 20px;

}

</style>

<title>Home</title>

</head>

<body>

<nav>

<div class="heading">

<h4>GreenScape</h4>

</div>

<ul class="nav-links">

<li><a href="sel_product.php ">View product</a></li>

<li><a href="log_out.php ">Log-out</a></li>

</ul>

</nav>

<br>

<h1 style="text-align:center">Add Your Products</h1>

<div class="a" style="background-color: rgb(253, 251, 247) ;" >

```

```
<form action="seller page.php" method="post" style=" width:70%;padding-left:400px; padding-top:10px;">

    <label> Seller_Name</label><br>

        <input type="text" id="Seller_name" name="Seller_name" placeholder="your name.." required><br>

    <label> Seller_Email</label><br>

        <input type="text" class="login-input" name="Seller_email" placeholder="Email Adress" required><br>

    <label for= "Product_name">Product_name</label>

    <input type="text" id="product_name" name="product_name" placeholder="Product name..">

    <label > Image</label><br><br>

    <input type="file" id="product_image" name="product_image" accept="image/jpeg,image/png"><br>

    <label>Description</label><br>

    <textarea rows="10" cols="70" name="Product_desc" id="Product_desc"></textarea><br>

    <label> Price</label><br>

    <input type="text" id="product_price" name="product_price" placeholder="Product price."><br>

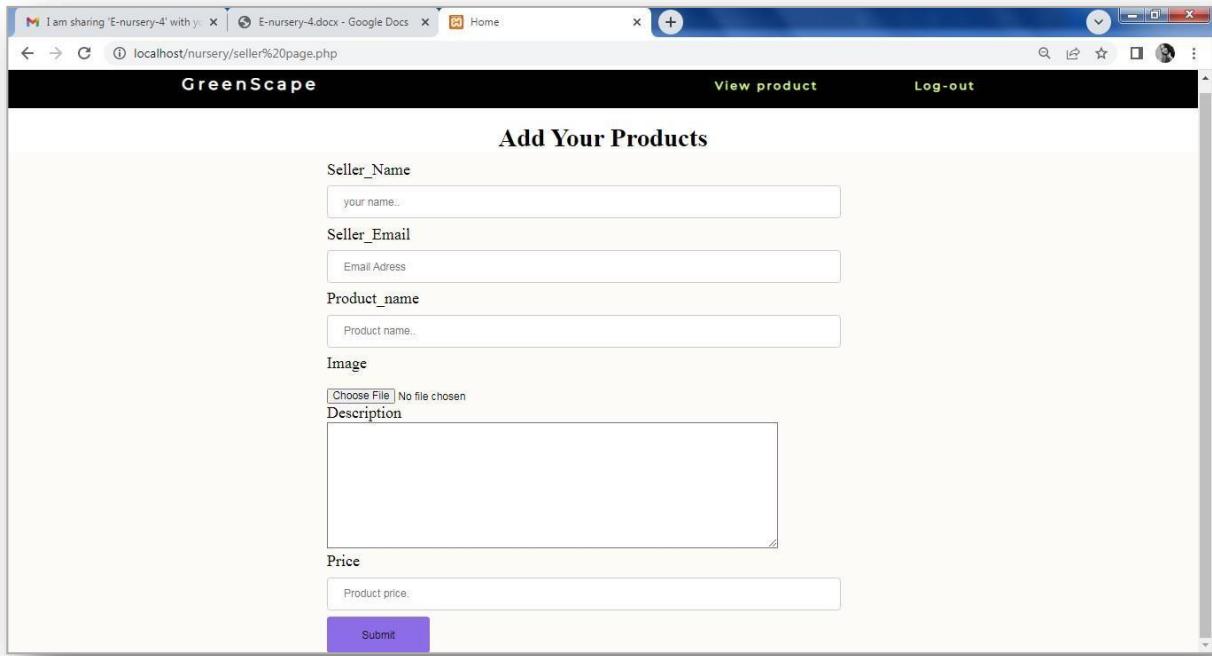
    <button type="text" id="submit" name="submit">Submit</button>

</form>

</div>

</body>

</html>
```



### <sel\_product.php>

```
<? php
include('config .php');
if(isset(['submit']))
{
    header("Location: your_product.php");
}
?>
<!DOCTYPE html>
<style>
@import url(https://fonts.googleapis.com/css?family=Roboto:300);
header .header{
background-color:pink;
height: 45px;
}
header a img{
width: 134px;
margin-top: 4px;
```

```
}

.login-page {
    width: 360px;
    padding: 8% 0 0;
    margin: auto;
}

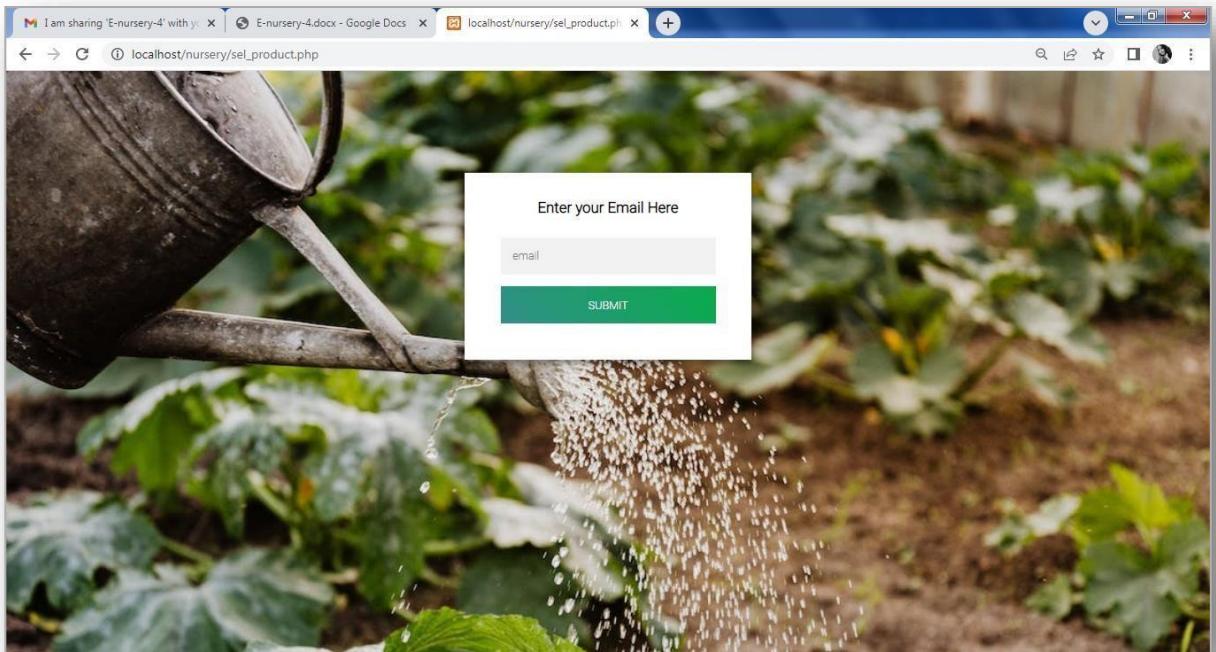
.login-page .form .login{
    margin-top: -31px;
    margin-bottom: 26px;
}

.form {
    position: relative;
    z-index: 1;
    background: #FFFFFF;
    max-width: 360px;
    margin: 0 auto 100px;
    padding: 45px;
    text-align: center;
    box-shadow: 0 0 20px 0 rgba(0, 0, 0, 0.2), 0 5px 5px 0 rgba(0, 0, 0, 0.24);
}

.form input {
    font-family: "Roboto", sans-serif;
    outline: 0;
    background: #f2f2f2;
    width: 100%;
    border: 0;
    margin: 0 0 15px;
    padding: 15px;
    box-sizing: border-box;
    font-size: 14px;
}
```

```
.form button {  
    font-family: "Roboto", sans-serif;  
    text-transform: uppercase;  
    outline: 0;  
    background-color: #328f8a;  
    background-image: linear-gradient(45deg,#328f8a,#08ac4b);  
    width: 100%;  
    border: 0;  
    padding: 15px;  
    color: #FFFFFF;  
    font-size: 14px;  
    -webkit-transition: all 0.3 ease;  
    transition: all 0.3 ease;  
    cursor: pointer;  
}  
  
.form .message {  
    margin: 15px 0 0;  
    color: #b3b3b3;  
    font-size: 12px;  
}  
  
.form .message a {  
    color: #4CAF50;  
    text-decoration: none;  
}  
  
.container {  
    position: relative;  
    z-index: 1;  
    max-width: 300px;  
    margin: 0 auto;  
}  
  
body {
```

```
background-color: #328f8a;  
background-image:url(bg2.jpg);  
background-size: cover;  
font-family: "Roboto", sans-serif;  
-webkit-font-smoothing: antialiased;  
-moz-osx-font-smoothing: grayscale;  
}  
</style>  
  
