



**Progressive Education Society's  
MODERN COLLEGE OF ARTS, SCIENCE &  
COMMERCE, GANESHKHIND, PUNE-16  
(Autonomous)**

**A PROJECT REPORT ON  
“ECO-FRIENDLY PRODUCT  
MARKETPLACE”**

**For ACADEMIC YEAR 2023 - 24**

**TY BBA(CA)**

**SEMESTER- V**

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Progressive Education Society's  
**MODERN COLLEGE OF ARTS, SCIENCE & COMMERCE**  
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**(Autonomous)**

**CERTIFICATE**



This is to Certify that **Aditya Shinde** & **Pradip Turkunde** of Class **TYBBA(CA)** Semester **V** has satisfactorily completed Project Entitled **‘ECO-FRIENDLY PRODUCT MARKETPLACE’** as prescribed as per guidelines for the academic year **2024-25**.

Project Guide

BBA(CA) Coordinator

Internal Examiner

External Examiner

## **ACKNOWLEDGEMENT**

I want to express my sincere gratitude **Dr. Sanjay Kharat** principal of Modern College of Arts, Science & Commerce for providing me the opportunity to do my project on **ECO-FRIENDLY PRODUCT MARKETPLACE**. I want to sincerely thank my project guide **Prof. Suwarna Mhasekar** for guiding and encouraging us throughout the project work. Special thanks to all the lab systems for seemingly small but valuable helps in terms of timely Internet and lab access.

In conclusion, we recognize and appreciate the collective effort of all individuals and entities involved in bringing this project to fruition. It is through your dedication, expertise, and collaborative spirit that we have achieved success, and we look forward to continued partnerships and collaborations in our future endeavors.

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## **ABSTRACT**

- Gone are the days when sustainability was only an utterly far-off fantasy. Today, there is a rampant yearning for green products: those that help in saving nature from the adverse impacts of human activities. This marketplace between conscious consumers and environmentally responsible producers could serve as a gateway towards green living. The scope of this marketplace is vast and diverse, ranging from sustainable clothing and biodegradable packaging to green household items and even organic personal care products.
- Therefore, every single product is vetted with proper care in accordance with strict sustainability criteria for it being not only ethically sourced and free of damaging chemicals but also designed with waste in mind. Also, the marketplace supports openness regarding raising consumers' awareness as to the environmental impact of the products and the sustainability practices of the manufacturers.
- The service enables innovative applications such as carbon footprint tracking, suggesting alternative greener options, and community reviews. Its network connects like-minded individuals who are very keen on making greener choices. This marketplace itself bridges the gap between environmentally buyer-conscious consumers and sustainable business consumers while also acting as a catalyst for environmental awareness and responsible consumerism.
- While selling, this marketplace also has an education section as well as a community section where there are partnerships with nonprofit organizations all into the reforestation business and waste reduction. This marketplace is endeavoring to reduce the footprint of regular purchases by equipping its consumers with the knowledge to make choices that are sustainable enough to be sure of a healthy planet.

## INTRODUCTION

- In an era where environmental sustainability is paramount, the demand for eco-friendly products has surged significantly. As consumers become increasingly aware of their impact on the planet, they are actively seeking alternatives that align with their values of sustainability and responsible consumption. This project report presents the development of an e-commerce website dedicated to the promotion and sale of eco-friendly products, catering to the growing market of environmentally conscious consumers.
- The proposed website aims to create a user-friendly platform that not only offers a diverse range of eco-friendly products ranging from organic household goods to sustainable fashion but also educates consumers on the importance of making environmentally responsible choices. By integrating innovative features such as detailed product information, user reviews, and eco-certification labels, we aspire to build a transparent marketplace that fosters trust and encourages informed purchasing decisions.
- The eco-friendly product marketplace will serve as a central hub for a diverse range of sustainable offerings, including organic household items, ethical fashion, and personal care products.

## MOTIVATION

- The pressing imperative to address environmental problems that continue to deteriorate with unsustainable consumption and production patterns thus precipitated the need for the Eco-friendly Product Marketplace. Problems arising due to such patterns have reached a critical level, particularly climate change, pollution, resource depletion, and generation of waste, where individual consumer behavior has increasingly been recognized as playing a pivotal role in the reversal of such problems.
- Despite the increase in awareness for such problems, most shoppers cannot continue to buy responsibly because availability to better quality eco-products is still scarce owing to greenwashing on a large scale. Most eco-friendly buyers cannot tell the actual sustainability, ethical production, and environmental friendliness of different products. Hence this site intends to bridge such a gap by offering an honest and reliable platform through which a buyer can find and purchase products that are more sustainable and ethically produced to meet up with his or her environmental and ethical concerns.
- Moreover, it will benefit businesses classified as belonging to sustainable brands by providing them with a dedicated space where customers holding similar views can view their wares. The marketplace supports new and alternative habits for environmentally-friendly consumption of normal products.
- Another significant motivator is that small action creates a large impact. Every sale makes a difference in carbon footprint, waste reduction, and good practices and counts in each sale. This platform makes it easy for people not to take minor steps toward environmental conservation but to live a more sustainable life.
- Beyond this, however, is an aspiration for the marketplace to inculcate a sense of community towards sustainability. Educating consumers about the positives of green products and enabling initiatives that are pro-social and pro-environmental such as reforestation efforts and partnerships with organizations engaged in anti-deforestation work are intended to generate long-term motivation in the market.



## **Problem Statement**

- This new global marketplace for consumers is crowded with products degrading the environment through pollution, deforestation, waste in large quantities, and greenhouse gas emissions. Traditional models of production and consumption had more importance on convenience and profits rather than on outcomes based on sustainability, with serious ecological damage as a result. Even though aware of these environmental concerns, consumers often can't find really green alternatives due to inaccessibility and misleading practices of greenwashing, and much information related to their environmental impacts are not open and transparent. Moreover, most sustainable companies do not have an easy chance of being noticed in such a market, where there are so many conventional, not-so-sustainable competitors.

## **Goals & Objectives**

- **Promote Sustainable Consumption:** Encourage and enable consumers to make environmentally friendly purchasing decisions based on access to a wide range of verified eco-friendly products.
- **Support Eco-conscious Businesses:** To create a marketplace where sustainable businesses can come and showcase their product lines, improve their customer base, and, in fact, compete with conventional brands in a relatively level playing field. Reduce environmental impacts through the supply of carbon-reduction, pollution-free and waste-less products based on best evidence to consumers.

## **Objectives**

- **Curate a Verified Catalog of Sustainable Products:** All listed products on the platform must meet demanding sustainability criteria, such as the use of materials with eco-friendly content, application of production ethics, and minimal environmental impact.
- **Increase Transparency:** Provide product information providing clear details of assessments of its environment impact, certifications as well as ethical source detail, in order to help consumer make adequately informed choices.

## **LITERATURE SURVEY**

In [1] The literature study by Magdalena Maciaszczyk et al. explores the buying behavior of young Polish e-consumers in terms of eco-friendly products, underlining how the Internet, through purchasing over the Internet, enhances sustainability-based choices. Analyzing data from 620 respondents, it has identified product information and product quality as the most significant factors determining the preference for buying, aside from Covid-19. The methodology combines both literature review and empirical analysis in the form of purposive sampling. It reveals that whereas in young consumers product features mean much importance, a large part of the consumers is not so concerned with pesticide-free status. The study has suggested online product information to be improved and green e-marketplaces be developed to develop more interest and sale of such products. It is hoped that future research would determine the international context of such trends.