<div class="login-page">  
  <div class="form">  
    <div class="login">  
      <div class="login-header">  
        <h3>Enter your Email Here</h3>  
      </div>  
    </div>  
    <form class="login-form" method="post" action="your_product.php ">  
      <input type="text" name="email" id="email" placeholder="email"/>  
      <button name="submit" >Submit</button>  
    </form>  
  </div>  
</body>  
</html>
```



### <your\_product.php>

```
<html>
<head>
<body>
<h1><center> Your Products</center></h1>
<br><br>
<link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">
<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css">
<style>
#customers {
font-family: Arial, Helvetica, sans-serif;
border-collapse: collapse;
width: 70%;
margin-left: 5%;

}
#customers td, #customers th {
border: 1px solid rgb(20, 19, 19);
```

```

padding: 18px;
text-align: center;
}

#customers tr:nth-child(even){background-color: #f2f2f2; }

#customers tr:hover {background-color: #f2f2f2; }

#customers th {
padding-top: 12px;
padding-bottom: 12px;
text-align: left;
background-color: #2f53f1;
color: white;
}

td .editbtn2
{
background-color: lightgreen;
margin-left:30px;
border-radius: 30px;
width:100px;
height:30px;
}

</style>

<?php

$servername="localhost";
$username="root";
$password="";
$db="e-nursery";
$con=mysqli_connect($servername,$username,$password,$db);

/*
if($con)
{
echo "connected ";

```

```

}

*/
if(isset($_POST['email']))
{
$Email = $_POST['email'];

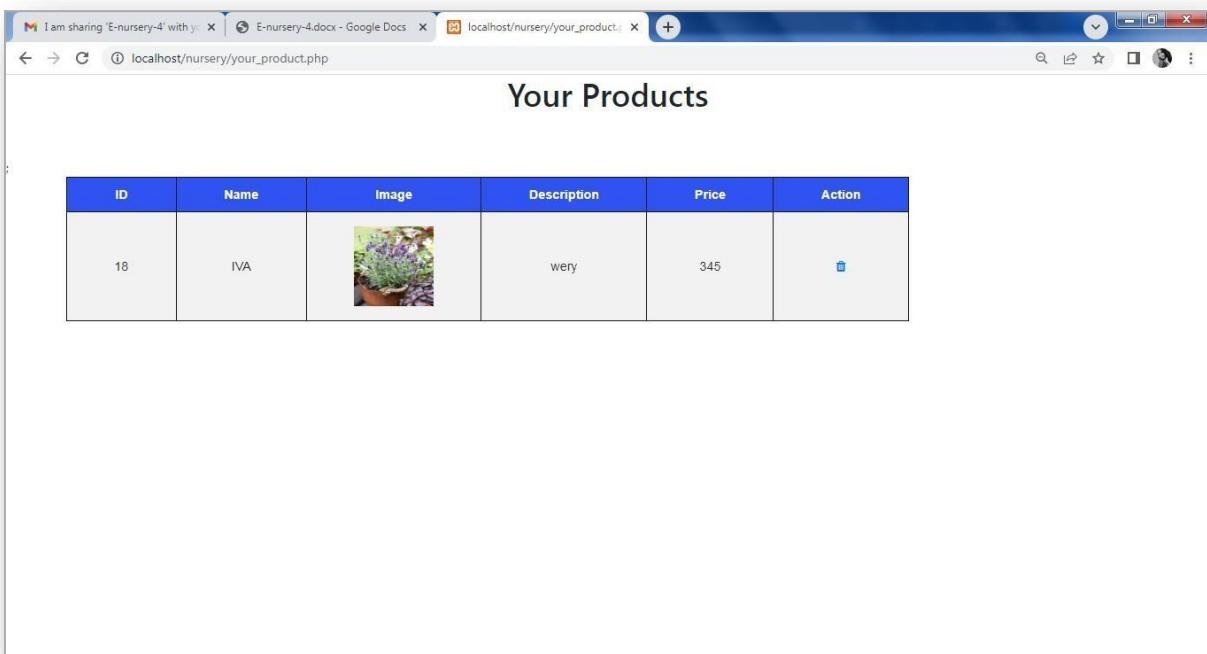
$sql=mysqli_query($con , "Select id, product_name, product_image,Product_desc,product_price
from product where Seller_email=' $Email ' ");

while($row = mysqli_fetch_array($sql))
{
?>
<table id="customers">

<tr>
<th style="width:2%; text-align:center">ID</th>
<th style="width:2%; text-align:center">Name</th>
<th style="width:2%; text-align:center">Image</th>
<th style="width:2% ; text-align:center">Description</th>
<th style="width:2% ; text-align:center">Price</th>
<th style="width:2% ; text-align:center">Action</th>
</tr>
<tr>
<td><?php echo $row["id"]; ?> </td>
<td><?php echo $row["product_name"]; ?> </td>
<td><img width="100px" height="100px" src=<?php echo $row["product_image"];?> alt=""></td>
<td><?php echo $row["Product_desc"]; ?> </td>
<td><?php echo $row["product_price"]; ?> </td>
<td><?php echo '<a href="delete-product.php?id=' . $row['id'] . '" title="Delete Record" data-
toggle="tooltip">
<span class="fa fa-trash"></span></a>';?></td>;
<?php
}
}

```

```
?>  
</head>  
</body>  
</html>
```



#### <log\_out.php>

```
<!DOCTYPE html>  
<html>  
<body>  
<?php  
    echo "Logged out successfully";  
    session_start();  
    session_destroy();  
?>  
</body>  
</html>
```

## Admin Module

### <adminlog.php>

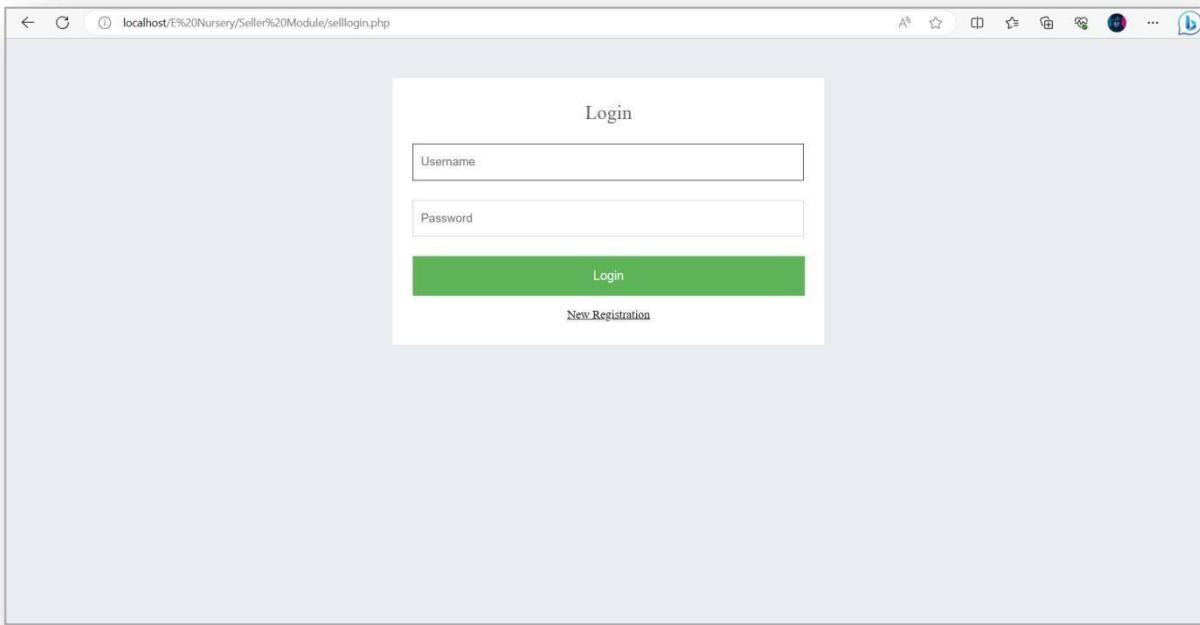
```
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8"/>
<title>Login</title>
<link rel="stylesheet" href="style.css">
</head>
<body>
<?php
    $username="root";
    $host="localhost";
    $password="";
    $database="e-nursery";
    $con= mysqli_connect($host,$username,$password,$database);
    /*if($con)
    {
        echo"Successfull";
    }*/
    session_start();
    // When form submitted, check and create user session.
    if (isset($_POST['username'])) {
        $username = stripslashes($_REQUEST['username']); // removes backslashes
        $username = mysqli_real_escape_string($con, $username);
        $password = stripslashes($_REQUEST['password']);
        $password = mysqli_real_escape_string($con, $password);
        // Check user is exist in the database
        $query = "SELECT * FROM `customer` WHERE username='$username'
                AND password='$password'";
        $result = mysqli_query($con, $query) or die(mysql_error());
    }
}
```

```

$rows = mysqli_num_rows($result);

if ($rows == 1) {
    $_SESSION['username'] = $username;
    // Redirect to user dashboard page
    header("Location: amni.html");
} else {
    echo "<div class='form'>
<h3>Incorrect Username/password.</h3><br/>
<p class='link'>Click here to <a href='login.php'>Login</a> again.</p>
</div>";
}
} else {
?>
<form class="form" method="post" name="login">
<h1 class="login-title">Login</h1>
<input type="text" class="login-input" name="username" placeholder="Username" autofocus="true"/>
<input type="password" class="login-input" name="password" placeholder="Password"/>
<input type="submit" value="Login" name="submit" class="login-button"/>
<p class="link"><a href="adminreg.php">New Registration</a></p>
</form>
<?php
}
?>
</body>
</html>

```



### <adminreg.php>