In [2] The literature paper critically analyses the online buying behavior of the Vietnamese Gen Z consumers towards green products as drivers of this type of sustainable shopping behavior. Employing the quantitative method, this study administered the questionnaire to 100 people from the age group of 16-26 years using Extended Theory of Planned Behavior for assessing the data. This paper suggests that attitudes, social pressures, and concerns toward the environment together drive the purchasing decisions of Gen Z; hence, it provides actionable recommendations for e-commerce for understanding the sustainability preferences of Gen Z. Further research may be pursued by applying it to other generations, such as Millennials, to gain a better outlook on buying behavior related to sustainability and changes across the demographic line. It would also give new insights when this theory gets adapted or enriched.

In [3] The literature study by Vanshika and Mrs. Renu addresses the approach toward sustainable markets through innovation in e-commerce- particularly, it gives significant importance to the contribution that such innovations, in their turn, make toward more environmentally friendly practices and depletion of nonrenewable resources. A critical review of literature based on various reports has shown gaps to go a little deeper and to find out how different types of models in e-commerce might build sustainability in the market. The results suggest that there is a need for sensitization on the various benefits associated

with digital platforms in ways that afford both economic and social dimensions for change to be sustainable. By the end, the authors would seek future research that should encompass a broader scope by allowing the study of case studies into specific models of e-commerce sustainability. Generally, the article underlines the importance of e-commerce in enhancing practices that are sustainable.

In [4] The literature by Nayeon Kim and Kyungtag Lee is related to the linkage of environmental consciousness, intention to purchase, and actual purchasing behavior of ecologically friendly products. The researchers emphasized situational factors: ease of purchase and the credibility of eco-labels, conducting an analysis based on data from 220 consumers in Korea. According to the findings, though environmental awareness plays a vital role, even the will to purchase is influenced at times more by convenience. The study may suggest the credence aspect of the label and ease of the purchasing process as catalysts for greener consumption. This avenue may be explored to study the income richness aspect and cultural backgrounds in relation to purchasing behavior. Further follow-up studies can be conducted to track longitudinal studies over time. Overall, it provides the drivers of how one can catalyze ecological purchasing.

In [5] The literature paper by Hanna Olasiuk and Udit Bhardwaj sheds light on why gap is observed between the fact that Indian consumers are very sensitive to environmental concerns and hardly ever buy eco-friendly brands. Interest in sustainable products does not necessarily convert into buying behavior; the prime causes of this inconsistency are the huge pressures concerning price and apprehensions pertaining to product quality. It identifies and analyzes the salient factors influencing the frequency of purchases based on the regression techniques and the processing of information from which it analyses a problem occurring in green consumerism. There is a detailed literature review along with structured questionnaires to understand consumers' preferences and concerns. The results indicate that overcoming the challenges for price and availability and also competency enhancement of the brands were the major enablers that increased the purchase. According to the book, more studies should be conducted to explore reasons behind the flat line experienced in growth for eco-purchasing by recommending marketing actions and educating consumers to bring effective change in this area. The research objective is finally motivating for initiatives toward sustainability and desirable market change.

Collectively, these studies probe influential factors on the purchasing behavior of the young customers for green products in different countries. Product Information and Quality: Maciaszczyk et al. "E-consumers in Poland 2015-2020, refers product information and quality as one of the most important aspects. Nguyen analysis for the Vietnamese Gen Z reveals that beliefs and peer pressure become the source of green purchasing. Kim and Lee conclude that such components as ease of purchase and credibility of the label are critical in the relationship between environmental awareness and purchase behavior in Korea. Pricing and product availability are found to be major barriers in Olasiuk and Bhardwaj's Indian consumer study, yet these highly conscious consumers are also conscious consumers of ecofriendly options. In short, such studies indicate that, with promotions of marketing strategies, access to products, and consumer education, there can be greater activation with sustainable products. Further research on diverse demographics and cultural factors will be carried out in order to get patterns of eco-friendly purchasing trends around the world.

## Scope

- Easy To Shop: The marketplace is designed to make it easy for consumers to shop with easy navigation and powerful filter features to make it easy to buy on attributes like organic, biodegradable, fair trade, and more.
- Carbon Footprint Tracking: The platform will allow customers to track the carbon footprint of what they have purchased so that they know what difference they make by opting for environment-friendly products.
- Personalized Recommendations: Based on user preferences and their browse history, the platform is going to provide the user with specific product recommendations related to their sustainability goals.
- Community Engagement: A section or community room where users share tips on living eco-friendly, product reviews, among other things discussing and sharing ideas on sustainable living.

## Limitations

- Many of the sustainable products will be more expensive than their analogous conventional counterparts, since they will have to pay for "ethical sourcing, sustainable materials, and fair-trade practices." This probably would shoot the platform out of the budget of the price-sensitive customer, potentially dampening the competitiveness of the platform.
- There is a risk that some of the suppliers might be convicted of greenwashing, meaning that it could deceive the consumers using fake information regarding environmental friendliness about their products. This may dent trust in the marketplace if not kept adequately in place through proper strict verification processes.
- Some Eco-friendly supply chains can sometimes become very complicated and are less scalable than a traditional chain. This might sometime cause problems with product availability, delay, or shortage of stock. Small, localized producers find it hard to scale up to increase the demand, especially for the larger global market.

## SYSTEM ANALYSIS

### Existing System

- Loopify World is an Indian eco-friendly products marketplace, run by the noble mission of making our planet a greener, cleaner, and happier place for everyone. It is a revolutionary platform that specializes in offering 100% plastic-free, sustainable products ranging from gifting to events, festivals, and daily living. They just inspired me to promote more of those very eco-friendly products. With each sale, we get closer to having a greener environment, while the customer becomes a part of something greater, something meant to make a change.
- Thrive Market is an online grocery offering organic and non-toxic food and home products at discounted rates through a membership model. Focused on a healthy way of living as well as sustainability, the marketplace offers a large range of environmentally friendly products. Those range from organic snacks and cleaning supplies to personal care items. Thrive Market also engages in social efforts: it provides free memberships to families.

### Proposed System

- **Workshops:** 1. Transforming Waste into Functional Art: Use waste to create functional art by finding creative ways to reuse and recycle household waste material as useful or decorative items. Some ideas could be to use old jars for storing stuff and making art out of used magazines, or perhaps you can create planters out of plastic bottles.  
  
2. Sustainable Fashion: Repairing and Redesigning Old Clothes: Find ways to mend, alter, and refashion old clothing in order to extend the lives of clothes and prevent fashion waste. Simple sewing skills, creative patching, and other ideas to make it your own can be included in workshop.
- **Webinar:** This webinar educating its attendants on the latest developments regarding eco-friendly products, its benefits, and to the immediate environment as well as to everyday life.

# PROJECT PERSPECTIVE FEATURES

## **Advanced Tracking and Analytics**

- **Product Categories:** categories like personal care, home decor items, and office supplies.
- **Cart and Checkout Features:** Streamlined Checkout Process: Allow fewer checkout steps to minimize abandoned carts as much as possible.
- **User-Friendly Interface:** Clean Design: Use minimalist layout and nature-inspired colors to create an appealing ambiance.

## **Mobile and Accessibility Features**

- **Mobile Responsiveness:** Ensure the platform is optimized for mobile devices, providing a seamless experience for users on smartphones and tablets.

## **Feedback**

- **User Feedback System:** this is a system that allows users to have some kind of channel through which they can give feedback on their experiences with the platform, including suggestion ideas for improvement and points to point on for reporting issues.
- **Continuous improvement:** Upgrades the platform based on user's feedback and continuously emerging needs for environmental changes toward ensuring better functionality as well as higher user satisfaction. It includes frequent updating and testing to maintain competency in the market.