```
<!DOCTYPE html>

<html>
<head>
<meta charset="utf-8"/>
<title>Registration</title>
<link rel="stylesheet" href="style.css"/>
</head>
<body>
<?php
    $username="root";
    $host="localhost";
    $password="";
    $database="e-nursery";
    $con= mysqli_connect($host,$username,$password,$database);
    /*if($con)
    {
```

```

echo "Successfull";
} */

// When form submitted, insert values into the database.

if (isset($_REQUEST['username'])) {

    // removes backslashes

    $username = stripslashes($_REQUEST['username']);

    //escapes special characters in a string

    $username = mysqli_real_escape_string($con, $username);

    $email = stripslashes($_REQUEST['email']);

    $email = mysqli_real_escape_string($con, $email);

    $mobile_no = stripslashes($_REQUEST['mobile_no']);

    $mobile_no = mysqli_real_escape_string($con, $mobile_no);

    $password = mysqli_real_escape_string($con, $password);

    $query = "INSERT into `admin` (username, email, mobile_no, password)

VALUES ('$username', '$email', '$mobile_no', '$password')";

    $result = mysqli_query($con, $query);

    if ($result) {

        echo "<div class='form'>

<h3>You are registered successfully.</h3><br/>

<p class='link'>Click here to <a href='login.php'>Login</a></p>

</div>";

    } else {

        echo "<div class='form'>

<h3>Required fields are missing.</h3><br/>

<p class='link'>Click here to <a href='registration.php'>registration</a> again.</p>

</div>";

    }

} else {

?>

<form class="form" action="" method="post">

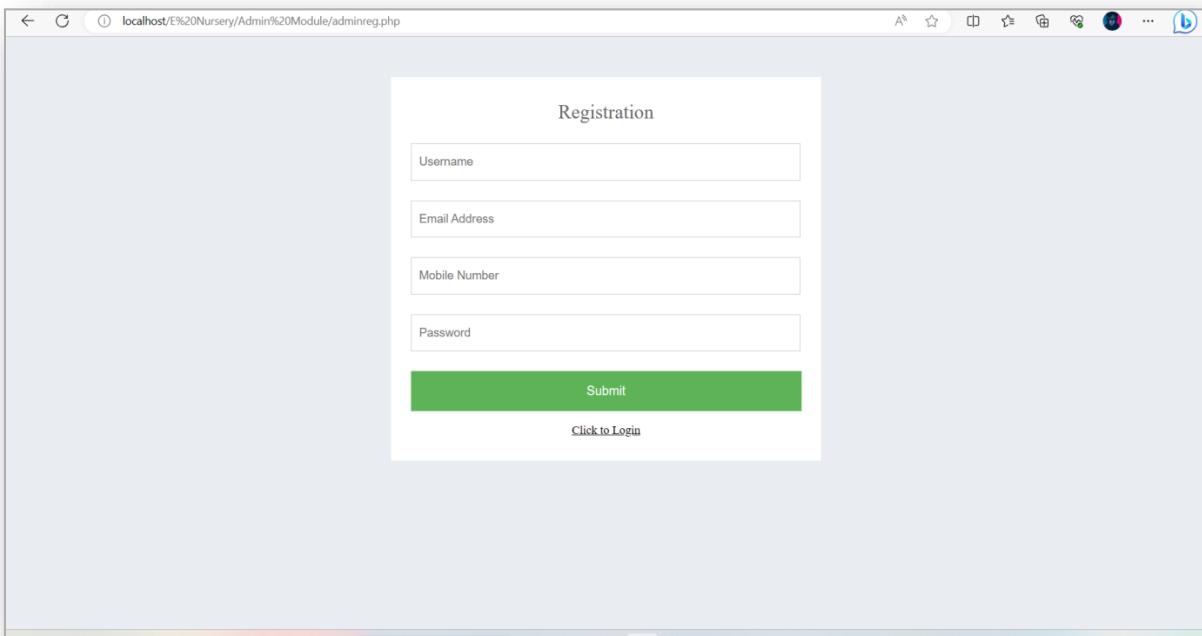
<h1 class="login-title">Registration</h1>

```

```

<input type="text" class="login-input" name="username" placeholder="Username" required />
<input type="text" class="login-input" name="email" placeholder="Email Address" required>
<input type="varchar" class="login-input" name="mobile_no" placeholder="Mobile Number" required>
<input type="password" class="login-input" name="password" placeholder="Password" required>
<input type="submit" value="Submit" name="submit" class="login-button"/><br>
<p class="link"><a href="adminlog.php">Click to Login</a></p>
</form>
<?php
    }
?>
</body>
</html>

```



#### <style.css>

```

@import
url('https://fonts.googleapis.com/css2?family=Poppins:wght@200;300;400&display=swap');

body {
    background: #e9edf1;
}

```

```
.form {  
    margin: 50px auto;  
    width: 500px;  
    padding: 30px 25px;  
    background: white;  
}  
  
h1.login-title {  
    color: #666;  
    margin: 0px auto 25px;  
    font-size: 25px;  
    font-weight: 300;  
    text-align: center;  
}  
  
.login-input {  
    font-size: 15px;  
    border: 1px solid #ccc;  
    padding: 10px;  
    margin-bottom: 25px;  
    height: 25px;  
    width: calc(100% - 23px);  
}  
  
.login-input:focus {  
    border-color:#161b20;  
    outline: none;  
}  
  
.login-button {  
    color: #fff;  
    background: #5eb356;  
    border: 0;  
    outline: 0;  
    width: 100%;
```

```

height: 50px;
font-size: 16px;
text-align: center;
cursor: pointer;
}

.link {
color: rgb(255, 254, 254);
font-size: 15px;
text-align: center;
margin-bottom: 0px;
}

.link a {
color: rgb(8, 8, 8);
}

h3 {
font-weight: normal;
text-align: center;
}

```

### <admin.php>

```

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Admin Page</title>

<link rel="stylesheet" href="admin.css">

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.4.0/css/all.min.css">

<link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Poppins">

```

```

</head>

<body>

<!-----navbar----->

<nav class="navbar">
    <h1 style="color:white">Dashboard</h1>
</nav>

<!-----sidebar ----->

<input type="checkbox" id="toggle">
<label class="side-toggle" for="toggle"><span class="fas fa-bars" style="color:white"></span></label>

<div class="sidebar">
    <a href="nursery_cust.php">
        <div class="sidebar-menu">
            <span class="fas fa-users"></span>
            <p>Customer</p>
        </div>
    </a>
    <a href="nursery_seller.php">
        <div class="sidebar-menu">
            <span class="fas fa-users"></span>
            <p>Seller</p>
        </div>
    </a>
    <a href="nursery_product.php">
        <div class="sidebar-menu">
            <span class="fas fa-shopping-bag"></span>
            <p>Products</p>
        </div>
    </a>
    <a href="log_out.php">

```

```
<div class="sidebar-menu">
    <span class="fas fa-sign-out-alt"></span>
    <p>Log-out</p>
</div>
</a>
</div>

<!-----main dashboard----- >
<main>
    <div class="dashboard-container">

<!..... 4 cards top ..>
    <div class="card total1" >
        <div class="info">
            <div class="info-detail">
                <h3>Seller</h3>
                <p>Lorem Dolar</p>
                <h2>50 <span>Persons</span> </h2>
            </div>
            <div class="info-image">
                <i class="fas fa-user-friends"></i>
            </div>
        </div>
    </div>
    <div class="card total2" >
        <div class="info">
            <div class="info-detail">
                <h3>Total Orders</h3>
                <p>Lorem Dolar</p>
                <h2>1200 <span>Orders</span> </h2>
            </div>
        </div>
    </div>

```

```
<div class="info-image">
  <i class="fas fa-boxes"></i>
</div>
</div>

<div class="card total3" >
  <div class="info">
    <div class="info-detail">
      <h3>Customers</h3>
      <p>Lorem Dolar</p>
      <h2>100 <span>Persons</span> </h2>
    </div>
    <div class="info-image">
      <i class="fas fa-user-friends"></i>
    </div>
  </div>
</div>

<div class="card total4" >
  <div class="info">
    <div class="info-detail">
      <h3>Daily Order</h3>
      <p>Lorem Dolar</p>
      <h2>12 <span>Orders</span> </h2>
    </div>
    <div class="info-image">
      <i class="fas fa-shipping-fast"></i>
    </div>
  </div>
</div>

<!-----2 cards bottom----->
```

```

<div class="card detail">
    <div class="detail-header">
        <h2>All Orders</h2>
    </div>
    <table>
        <tr>
            <th>ID</th>
            <th>Name</th>
            <th>Email</th>
            <th>Phone</th>
            <th>Address</th>
            <th>Payment Mode</th>
            <th>Product</th>
            <th>Amount Paid</th>
        </tr>
        <?php
            include('config.php');

            $sql_query = "select * from orders";
            $result = mysqli_query($con, $sql_query);
            if(mysqli_num_rows($result)>0)
            {
                while($row = mysqli_fetch_assoc($result))
                {
                    echo "<tr>
                        <th>".$row['id']."</th>
                        <th>".$row['name']."</th>
                        <th>".$row['email']."</th>
                        <th>".$row['phone']."</th>
                        <th>".$row['address']."</th>
                        <th>".$row['pmode']."</th>
                        <th>".$row['products']."</th>
                    </tr>";
                }
            }
        </?php
    </table>

```

```

        <th>".$row['amount_paid']."</th>
    </tr>";
}

}

?>

</table>
</div>
</div>
</main>
</body>
</html>

<admin.css>

*{
    margin: 0;
    padding: 0;
    box-sizing: border-box;
    outline: none;
    font-family: "Poppins",sans-serif;
}

body{
    background-color: white;
}

h2{
    font-size: 18px;
    padding: 15px 0;
}

h2 > span{
    font-size: 14px;
}

```

```
/* .....navbar..... */
.navbar{
    display: flex;
    position: fixed;
    justify-content: space-between;
    align-items: center;
    width: 100%;
    height: 55px;
    top: 0;
    left: 0;
    background-color: rgb(77, 48, 204);
    z-index: 2;
    padding-left: 6rem;
}

.profile{
    display: flex;
    width: 32%;
    max-width: 200px;
    justify-content: space-around;
    align-items: center;
}

.profile-image{
    width: 30px;
    height: 30px;
    object-fit: cover;
    border-radius: 50%;
}

.profile-name{
    font-size: 0.9rem;
    margin-left: -20px;
}
```

```
.side-toggle{  
    position: fixed;  
    z-index: 2;  
    top: 20;  
    left: 25;  
    float: right;  
    font-size: 20px;  
    cursor: pointer;  
    margin-top: 15px;  
    transition: background 0.5s, transform 0.5s;  
}  
  
.side-toggle:hover{  
    background-color: rgb(242, 242, 250);  
    transform: translateY(-5);  
}  
  
#toggle{  
    display: none;  
}  
  
.sidebar{  
    position: fixed;  
    height: 100%;  
    width: 200px;  
    left: 0;  
    top: 0;  
    padding: 80px 0 20px 0;  
    color: #fff;  
    background-color: black;  
    box-shadow: 2px 0 5px rgba(0, 0, 0, 0.5);  
}  
  
a{  
    text-decoration: none;
```

```
color: white;  
}  
  
.sidebar-menu{  
    display: flex;  
    align-items: center;  
    padding: 15px 25px;  
    width: 100%;  
    transition: all 0.2s ease-in-out;  
    cursor: pointer;  
}  
  
.sidebar-menu > span{  
    font-size: 25px;  
    padding-right: 30px;  
}  
  
.sidebar-menu:hover{  
    color: #2d2b98;  
    background-color: white;  
}  
  
#toggle:checked ~ .sidebar{  
    width: 70px;  
}  
  
#toogle:checked ~ .sidebar .sidebar-menu > p{  
    display: none;  
}  
  
#toogle:checked ~ main{  
    padding: 6rem 2rem 2rem 6rem;  
}  
  
/*-----*/  
  
main{  
    min-height: 100%;  
    padding: 6rem 1rem 2rem 14rem;
```

```
color: black;  
}  
  
.dashboard-container{  
    display: grid;  
    grid-template-columns: 1fr 1fr 1fr 0.5fr 0.5fr;  
    grid-template-rows: auto;  
    gap: 1rem;  
    grid-template-areas: "total1 total2 total3 total4 total4"  
                        "detail detail detail customer customer"  
                        "detail detail detail customer customer";  
}  
  
.card{  
    background-color: white;  
    padding: 1rem;  
    border-radius: 10px;  
}  
  
.total1{  
    grid-area: total1;  
    background-color: rgb(224, 58, 58);  
    color: white;  
    transition: background 0.5s, transform 0.5s;  
    cursor: pointer;  
}  
  
.total1:hover{  
    background-color: rgb(35, 104, 46);  
    transform: translateY(-5px);  
}  
  
.total2{  
    grid-area: total2;  
    background-color: yellowgreen;  
    color: white;
```

```
        transition: background 0.5s, transform 0.5s;
        cursor: pointer;
    }

.total2:hover{
    background-color: darkorange;
    transform: translateY(-5px);
}

.total3{
    grid-area: total3;
    background-color: black;
    color: white;
    transition: background 0.5s, transform 0.5s;
    cursor: pointer;
}

.total3:hover{
    background-color: crimson;
    transform: translateY(-5px);
}

.total4{
    grid-area: total4;
    background-color: yellowgreen;
    color: white;
    transition: background 0.5s, transform 0.5s;
    cursor: pointer;
}

.total4:hover{
    background-color: darkorange;
    transform: translateY(-5px);
}

.detail{
    grid-area: detail;
```

```
    overflow-x: auto;
}

.customer{
    grid-area: customer;
    overflow-x: auto;
}

.info{
    display: grid;
    grid-auto-flow: column;
    justify-content: space-between;
    align-items: center;
}

.info-detail h2{
    font-size: 24px;
}

.info-detail p{
    font-size: 14px;
}

.info-image{
    font-size: 50px;
    color: blue;
}

.detail-header{
    display: grid;
    grid-auto-flow: column;
    justify-content: space-between;
    align-items: center;
}

.detail table{
    width: 100%;
    border-collapse: collapse;
}
```

```
}

.detail table tr:nth-child(even){

    background-color: white;

}

.detail table tr:nth-child(odd){

    background-color: white;

}

.detail table th,

.detail table td{

    padding: 0.8rem 0.2rem;

    text-align: left;

    min-width: 120px;

    font-size: 18px;

}

.detail table th{

    background-color: rgb(27, 107, 44);

    color: white;

}

.detail table tr:hover{

    background-color: red;

    border-bottom: 5px solid rgb(215, 215, 224);

}

.detail table tr td:nth-child(2),

.detail table tr td:nth-child(3){

    min-width: 150px;

}

::-webkit-scrollbar {

    width: 6px;

}

::-webkit-scrollbar-track {

    -webkit-box-shadow: inset 0 0 6px red;

}
```

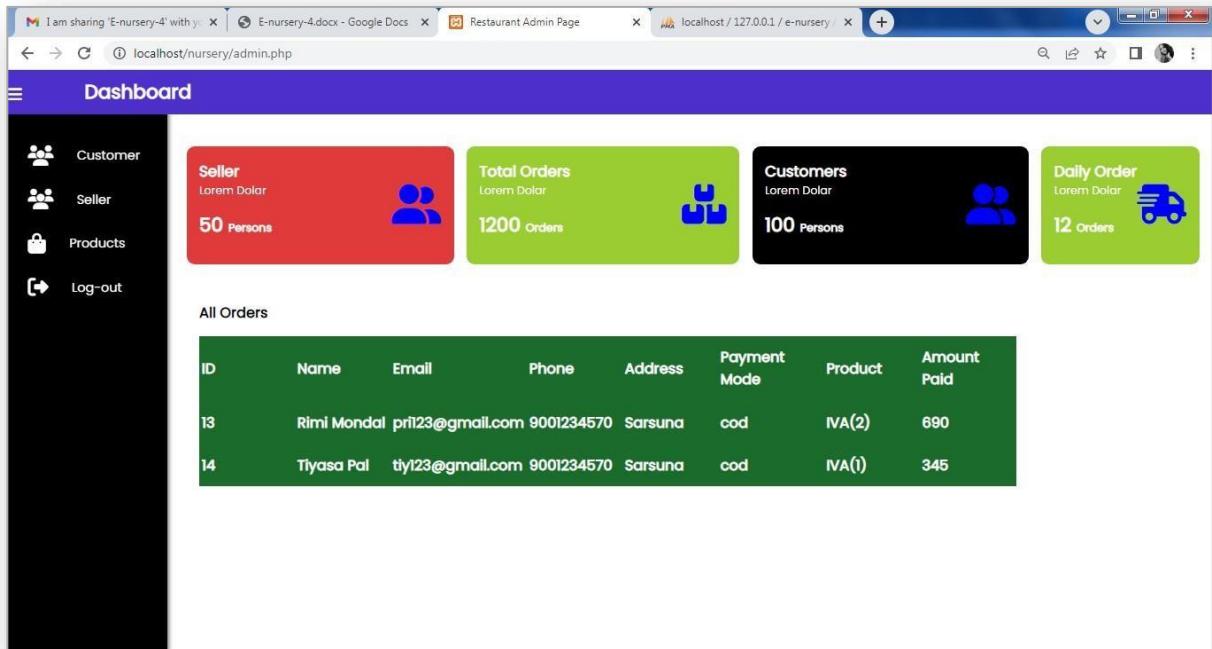
```
background-color: white;  
}  
::-webkit-scrollbar-thumb {  
    -webkit-box-shadow: inset 0 0 6px white;  
    background-color: red;  
}  
  