# STAKEHOLDERS

- **Customers:** one of the stakeholder groups who, in this marketplace, are environmentally conscious consumers seeking sustainable products and those requiring transparent sourcing and environmental impacts as part of sourcing. Customer preferences drive the marketplace toward ethical offerings and contribute to the development of a sustainability-based community.



# REQUIREMENT ANALYSIS

## Functional Requirements

### ➤ System for Eco-friendly Product Marketplace

- **Product List:** Enables the user to browse and search for product according to their types.
- **Product Description:** Contains and expands on the description of each product, which contains care instructions, price, availability, and images
- **Shopping Cart:** Enabling users to add products and view contents of shopping cart, and check out.

## Performance Requirements

- **Scalability:** The system needs to accommodate varied number users as well as transaction throughput without loss of performance. It needs to scale horizontally to capture high-traffic and volumes of data.
- **Responsiveness:** The system should be fast to load. This should serve users from any device and browser across devices and browsers. Page load times should be below 3 seconds.
- **Availability:** There must be a high level of availability with as little downtime as possible.

## Security Requirements

- **Platform Architecture:** We have utilized a robust web framework such as html, css, js for the frontend and Java, JSP for the backend to make an application that should scale well and be manageable. The database is going to be a reliable source that should manage product data, user information, and campaign metrics, using MySQL.
- **Security - Data Encryption:** One must implement proper protocols of encryption of data, such as HTTPS and TLS, to secure across the perimeter of data movement and storage.
- **Backup Solutions:** Regularly backup all critical data and implement recovery processes to restore data in case of system failures or data loss.

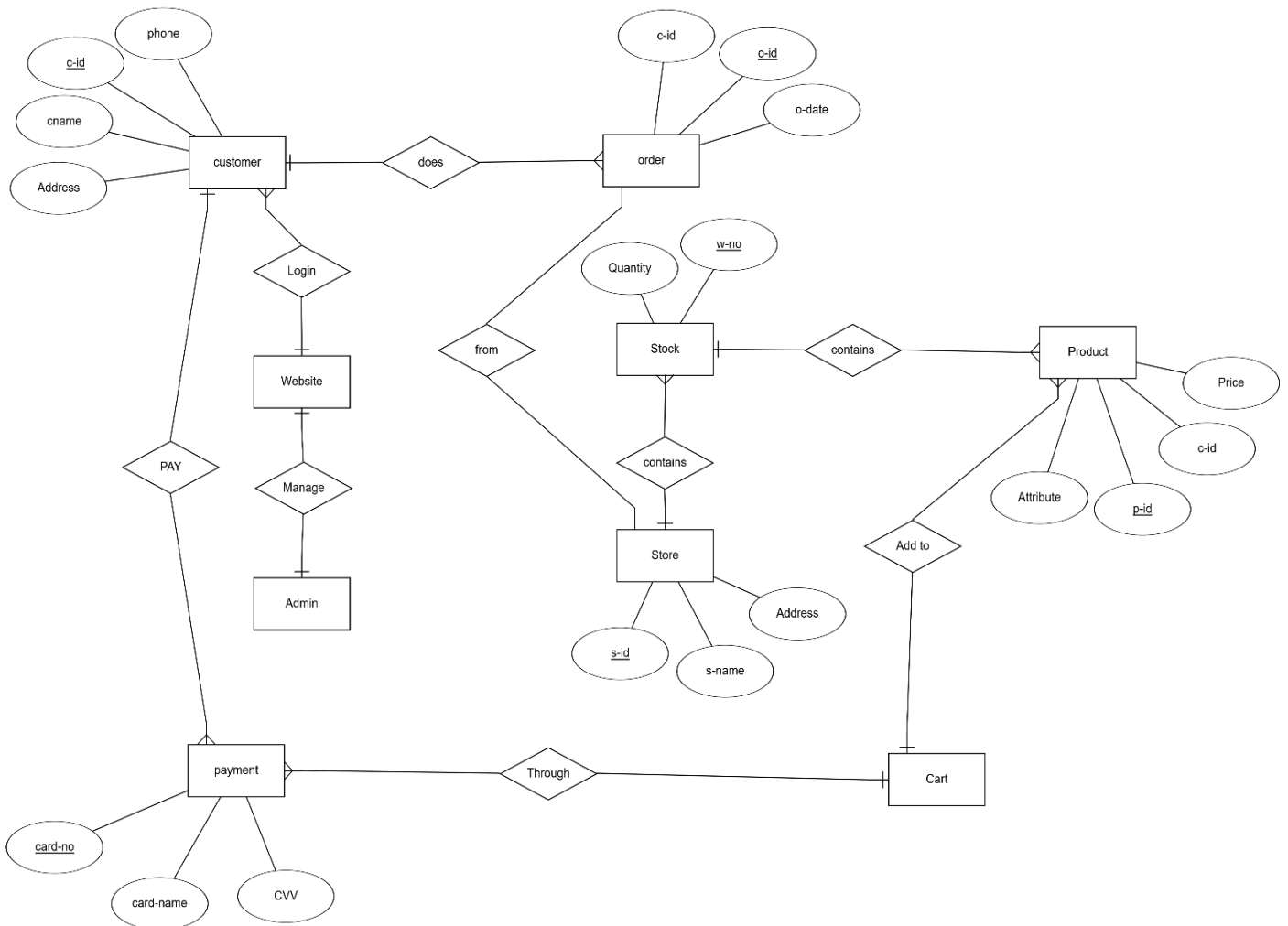
## SYSTEM DESIGN: DESIGN CONSTRAINT

The system designed for Eco-product is scalable enough to accommodate growing user traffic and data as campaigns grow. Security is essential. Data encryption and secure payment gateways be available for transaction.