@media screen and (max-width:980px){  
    .dashboard-container  
    {  
        grid-template-columns: 1fr 1fr;  
        grid-template-areas: "total1 total2"  
                            "total3 total4"  
                            "detail detail"  
                            "customer customer"  
        ;  
    }  
}  
  
@media screen and (max-width:480px){  
    .profile-name{  
        display: none;  
    }  
    .sidebar{  
        display: none;  
    }  
    main{  
        padding: 6rem 2rem 2rem 2rem;  
    }  
    #toggle:checked ~ .sidebar{  
        width: 200px;  
        display: block;  
    }  
}
```

```
#toogle:checked ~ .sidebar .sidebar-menu > p
{
    display: none;
}

#toogle:checked ~ main
{
    padding: 6rem 2rem 2rem 2rem;
}

.dashboard-container
{
    grid-template-columns: 1fr;
    grid-template-areas:
        "total1"
        "total2"
        "total3"
        "total4"
        "detail"
        "customer";
}

.detail table
{
    font-size: 0.9rem;
}
```



### <nursery\_cust.php>

```

<!DOCTYPE html>

<html lang="en">
<head>

<meta charset="UTF-8">
<title>Dashboard</title>
<link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">
<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css">
<script src="https://code.jquery.com/jquery-3.5.1.min.js"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>
<style>

.wrapper{
    width: 600px;
    margin: 0 auto;
}

table tr td:last-child{
    }

```

```

        width: 120px;
    }

</style>

<script>

$(document).ready(function(){

 $('[data-toggle="tooltip"]').tooltip();

});

</script>

</head>

<body>

<div class="wrapper">

<div class="container-fluid">

<div class="row">

<div class="col-md-12">

<div class="mt-5 mb-3 clearfix">

<h2 class="pull-left">Customer Details</h2>

</div>

<?php

// Include config file

require_once "config.php";

// Attempt select query execution

$sql = "SELECT id,username,email,password,Address,Gender FROM customer";

if($result = mysqli_query($con, $sql)) {

if(mysqli_num_rows($result) > 0){

echo '<table class="table table-bordered table-striped">';

echo "<thead>";

echo "<tr>";

echo "<th>ID</th>";

echo "<th>Name</th>";

echo "<th>Email</th>";

echo "<th>Password</th>";



```

```

        echo "<th>Address</th>";
        echo "<th>Gender</th>";
        echo "<th>Action</th>";
        echo "</tr>";
    echo "</thead>";
    echo "<tbody>";
    while($row = mysqli_fetch_array($result)){
        echo "<tr>";
        echo "<td>" . $row['id'] . "</td>";
        echo "<td>" . $row['username'] . "</td>";
        echo "<td>" . $row['email'] . "</td>";
        echo "<td>" . $row['password'] . "</td>";
        echo "<td>" . $row['Address'] . "</td>";
        echo "<td>" . $row['Gender'] . "</td>";
        echo "<td>";
        echo '<a href="delete-cust.php?id=' . $row['id'] . '" title="Delete Record" data-toggle="tooltip"><span class="fa fa-trash"></span></a>';
        echo "</td>";
        echo "</tr>";
    }
    echo "</tbody>";
    echo "</table>";
    // Free result set
    mysqli_free_result($result);
} else{
    echo '<div class="alert alert-danger"><em>No records were found.</em></div>';
}
} else{
    echo "Oops! Something went wrong. Please try again later.";
}
// Close connection

```

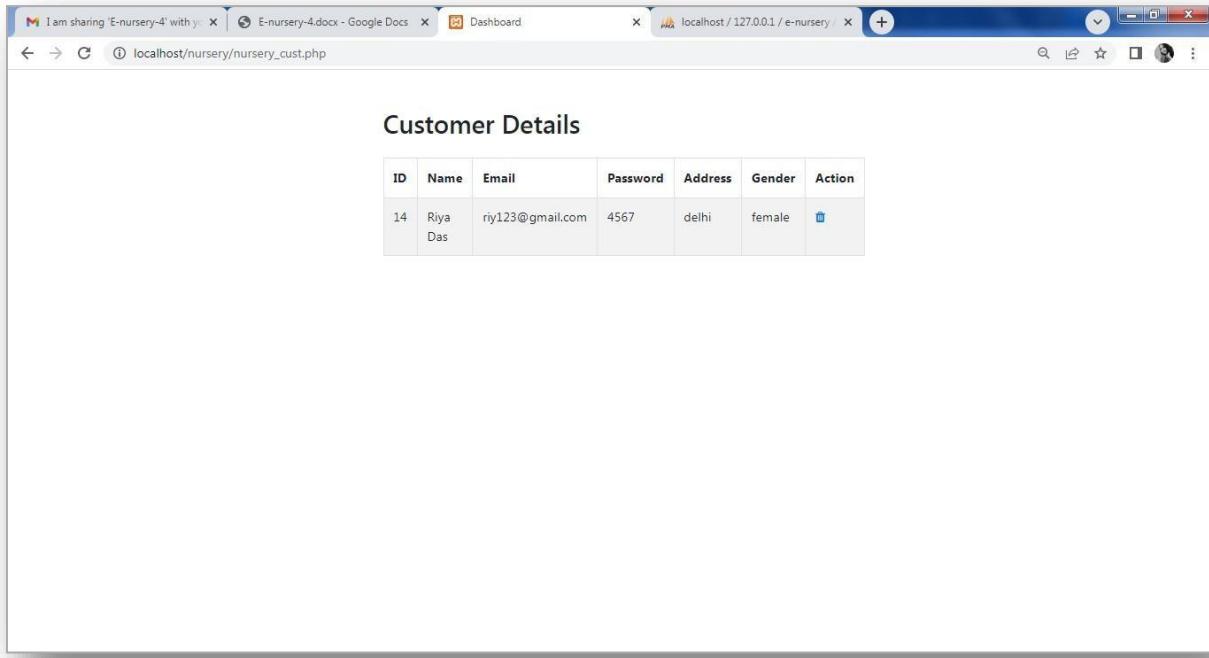
```

        mysqli_close($con);

    ?>

    </div>
</div>
</div>
</div>
</body>
</html>

```



### **nursery\_product.php**

```

<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<title>Dashboard</title>
<link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">
<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css">
<script src="https://code.jquery.com/jquery-3.5.1.min.js"></script>

```

```

<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>

<style>
    .wrapper{
        width: 600px;
        margin: 0 auto;
    }
    table tr td:last-child{
        width: 120px;
    }
</style>

<script>
    $(document).ready(function(){
        $('[data-toggle="tooltip"]').tooltip();
    });
</script>
</head>
<body>
    <div class="wrapper">
        <div class="container-fluid">
            <div class="row">
                <div class="col-md-12">
                    <div class="mt-5 mb-3 clearfix">
                        <h2 class="pull-left">Product Details</h2>
                    </div>
                    <?php
                        // Include config file
                        require_once "config.php";
                        // Attempt select query execution
                        $sql = "SELECT id,Seller_name, product_name,
product_image,Product_desc,product_price,product_qty FROM product";
                    </?php
                </div>
            </div>
        </div>
    </div>

```

```

if($result = mysqli_query($con, $sql)){
    if(mysqli_num_rows($result) > 0){
        echo '<table class="table table-bordered table-striped">';
        echo "<thead>";
        echo "<tr>";
        echo "<th>ID</th>";
        echo "<th>Seller Name</th>";
        echo "<th>Product Name</th>";
        echo "<th>Image</th>";
        echo "<th>Description</th>";
        echo "<th>Price</th>";
        echo "<th>Quantity</th>";
        echo "<th>Action</th>";
        echo "</tr>";
        echo "</thead>";
        echo "<tbody>";
        while($row = mysqli_fetch_array($result)){
            echo "<tr>";
            echo "<td>" . $row['id'] . "</td>";
            echo "<td>" . $row['Seller_name'] . "</td>";
            echo "<td>" . $row['product_name'] . "</td>";
            echo "<td>" . $row['product_image'] . "</td>";
            echo "<td>" . $row['Product_desc'] . "</td>";
            echo "<td>" . $row['product_price'] . "</td>";
            echo "<td>" . $row['product_qty'] . "</td>";
            echo "<td>";
            echo '<a href="delete-product.php?id=' . $row['id'] . '" title="Delete Record" data-toggle="tooltip"><span class="fa fa-trash"></span></a>';
            echo "</td>";
            echo "</tr>";
        }
    }
}

```

```

        echo "</tbody>";

        echo "</table>";
        // Free result set
        mysqli_free_result($result);

    } else{
        echo '<div class="alert alert-danger"><em>No records were found.</em></div>';
    }

} else{

    echo "Oops! Something went wrong. Please try again later.";
}

// Close connection
mysqli_close($con);

?>

</div>
</div>
</div>
</div>
</body>
</html>

```

ID	Seller Name	Product Name	Image	Description	Price	Quantity	Action
18	Tina Roy	IVA	lav.jpg	wery	345	1	
20	Tithi muja	joba	Lucky-Bamboo.jpg	rwewewewewetujmy	345	1	

**<nursery\_seller.php>**

```
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>Dashboard</title>

<link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css">

<script src="https://code.jquery.com/jquery-3.5.1.min.js"></script>

<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js"></script>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>

<style>

.wrapper{
    width: 600px;
    margin: 0 auto;
}

table tr td:last-child{
    width: 120px;
}

</style>

<script>

$(document).ready(function(){

    $('[data-toggle="tooltip"]').tooltip();

});

</script>

</head>

<body>

<div class="wrapper">

<div class="container-fluid">

<div class="row">
```

```

<div class="col-md-12">
<div class="mt-5 mb-3 clearfix">
<h2 class="pull-left">Seller Details</h2>

</div>
<?php

    // Include config file
    require_once "config.php";
    // Attempt select query execution
    $sql = "SELECT id,username,email,mobile_no,password,bank_name,IFSC_Code
FROM seller";
    if($result = mysqli_query($con, $sql)){
        if(mysqli_num_rows($result) > 0){
            echo '<table class="table table-bordered table-striped">';
            echo "<thead>";
            echo "<tr>";
            echo "<th>ID</th>";
            echo "<th>Name</th>";
            echo "<th>Email</th>";
            echo "<th>Mobile no</th>";
            echo "<th>Password</th>";
            echo "<th>Bank name</th>";
            echo "<th>IFSC Code</th>";
            echo "<th>Action</th>";
            echo "</tr>";
            echo "</thead>";
            echo "<tbody>";
            while($row = mysqli_fetch_array($result)){
                echo "<tr>";
                echo "<td>" . $row['id'] . "</td>";
                echo "<td>" . $row['username'] . "</td>";

```

```

        echo "<td>" . $row['email'] . "</td>";
        echo "<td>" . $row['mobile_no'] . "</td>";
        echo "<td>" . $row['password'] . "</td>";
        echo "<td>" . $row['bank_name'] . "</td>";
        echo "<td>" . $row['IFSC_Code'] . "</td>";
        echo "<td>";

        echo '<a href="delete-seller.php?id=' . $row['id'] . '" title="Delete Record" data-
        toggle="tooltip"><span class="fa fa-trash"></span></a>';
        echo "</td>";

        echo "</tr>";
    }

    echo "</tbody>";
    echo "</table>";
    // Free result set
    mysqli_free_result($result);
} else{
    echo '<div class="alert alert-danger"><em>No records were found.</em></div>';
}
} else{
    echo "Oops! Something went wrong. Please try again later.";
}
// Close connection
mysqli_close($con);
?>
</div>
</div>
</div>
</div>
</body>
</html>

```

The screenshot shows a web browser window with multiple tabs open. The active tab is titled 'localhost/nursery/nursery\_seller.php'. The page content is titled 'Seller Details' and displays a table with two rows of data. The columns are labeled: ID, Name, Email, Mobile no, Password, Bank name, IFSC Code, and Action. The first row contains data for 'Tiyasa Pal' (ID: 1) and the second row contains data for 'Tina Roy' (ID: 8). The 'Action' column for each row contains a small blue icon.

ID	Name	Email	Mobile no	Password	Bank name	IFSC Code	Action
1	Tiyasa Pal	tiyasa@gmail.com	2147483647	123	UUB	UUB123	
8	Tina Roy	tina@gmail.com	9001235600	123P	SSZ	12S	

### <delete-cust.php>

```

<?php

// Process delete operation after confirmation

if(isset($_POST["id"]) && !empty($_POST["id"])){
    // Include config file
    require_once "config.php";
    // Prepare a delete statement
    $sql = "DELETE FROM customer WHERE id = ?";

    if($stmt = mysqli_prepare($con, $sql)){
        // Bind variables to the prepared statement as parameters
        mysqli_stmt_bind_param($stmt, "i", $param_id);
        // Set parameters
        $param_id = trim($_POST["id"]);
        // Attempt to execute the prepared statement
        if(mysqli_stmt_execute($stmt)){
            // Records deleted successfully. Redirect to landing page
            header("location: nursery_cust.php");
            exit();
        }
    }
}

```

```

} else{
    echo "Oops! Something went wrong. Please try again later.";
}
}

// Close statement
mysqli_stmt_close($stmt);

// Close connection
mysqli_close($con);

} else{
    // Check existence of id parameter
    if(empty(trim($_GET["id"]))){
        // URL doesn't contain id parameter. Redirect to error page
        header("location: error.php");
        exit();
    }
}

?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Delete Record</title>
    <link rel="stylesheet"
    href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">
    <style>
        .wrapper{
            width: 600px;
            margin: 0 auto;
        }
    </style>

```

```

</head>

<body>

    <div class="wrapper">

        <div class="container-fluid">

            <div class="row">

                <div class="col-md-12">

                    <h2 class="mt-5 mb-3">Delete Record</h2>

                    <form action=<?php echo htmlspecialchars($_SERVER["PHP_SELF"]); ?>
method="post">

                        <div class="alert alert-danger">

                            <input type="hidden" name="id" value=<?php echo trim($_GET["id"]); ?>/>

                            <p>Are you sure you want to delete this employee record?</p>

                            <p>

                                <input type="submit" value="Yes" class="btn btn-danger">

                                <a href="nursery_cust.php" class="btn btn-secondary">No</a>

                            </p>

                        </div>

                    </form>

                </div>

            </div>

        </div>

    </div>

</body>

</html>

```

### <delete\_product.php>

```

<?php

// Process delete operation after confirmation

if(isset($_POST["id"]) && !empty($_POST["id"])){
    // Include config file
    require_once "config.php";
}

```

```

// Prepare a delete statement
$sql = "DELETE FROM product WHERE id = ?";

if($stmt = mysqli_prepare($con, $sql)){
    // Bind variables to the prepared statement as parameters
    mysqli_stmt_bind_param($stmt, "i", $param_id);
    // Set parameters
    $param_id = trim($_POST["id"]);
    // Attempt to execute the prepared statement
    if(mysqli_stmt_execute($stmt)){
        // Records deleted successfully. Redirect to landing page
        header("location: your_product.php");
        exit();
    } else{
        echo "Oops! Something went wrong. Please try again later.";
    }
}

// Close statement
mysqli_stmt_close($stmt);

// Close connection
mysqli_close($con);

} else{
    // Check existence of id parameter
    if(empty(trim($_GET["id"]))){
        // URL doesn't contain id parameter. Redirect to error page
        header("location: error.php");
        exit();
    }
}
?>

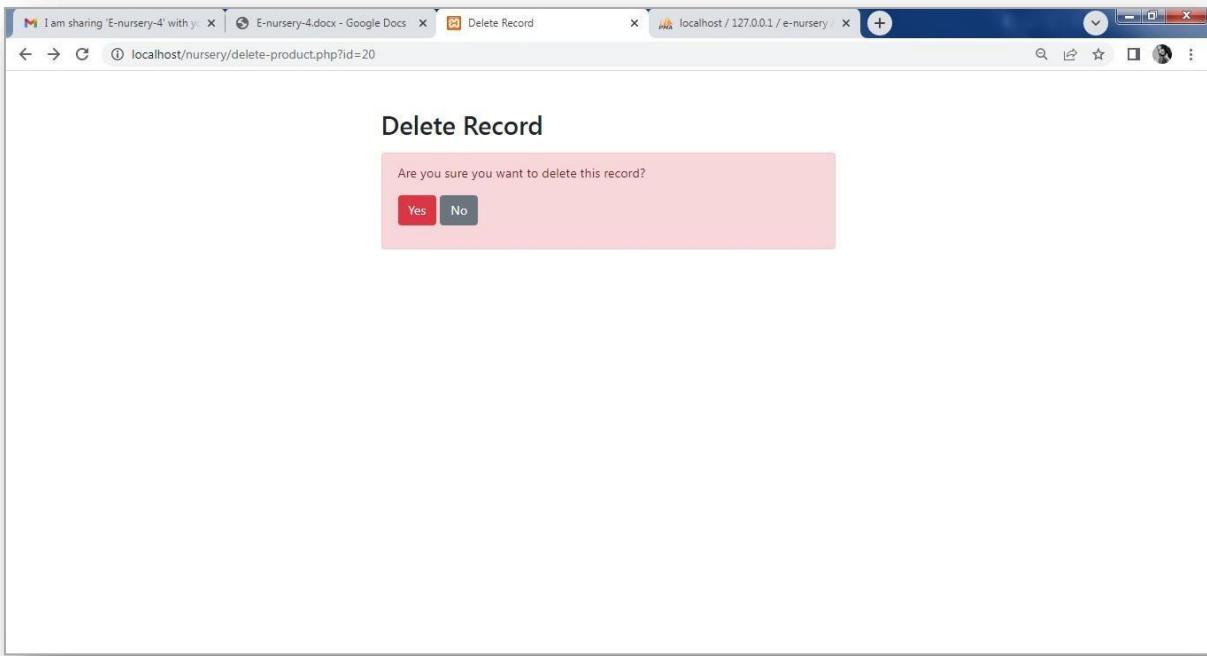
```

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Delete Record</title>
    <link rel="stylesheet"
    href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">
    <style>
        .wrapper{
            width: 600px;
            margin: 0 auto;
        }
    </style>
</head>
<body>
    <div class="wrapper">
        <div class="container-fluid">
            <div class="row">
                <div class="col-md-12">
                    <h2 class="mt-5 mb-3">Delete Record</h2>
                    <form action=<?php echo htmlspecialchars($_SERVER["PHP_SELF"]); ?>" method="post">
                        <div class="alert alert-danger">
                            <input type="hidden" name="id" value=<?php echo trim($_GET["id"]); ?>/>
                            <p>Are you sure you want to delete this record?</p>
                            <p>
                                <input type="submit" value="Yes" class="btn btn-danger">
                                <a href="your_product.php" class="btn btn-secondary">No</a>
                            </p>
                        </div>
                    </form>
                </div>
            </div>
        </div>
    </body>