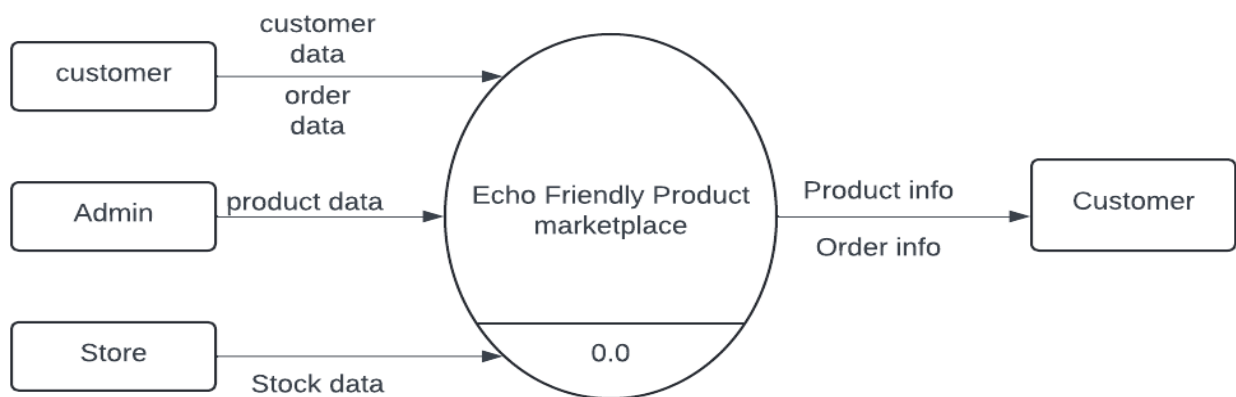
# SYSTEM DESIGN: SYSTEM MODEL

## ER DIAGRAM

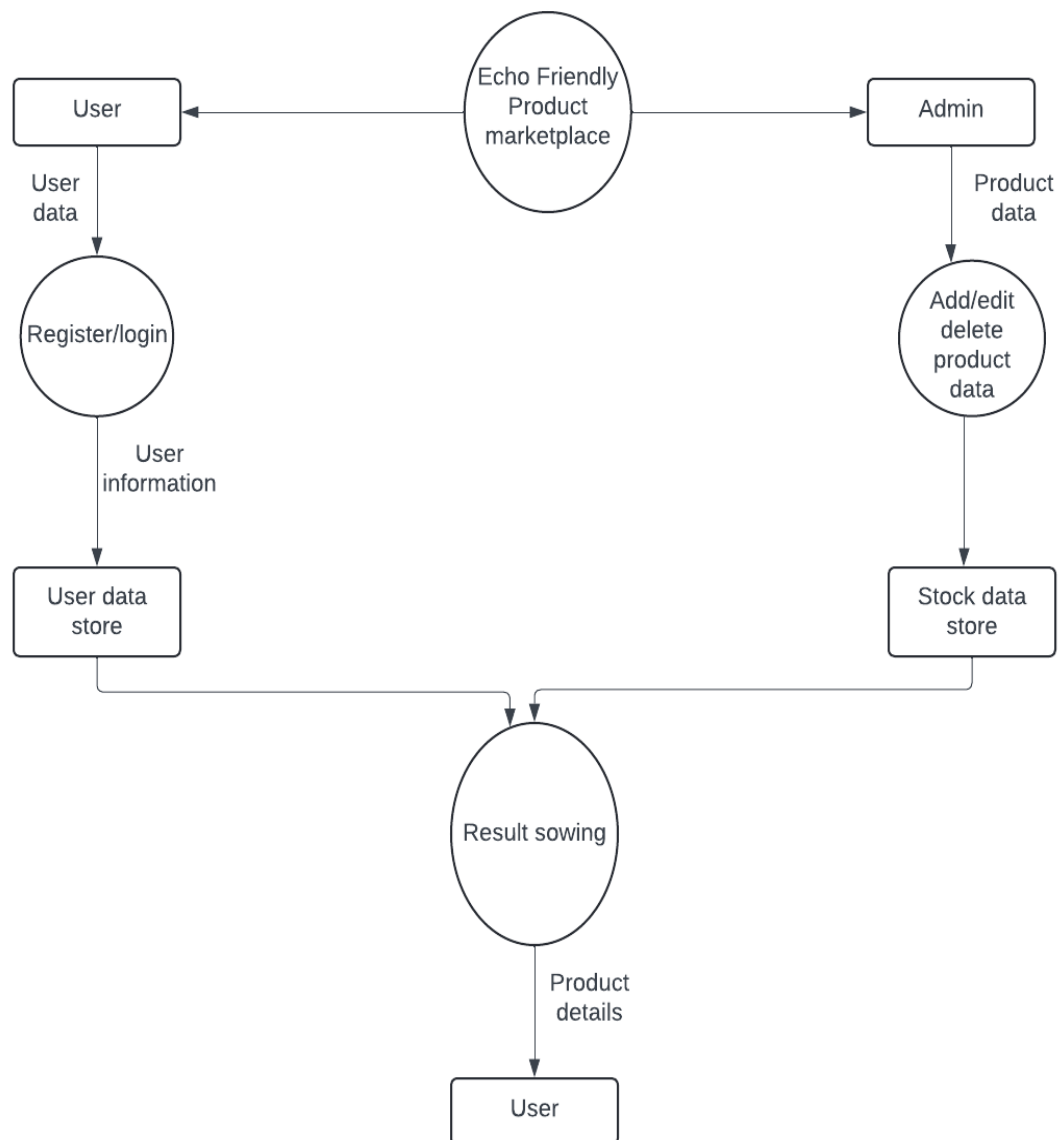


- **DATA FLOW DIAGRAM**

**LEVEL 0:**

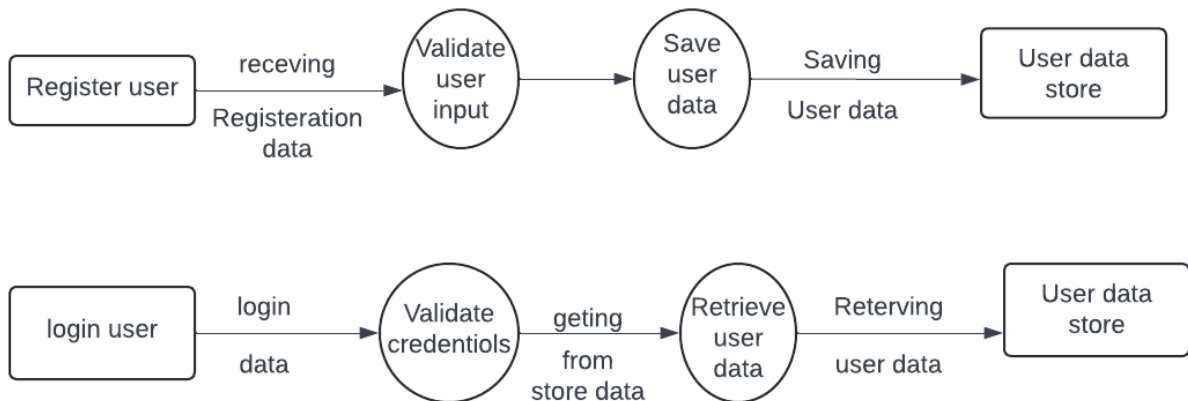


## **LEVEL 1:**

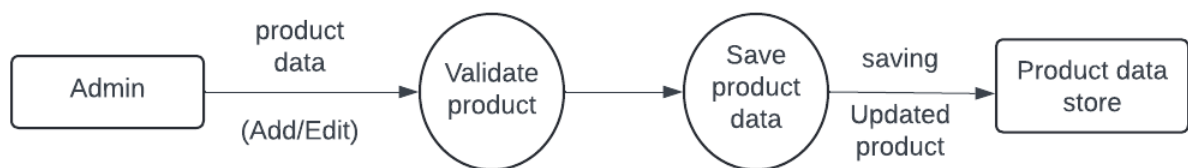


## LEVEL 2:

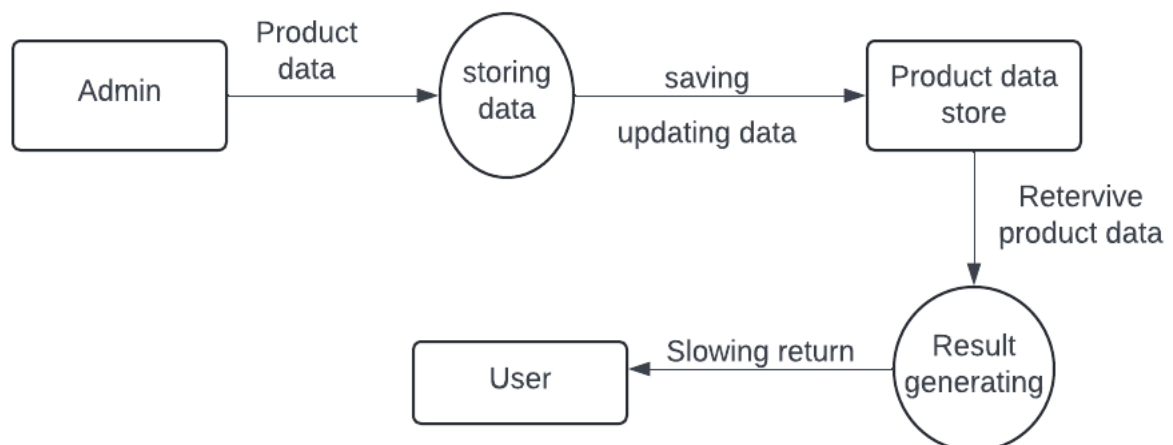
### USER



### ADMIN



### PRODUCT



## DATA MODEL

### USER REGISTRATION FORM

	#	Name	Type	Collation	Attributes	Null	Default
<input type="checkbox"/>	1	user_name	varchar(50)	utf8mb4_0900_ai_ci		Yes	NULL
<input type="checkbox"/>	2	user_email	varchar(50)	utf8mb4_0900_ai_ci		Yes	NULL
<input type="checkbox"/>	3	password	varchar(40)	utf8mb4_0900_ai_ci		Yes	NULL
<input type="checkbox"/>	4	confirm_password	varchar(40)	utf8mb4_0900_ai_ci		Yes	NULL

### WORKSHOP JOIN FORM

	#	Name	Type	Collation	Attributes	Null	Default
<input type="checkbox"/>	1	name	varchar(20)	utf8mb4_0900_ai_ci		Yes	NULL
<input type="checkbox"/>	2	email	varchar(20)	utf8mb4_0900_ai_ci		Yes	NULL
<input type="checkbox"/>	3	workshop	varchar(50)	utf8mb4_0900_ai_ci		Yes	NULL
<input type="checkbox"/>	4	add_comment	varchar(200)	utf8mb4_0900_ai_ci		Yes	NULL

## PAYMENT FORM

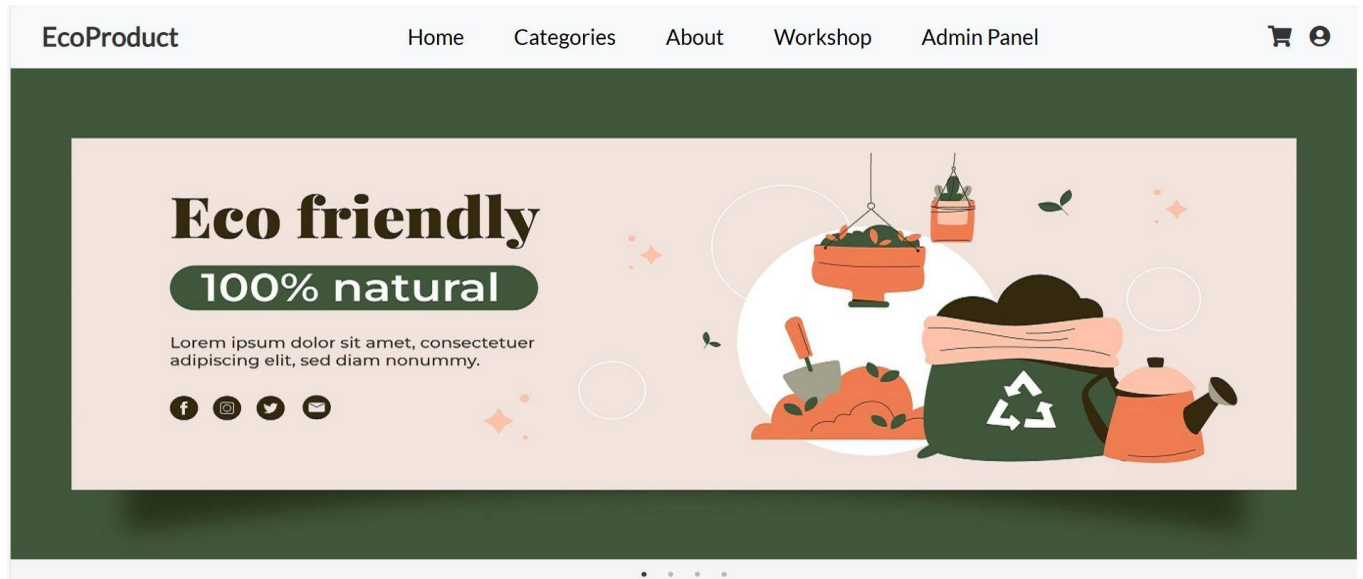
	#	Name	Type	Collation	Attributes	Null	Default
<input type="checkbox"/>	1	<b>name</b>	varchar(100)	utf8mb4_0900_ai_ci		Yes	NULL
<input type="checkbox"/>	2	<b>email</b>	varchar(30)	utf8mb4_0900_ai_ci		Yes	NULL
<input type="checkbox"/>	3	<b>address</b>	varchar(100)	utf8mb4_0900_ai_ci		Yes	NULL
<input type="checkbox"/>	4	<b>city</b>	varchar(50)	utf8mb4_0900_ai_ci		Yes	NULL
<input type="checkbox"/>	5	<b>state</b>	varchar(50)	utf8mb4_0900_ai_ci		Yes	NULL
<input type="checkbox"/>	6	<b>pincode</b>	int			Yes	NULL
<input type="checkbox"/>	7	<b>name_card</b>	varchar(50)	utf8mb4_0900_ai_ci		Yes	NULL
<input type="checkbox"/>	8	<b>card_no</b>	varchar(15)	utf8mb4_0900_ai_ci		Yes	NULL
<input type="checkbox"/>	9	<b>exp_month</b>	int			Yes	NULL
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<input type="checkbox"/>	11	<b>cvv</b>	int			Yes	NULL

## FEEDBACK FORM

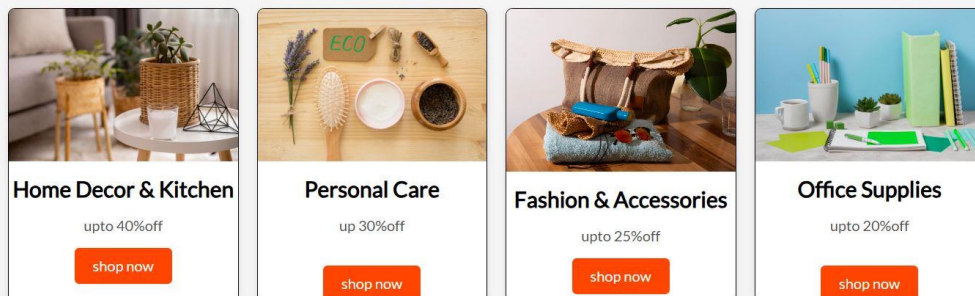
	#	Name	Type	Collation	Attributes	Null	Default
<input type="checkbox"/>	1	<b>name</b>	varchar(80)	utf8mb4_0900_ai_ci		Yes	NULL
<input type="checkbox"/>	2	<b>email</b>	varchar(80)	utf8mb4_0900_ai_ci		Yes	NULL
<input type="checkbox"/>	3	<b>rating</b>	int			Yes	NULL
<input type="checkbox"/>	4	<b>comment</b>	text	utf8mb4_0900_ai_ci		Yes	NULL

# USER INTERFACES

## LANDING PAGE



### PRODUCT categories



### About Us



At Eco-product we are passionate about making a positive impact on the environment through our eco-friendly products. Our mission is to offer high-quality, sustainable alternatives to everyday items, helping you reduce your carbon footprint and live a greener lifestyle.

#### Why Choose Us?

Choosing Eco product means choosing to support a business that cares deeply about the environment. We take pride in our efforts to reduce waste, promote ethical practices, and contribute to a healthier planet. By shopping with us, you are not only investing in high-quality products but also in a brighter, more sustainable future.



## Feed**back**

### We Value Your Feedback!

Your opinions matter to us. At Eco-product, we believe that customer feedback is essential for continuous improvement. We'd love to hear about your experience with our products and any suggestions you may have.