```

```
</div>
</div>
</div>
</body>
</html>
```



### <delete-seller.php>

```
<?php
// Process delete operation after confirmation
if(isset($_POST["id"]) && !empty($_POST["id"])){
    // Include config file
    require_once "config.php";
    // Prepare a delete statement
    $sql = "DELETE FROM seller WHERE id = ?";
    if($stmt = mysqli_prepare($con, $sql)){
        // Bind variables to the prepared statement as parameters
        mysqli_stmt_bind_param($stmt, "i", $param_id);
        // Set parameters
    }
}
```

```

$param_id = trim($_POST["id"]);

// Attempt to execute the prepared statement

if(mysqli_stmt_execute($stmt)){
    // Records deleted successfully. Redirect to landing page
    header("location: nursery_seller.php");
    exit();
}

} else{
    echo "Oops! Something went wrong. Please try again later.";
}

}

// Close statement

mysqli_stmt_close($stmt);

// Close connection

mysqli_close($con);

} else{

    // Check existence of id parameter

    if(empty(trim($_GET["id"]))){

        // URL doesn't contain id parameter. Redirect to error page
        header("location: error.php");
        exit();
    }
}

?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Delete Record</title>
    <link rel="stylesheet"
    href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">

```

```

<style>
    .wrapper{
        width: 600px;
        margin: 0 auto;
    }
</style>

</head>

<body>
    <div class="wrapper">
        <div class="container-fluid">
            <div class="row">
                <div class="col-md-12">
                    <h2 class="mt-5 mb-3">Delete Record</h2>
                    <form action=<?php echo htmlspecialchars($_SERVER["PHP_SELF"]); ?>" method="post">
                        <div class="alert alert-danger">
                            <input type="hidden" name="id" value=<?php echo trim($_GET["id"]); ?>/>
                            <p>Are you sure you want to delete this record?</p>
                            <p>
                                <input type="submit" value="Yes" class="btn btn-danger">
                                <a href="nursery_seller.php" class="btn btn-secondary">No</a>
                            </p>
                        </div>
                    </form>
                </div>
            </div>
        </div>
    </body>
</html>

```

## **Testing**

Software testing is the process of executing a program or system with the intent of finding errors. Or, it involves any activity aimed at evaluating an attribute or capability of a program or system and determining that it meets its required results. Software is not unlike other physical processes where inputs are received and outputs are produced. Where software differs is in the manner in which it fails. Most physical systems fail in a fixed (and reasonably small) set of ways. By contrast, software can fail in many bizarre ways. Detecting all of the different failure modes for software is generally infeasible unlike most physical systems; most of the defects in software are design errors, not manufacturing defects. Software does not suffer from corrosion, wear-and-tear – generally it will not change until upgrades, or until obsolescence. So once the software is shipped, the design defects -- or bugs --will be buried in and remain latent until activation. Software bugs will almost always exist in any software module with moderate size: not because programmers are careless or irresponsible, but because the complexity of software is generally intractable – and humans have only limited ability to manage complexity.

It is also true that for any complex systems, design defects can never be completely ruled out. Discovering the design defects in software is equally difficult, for the same reason of complexity. Because software and any digital systems are not continuous, testing boundary values are not sufficient to guarantee correctness. All the possible values need to be tested and verified, but complete testing is infeasible. Exhaustively testing a simple program to add only two integer inputs of 32-bits (yielding  $2^{64}$  distinct test cases) would take hundreds of years, even if tests were performed at a rate of thousands per second. Obviously, for a realistic software module, the complexity can be far beyond the example mentioned here. If inputs from the real world are involved, the problem will get worse, because timing and unpredictable environmental effects and human interactions are all possible input parameters under consideration.

The testing activities are done in all phases of the lifecycle in an iterative software development approach. However, the emphasis on testing activities varies in different phases. This procedure explains the focus of testing in inception, elaboration, construction and transition phases. In the inception phase most of requirements capturing is done and the test plan is developed. In elaboration phase most of design is developed, and test cases

are developed. Construction phase mainly focuses on development of components and units, and unit testing is the focus in this phase. Transition phase is about deploying software in the user community and most of the system testing and acceptance testing is done in this phase.

### **The main purposes of this procedure are:**

- To carry out comprehensive testing of the system/product and its individual components in order to ensure that the developed system/product confirms to the user requirements/design.
- To verify the proper integration of all components of the software.
- To verify that all requirements have been correctly implemented.
- To identify and ensure defects are addressed prior to the deployment of the software.

### **Test Planning**

Initial test plan addresses system test planning, and over the elaboration, construction and transition phases this plan is updated to cater other testing requirements of these phases, like, unit & integration testing.

Test Plan must contain the following:

- Scope of testing
- Methodology to be used for testing
- Types of tests to be carried out
- Resource & system requirements
- A tentative Test Schedule
- Identification of various forms to be used to record test cases and test results

Testing is usually performed for the following purposes:

- **To improve quality:** Quality means the conformance to the specified design requirement. Being correct, the minimum requirement of quality, means performing as required under specified circumstances. Debugging, a narrow view of software testing, is performed heavily to find out design defects by the programmer. The imperfection of human nature makes it almost impossible to make a moderately complex program correct the first time. Finding the problems and getting them fixed, is the purpose of debugging in programming phase.

- **For Verification and Validation (V&V):** Another important purpose of testing is verification and validation (V&V). Testing can serve as metrics. It is heavily used as a tool in the V&V process. Testers can make claims based on interpretations of the testing results, which either the product works under certain situations or it does not work. We can also compare the quality among different products under the same specification, based on results from the same test.

## **Testing Methods Used for Project**

There is a plethora of testing methods and testing techniques, serving multiple purposes in different life cycle phases. Classified by purpose, software testing can be divided into: Correctness testing, performance tests, reliability testing and security testing. Classified by life-cycle phase, software testing can be classified into the following categories: requirements phase testing, design phase testing, program phase testing, evaluating test results, installation phase testing, acceptance testing and maintenance testing. By scope, software testing can be categorized as follows: unit testing, component testing, integration testing, and system are testing.

### **Correctness testing**

Correctness is the minimum requirement of software, the essential purpose of testing. Correctness testing will need some type of oracle, to tell the right behavior from the wrong one. The tester may or may not know the inside details of the software module under test, e.g., control flow, data flow, etc. Therefore, either a white-box point of view or black-box point of view can be taken in testing software. We must note that the black box and white box ideas are not limited in correctness testing only.

### **Black-box testing**

The black-box approach is a testing method in which test data are derived from the specified functional requirements without regard to the final program structure. It is also termed data-driven, input/output driven or requirements-based testing. Because only the functionality of the software module is of concern, black box testing also mainly refers to functional testing -- a testing method emphasized on executing the functions and examination of their input and output data. The tester treats the software under test as a black box --only the inputs, outputs and specification are visible and the functionality are determined by observing the outputs to

corresponding Inputs. In testing, various inputs are exercised and the outputs are compared against specification to validate the correctness. All test cases are derived from the specification. No implementation details of the code are considered. It is obvious that the more we have covered in the input space, the more problems we will find and therefore we will be more confident about the quality of the software. Ideally would be tempted to exhaustively test the input space. But as stated above, exhaustively testing the combinations of valid inputs will be impossible for most of the programs, let alone considering invalid inputs, timing, sequence, and resource variables.

Combinatorial Explosion is the major roadblock in functional testing. To make things worse, we can never be sure whether the specification is either correct or complete. Due to limitations of the language used in the specifications (usually natural language), ambiguity is often inevitable. Even if we use some type of formal or restricted language, we may still fail to write down all the possible cases in the specification. Sometimes, the specification itself becomes an intractable problem: it is not possible to specify precisely every situation that can be encountered using limited words. And people can seldom specify clearly what they want -- they usually can tell whether a prototype is, or is not, what they want after they have been finished. A specification problem contributes approximately 30 percent of all bugs in software. The research in black box testing mainly focuses on how to maximize the effectiveness of testing with minimum cost, usually the number of test cases. It is not possible to exhaust the input space, but it is possible to exhaustively test a subset of the input space.