[Give Us Feedback](#)

#### ONLINE STORE

[HOME DECOR & KITCHEN](#)  
[PERSONAL CARE](#)  
[FASHION](#)  
[OFFICE SUPPLIES](#)

#### HELPFUL LINK

[HOME](#)  
[CATEGORIES](#)  
[ABOUT US](#)

#### CONTACT US

[EMAIL:INFO@ECOPRODUCT.COM](mailto:info@ecoproduct.com)  
[PHONE:+91123456](tel:+91123456)  
[ADDRESS: 101,CENTRAL AVENUE,PUNE](#)



### Home Decor & Kitchen Products



Bamboo Baskets for wall decor

Rs.1100

[Add to Cart](#)

Bamboo Hanging planter

Rs.500

[Add to Cart](#)

wooden table top showpiece

Rs.700

[Add to Cart](#)

Clay bottle

Rs.400

[Add to Cart](#)

Coconut Bowl with spoon

Rs.1050

[Add to Cart](#)

Bamboo indoor planter

Rs.1200

[Add to Cart](#)

Handcrafted Fruit bowl

Rs.600

[Add to Cart](#)

Wooden Hanging Candle Holder

Rs.780

[Add to Cart](#)

Clay Duck

Rs.350

[Add to Cart](#)

Clay cup

Rs.350

[Add to Cart](#)





## Your Cart

Buttery Avocado Soap Bar - Rs.150.00

Remove

Bamboo Hanging planter - Rs.500.00

Remove

wooden table top showpiece - Rs.700.00

Remove

beetroot lip scrub - Rs.200.00

Remove

bamboo tissues - Rs.175.00

Remove

Total: Rs. 1725.00

Checkout

### Billing Address

Full Name

Aditya Ramesh Shinde

Email

shindeaditya3003@gmail.com

Address

abc

City

pune

State

maharashtra

Pincode

411057

☒ Shipping address same as billing

### Payment

Accepted Cards



Name on Card

aditya shinde

Credit card number

123456789011

Exp Month

02

Exp Year

2024

CVV

123

Place Your Order

## Upcoming Webinars & Workshops



### Eco-Friendly Products: Innovations and Impact

02 OCTOBER 2024

KOREGOAN PARK

This webinar focuses on educating participants about the latest innovations in eco-friendly products, their benefits, and their impact on both the environment and everyday life.

**Objectives:** Highlight innovative eco-friendly products and their benefits. Educate participants on how these products can make a positive impact. Engage the audience with expert insights and practical advice.

[Join Now](#)



### Transforming Waste into Functional Art

08 Nov 2024

Baner

**Description:** Explore creative ways to repurpose household waste materials into useful and decorative items. This could include turning old jars into storage containers, creating art from discarded magazines, or making planters from plastic bottles.

**Activities:** Crafting sessions, showcasing upcycled projects, and tips on sourcing materials.

[Join Now](#)



### Sustainable Fashion: Repairing and Redesigning Old Clothes

22 Nov 2024

Pashan

**Description:** Discover techniques for mending, altering, and redesigning old clothing to extend its life and reduce fashion waste. This workshop can include sewing basics, creative patching, and ideas for customizations.

**Activities:** Hands-on repair and redesign, guided instructions on sewing techniques, and discussions on the impact of fast fashion.

[Join Now](#)

## Ecoproduct Blog



### Top 3 Must-Have Eco-Friendly Products for a Greener Home

**Introduction:** Are you looking to make your home more sustainable? Discover our top 3 eco-friendly products that will help you reduce your carbon footprint and live a greener lifestyle.

[Read More](#)



### The Benefits of Switching to Eco-Friendly Products

**Introduction:** Why should you consider making the switch to eco-friendly products? In this post, we'll explore the numerous benefits that come with choosing sustainable options.

[Read More](#)



### How to Start Your Zero-Waste Journey with Eco-Friendly Products

**Introduction:** Starting a zero-waste lifestyle can seem overwhelming, but with the right eco-friendly products, it's easier than you think. Here's how you can begin your journey towards zero waste.

[Read More](#)



## We Value Your Feedback

Please take a moment to share your thoughts with us.

*Name :*

NAME..

*Email :*

EMAIL..

*Rate Your Experience :*




*Your Comments :*

WHAT DID YOU LIKE, & WHAT COULD WE IMPROVE?

Submit Feedback



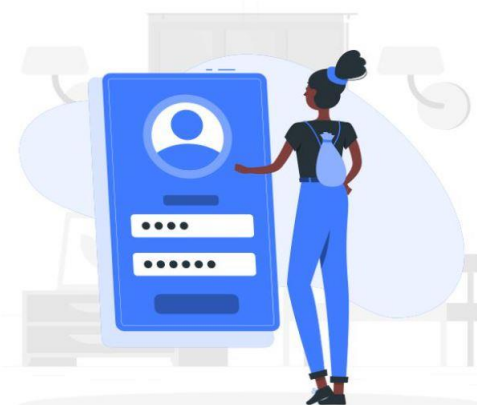
# SIGNUP AND LOGIN PAGE




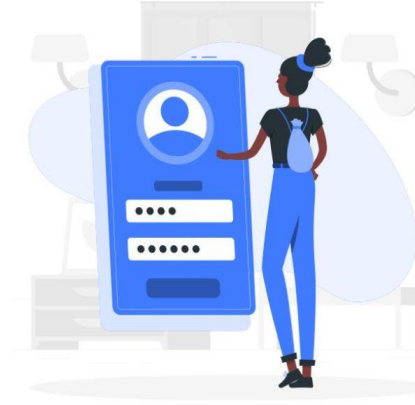
Welcome!

## Register Yourself.

Already have an account [LOGIN](#)







Welcome back!

## Login to your account

Username :

Email :

Password :

Don't have an account? [Forgot Password?](#)

# ADMIN PAGE

ADMIN PANEL

Navigation

Dashboard

View User

View Workshop Registration

Add User

Feedback

Logout

Dashboard

Welcome to your admin dashboard. Here you can manage your application efficiently.  
Use the navigation menu to manage users, workshops, and other tasks.

ADMIN PANEL

HOMEVIEW USERSVIEW WORKSHOPSFEEDBACK

ADD USER

Name:

NAME..

Email:

EMAIL..

Password :

Password

Confirm-password:

Confirm Password

ADD USER

ADMIN PANEL

[HOME](#)
[VIEW WORKSHOP REGISTRATION](#)
[ADD USER](#)
[FEEDBACK](#)

Users

USER NAME	EMAIL	PASSWORD	CONFIRM PASSWORD
shindeaditya3003@gmail.com	aditya shinde	aditya3003	aditya3003
pradip@gmail.com	pradip turkunde	pradip123	pradip123
chait@gmail.com	chaitanya	chait12	chait12
prabhu@gmail.com	prabhu	prabhu11	prabhu11
manas@gmail.com	manas	manas22	manas22

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Admin Panel

[Home](#)
[View User](#)
[Add User](#)
[FEEDBACK](#)

Workshops Registration

Name	Email	Workshop	Additional Comments
null	null	null	null
Kaustubh	abc@gamil.com	Friendly Products: Innovations and Impact	abc
Pradip	dip@gmail.com	Friendly Products: Innovations and Impact	asdf

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ADMIN PANEL

[HOME](#)
[VIEW WORKSHOP REGISTRATION](#)
[ADD USER](#)
[VIEW USER](#)

Feedback

NAME	EMAIL	RATING	COMMENT
Aditya	abc@gamil.com	3	improve
Pradip	dip@gmail.com	2	zbc
chaitanya	chait@gmail.com	3	ads
kaustubh	kau@gmail.com	5	zxsa

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# IMPLEMENTATION DETAILS

## Software Specifications

- **Frontend Languages:** HTML5, CSS3, JS
- **Backend Languages:** Java, JSP
- **Database:** MySQL
- **Software:** VsCode, Eclipse, Word, Lucid Chart, ERD Plus
- **Operating System:** Windows 10

## Hardware Specifications

- **Processors:** Intel, i3 7<sup>th</sup> Gen
- **Ram:** 4GB,12GB
- **Hard Disks:** 1TB,1.5TB
- **System Configuration:** 64 bits



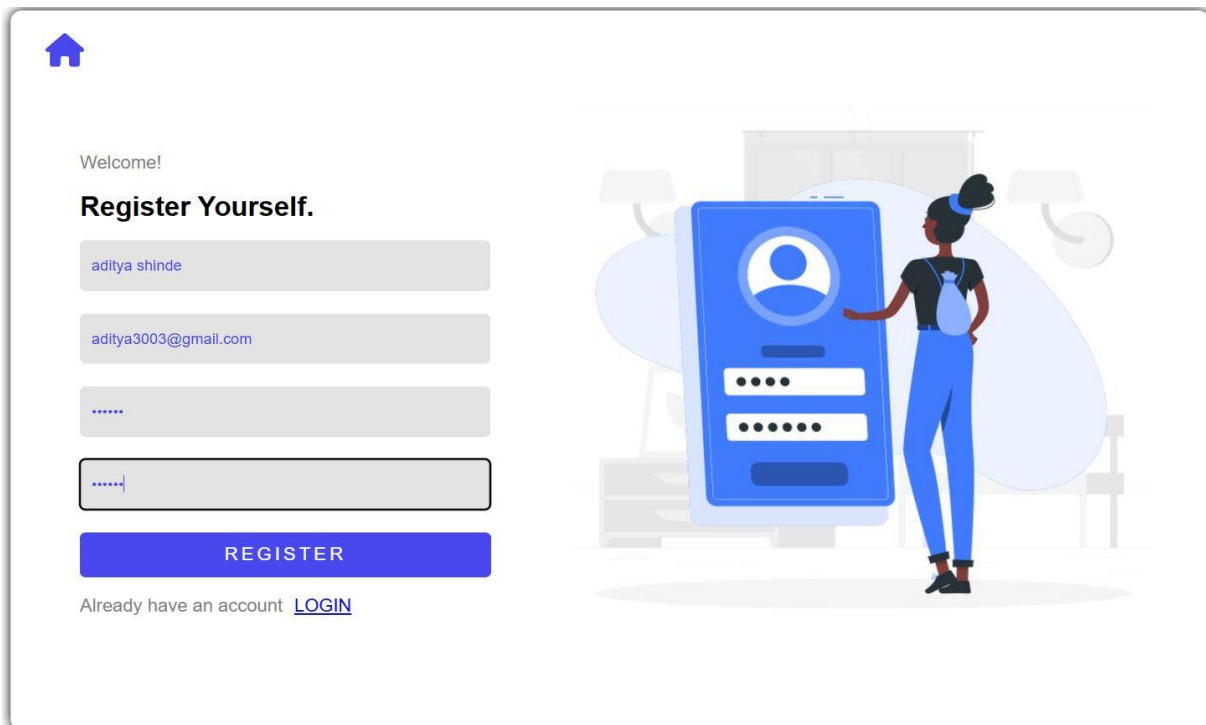
# OUTPUTS AND REPORT TESTING

## TEST PLAN

**Objective:** To ensure Ecoproduct functions correctly, including admin login, user registration and user login test.

### BLACK BOX TESTING -

#### User Registration Testing Test Case 1.1 –



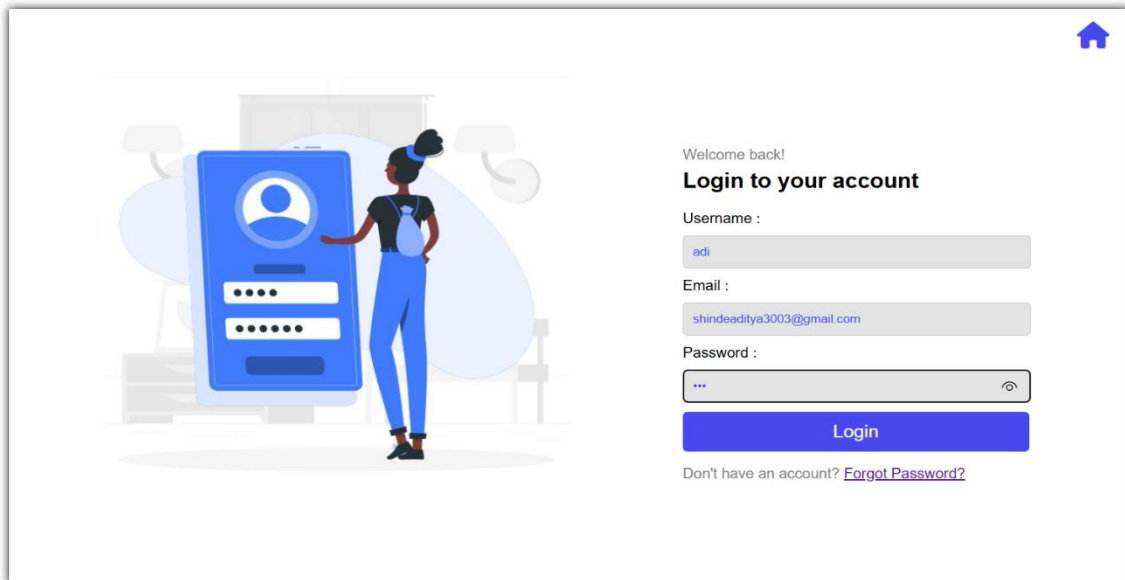
A screenshot of a user registration form. On the left, there is a home icon, a 'Welcome!' message, and the heading 'Register Yourself.'. Below this are four input fields: the first contains 'aditya shinde', the second contains 'aditya3003@gmail.com', the third contains six dots, and the fourth contains six dots. A blue 'REGISTER' button is below the inputs. At the bottom left, it says 'Already have an account' followed by a blue 'LOGIN' link. On the right, there is an illustration of a person in blue overalls standing next to a large blue smartphone that displays a registration form with a profile icon, a name field, an email field, and password fields.





## User Login Testing

### Test Case 1.2 –



A screenshot of a web application's login page. On the left, there is an illustration of a person in blue overalls interacting with a large blue screen that displays a login form. On the right, the login form is displayed. It includes a 'Welcome back!' message, a 'Login to your account' heading, and input fields for 'Username', 'Email', and 'Password'. The 'Username' field contains 'adi', the 'Email' field contains 'shindeeditya3003@gmail.com', and the 'Password' field contains three dots. A blue 'Login' button is at the bottom of the form. Below the button is a link that says 'Don't have an account? [Forgot Password?](#)'. A small blue house icon is in the top right corner.

Welcome back!