Partitioning is one of the common techniques. If we have partitioned the input space and assume all the input values in a partition is equivalent, then we only need to test one representative value in each partition to sufficiently cover the Whole input space. Domain testing partitions the input domain into regions, and considers the input values in each domain an equivalent class. Domains can be exhaustively tested and covered by selecting a representative value(s) in each domain. Boundary values are of special interest. Experience shows that test cases that explore boundary conditions have a higher payoff than test cases that do not. Boundary value analysis requires one or more boundary values selected as representative test cases. The difficulties with domain testing are that incorrect domain definitions in the specification cannot be efficiently discovered. Good partitioning requires knowledge of the software structure. A good testing

plan will not only contain black-box testing, but also white-box approaches, and combinations of the two.

### **White-box testing**

Contrary to black box testing, software is viewed as a white-box, or glass-box in white-box testing, as the structure and flow of the software under test are visible to the tester. Testing plans are made according to the details of the software implementation, such as programming language, logic, and styles. Test cases are derived from the program structure. White-box testing is also called glass-box testing, logic-driven testing or design-based testing. There are many techniques available in white-box testing, because the problem of intractability is eased by specific knowledge and attention on the structure of the software under test. The intention of exhausting some aspect of the software is still strong in white-box testing, and some Degree of exhaustion can be achieved, such as executing each line of code at least once (statement coverage), traverse every branch statement (branch coverage), or cover all the possible combinations of true and false condition predicates (Multiple condition coverage). Control-flow testing, loop testing, and data-flow testing, all maps the corresponding flow structure of the software into a directed graph.

Test cases are carefully selected based on the criterion that all the nodes or paths are covered or traversed at least once. By doing so we may discover unnecessary "dead" code - code that is of no use, or never get executed at all, which cannot be discovered by functional testing. In mutation testing, the original program code is perturbed and many mutated programs are created, each contains one fault. Each faulty version of the program is called a mutant. Test data are selected based on the effectiveness of failing the mutants. The more mutants a test case can kill, the better the test case is considered. The problem with mutation testing is that it is too computationally expensive to use.

The boundary between black-box approach and white-box approach is not clear-cut. Many testing strategies mentioned above, may not be safely classified into black box testing or white-box testing. It is also true for transaction-flow testing, syntax testing, finite-state testing, and many other testing strategies not discussed in this text. One reason is that all the above techniques will need some knowledge of the specification of the software under test. Another reason is that the idea of specification itself is broad -- it may contain any requirement including the structure, Programming

language, and programming style as part of the specification content. We may be reluctant to consider random testing as a testing technique. The test case selection is simple and straightforward: they are randomly chosen. Study indicates that random testing is more cost effective for many programs. Some very subtle errors can be discovered with low cost. And it is also not inferior in coverage than other carefully designed testing techniques. One can also obtain reliability estimate using random testing results based on operational profiles. Effectively combining random testing with other testing techniques may yield more powerful and cost-effective testing strategies.

### **Performance testing**

Not all software systems have specifications on performance explicitly. But every system will have implicit performance requirements. The software should not take infinite time or infinite resource to execute. "Performance bugs" sometimes are used to refer to those design problems in software that cause the system performance to degrade. Performance has always been a great concern and a driving force of computer evolution.

Performance evaluation of a software system usually includes: resource usage, throughput, and stimulus-response time and queue lengths detailing the average or maximum number of tasks waiting to be serviced by selected resources. Typical resources that need to be considered include network bandwidth requirements, CPU cycles, disk space, disk access operations, and memory usage. The goal of performance testing can be Performance bottleneck identification, performance comparison and evaluation, etc. The typical method of doing performance testing is using a benchmark – a program, workload or trace designed to be representative of the typical system usage.

### **Reliability testing**

Software reliability refers to the probability of failure-free operation of a system. It is related to many aspects of software, including the testing process. Directly estimating software reliability by quantifying its related factors can be difficult.

Testing is an effective sampling method to measure software reliability. Guided by the operational profile, software testing (usually black-box testing) can be used to obtain failure data, and an estimation model can be further used to analyse the data to estimate the present reliability and predict future reliability. Therefore, based on the estimation, the

developers can decide whether to release the software, and the users can decide whether to adopt and use the software. Risk of using software can also be assessed based on reliability information. Advocates that the primary goal of testing should be to measure the dependability of tested software. There is agreement on the intuitive meaning of dependable software: it does not fail in unexpected or catastrophic ways. Robustness testing and stress testing are variances of reliability testing based on this simple criterion.

The robustness of a software component is the degree to which it can function correctly in the presence of exceptional inputs or stressful environmental conditions. Robustness testing differs with correctness testing in the sense that the functional correctness of the software is not of concern. It only watches for robustness problems such as machine crashes, process hangs or abnormal termination. The oracle is relatively simple; therefore, robustness testing can be made more portable and scalable than correctness testing. This research has drawn more and more interests recently, most of which uses commercial operating systems as their target, such as the work in Stress testing, or load testing, is often used to test the whole system rather than the software alone. In such tests the software or system are exercised with or beyond the Specified limits. Typical stress includes resource exhaustion, bursts of activities, and sustained high loads.

### **Security testing**

Software quality, reliability and security are tightly coupled. Intruders to open security holes can exploit flaws in software. With the development of the Internet, software security problems are becoming even more severe. Many critical software applications and services have integrated security measures against malicious attacks.

### **Maintenance**

Maintenance is a very important task & is poorly managed. Times spent and effort required in maintaining software and keeping it operational takes about 40% to 70% of the total cost of the life cycle.

“Software maintenance is the activity that includes error corrections, enhancements of capabilities, deletion of obsolete capabilities and optimization.” Basically, any work done to change the software after it is in operation is considered to be maintenance. Its purpose is to preserve the value of the software.

## **Corrective Maintenance**

It means modifications made to the software to correct the defects. Defects can result from design errors, logic errors, coding errors, data processing errors and system performance errors.

## **Adaptive Maintenance**

It includes modifying the software to match changes in the ever-changing environment. Environment refers to the totality of all conditions and influences which act from outside upon the software. E.g. business rules, government policies, work patterns and software/hardware operating platforms.

## **Perfective Maintenance**

It means improving processing efficiency or performances, or restructuring the Software to improve changeability.

## **Process**

The process of maintenance for given software can be divided into four stages as follows:

- **Program understanding:** It consists of analysing the program in order to understand it. The ease of understanding the program is primarily affected by complexity and documentation of the program.
- **Generate particular maintenance proposal:** The ease of generating the maintenance proposal is primarily affected by extensibility of the program.
- **Account for ripple effect:** If any change is made to any part of the system, it may affect the other parts also. Thus, there is a kind of ripple effect from the location of modification to the other parts of the software. The primary feature affecting the ripple effect is stability.
- **Modified program testing:** The modified program is to be tested again and again to check that the software has enhanced and reliability is validated.

## **Models**

The models that present for the maintenance of the software are – Quick-Fix Model, Iterative Enhancement Model, Reuse Oriented Model, Boehm's Model etc.

## **RESULTS AND DISCUSSION**

After the project implementation has been completed, the website is ready to be accessed by customers. With this, we have come across the benefits and limitations of our E-Nursery shopping system.

### **Benefits of the system:**

- Customers can access the website anywhere, be it their home, their workplace, or any other location.
- Our website provides service 24/7, so time does not act as a barrier.
- Our website saves shoppers time because customers do not have to stand in queues in cash counters to pay for the products they have purchased.
- The website is easy to use, thus allowing customers to search for items and purchase them without any difficulty.
- The wide range of available products provides the choice for customers to seek and buy the best product available.
- Online shopping saves money. Due to elimination of maintenance, real-estate cost, products can be sold with discount offers.

### **Limitations of the system:**

- Some customers may prefer the physical experience of visiting a nursery, interacting with staff, and seeing the plants in person before making a purchase.
- Shipping live plants can be tricky, and there is a risk of damage during transit. This can lead to customer dissatisfaction and additional costs for the e-nursery in terms of replacements and refunds.
- E-commerce websites can experience technical difficulties, such as website crashes or glitches during the checkout process, which can frustrate customers and impact sales.
- E-commerce websites are vulnerable to cyber-attacks and data breaches, which can compromise customer data and damage the e-nursery's reputation.

## **CONCLUSIONS**

The basic build-up of our project has been completed. However, we will continue working on the website to include additional services for customers to avail in the future.

### **Future Scope**

- We hope to add more features to the system in the future, which will provide more benefits to the customers, leading to better customer service, more exposure for the website and growth in business.
- We are going to provide the online payment methods for customers very soon, alongside the existing cash-on-delivery payment method.
- The website shall include house help services, and contact details of shopper for better interaction and suggestions.
- The website shall include a blog where dieticians shall suggest suitable products on the website, so shoppers can also get advice for following a healthy diet.
- Discount offers shall be given to the customers depending on the total amount of purchase made at one time. This can be extended in order to make available more offers, which will be profitable to customers according to the products they will have purchased.

We will continuously strive to come up with new and better upgrades for the existing features of the system to provide better customer experience. Our goal is to expand our customer base by providing a wider range of products. We hope this endeavour of ours will be helpful for our customers and make their life a little bit easier during this difficult time. We aim to continue providing our support and services to our valuable customers and have a long journey, together.

## **Bibliography**

For successfully completing our project, we have taken help from the following website links :-

- <https://fontawesome.com/v4/icon/pagelines>
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