**Login to your account**

Username :

Email :

Password :

[Login](#)

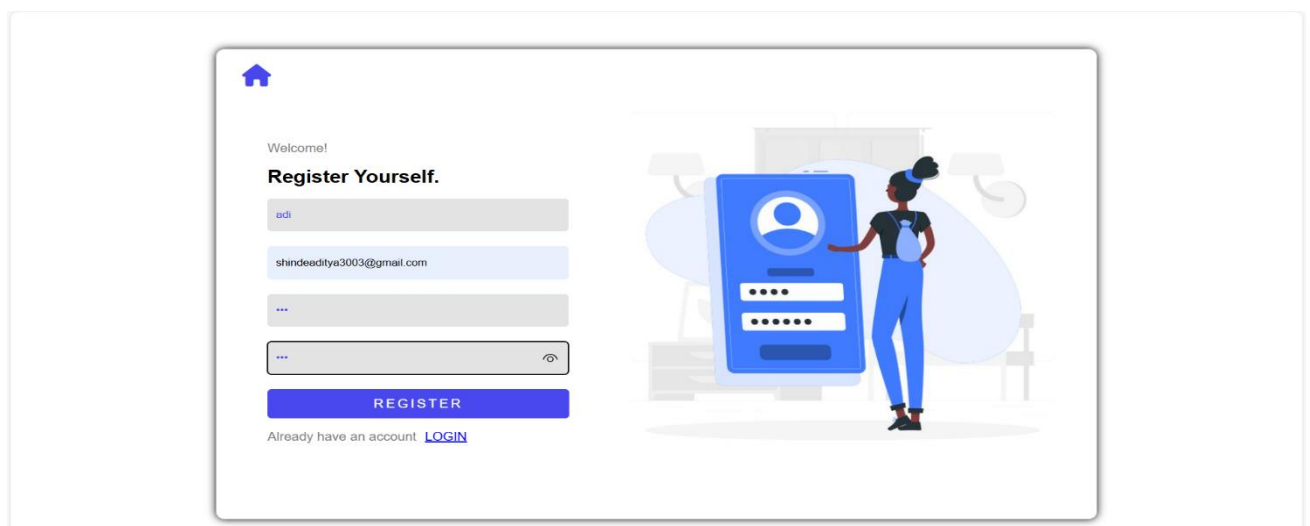
Don't have an account? [Forgot Password?](#)

localhost:8080 says

Login Successful

OK

### Test Case 1.3



A screenshot of a web application's registration page. On the left, there is an illustration of a person in blue overalls interacting with a large blue screen that displays a registration form. On the right, the registration form is displayed. It includes a 'Welcome!' message, a 'Register Yourself.' heading, and input fields for 'Username', 'Email', and 'Password'. The 'Username' field contains 'adi', the 'Email' field contains 'shindeeditya3003@gmail.com', and the 'Password' field contains three dots. A blue 'REGISTER' button is at the bottom of the form. Below the button is a link that says 'Already have an account? [LOGIN](#)'. A small blue house icon is in the top left corner.

Welcome!

**Register Yourself.**

[REGISTER](#)

Already have an account? [LOGIN](#)

localhost:8080 says

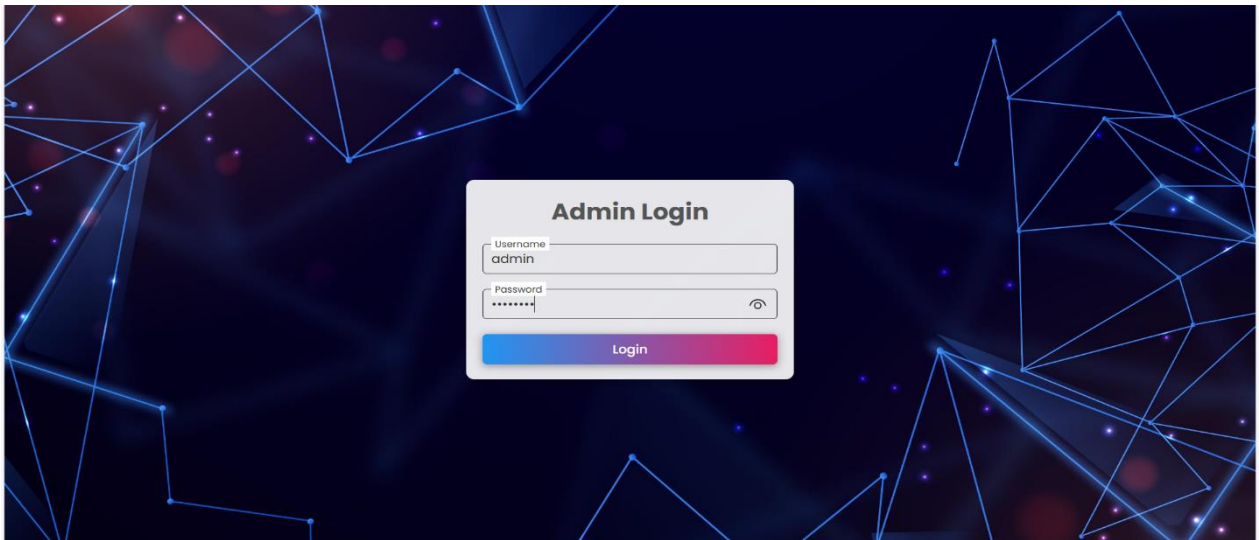
Username or Email already exists!

OK

## WHITE BOX TESTING -

### Admin login Testing

#### Test Case 1.1 –

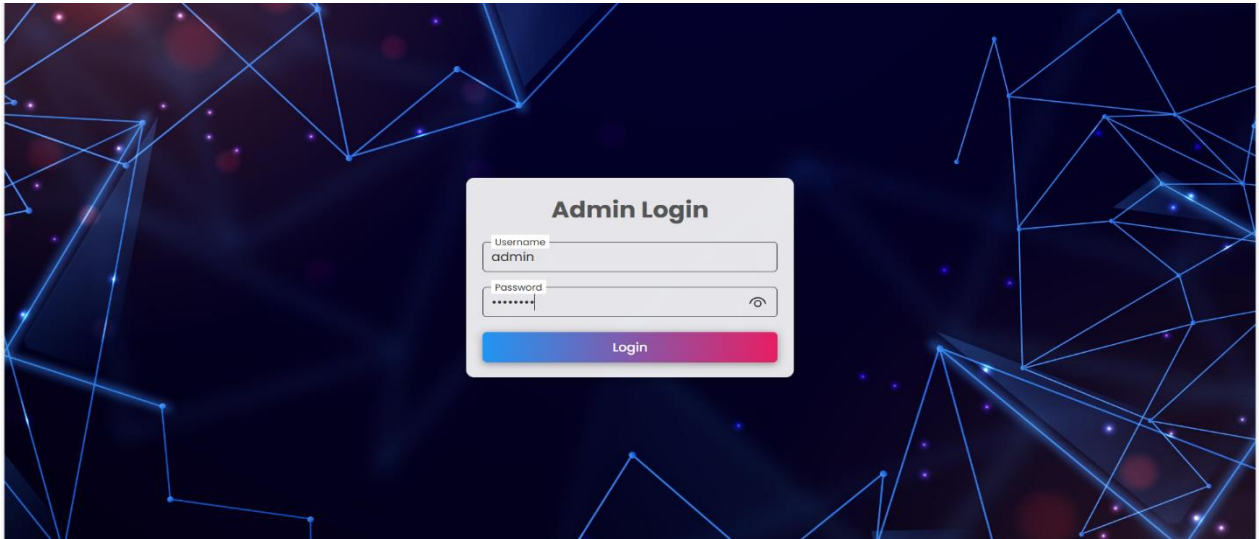


localhost:8080 says

Admin Login Successful!!

OK

## Test Case 1.2 –



localhost:8080 says

Admin Login UnSuccessfull

OK

## CONCLUSION AND RECOMMENDATIONS

### Conclusion

The Eco-friendly Product Marketplace is a timely and much-needed initiative at this point when the conscious consumer's demand for sustainable products has emerged parallel to growing environmental consciousness. Serves to bridge the gap between all conscious consumers on the lookout for verified green products and responsive, responsible, ethical producers, who not only promote access to such products but provide a fully transparent forum for membership to this community and education. It speaks against the two major challenges, greenwashing and accessibility for sustainable choices; therefore, it encourages responsible consumption and supports businesses dedicated to environmentally friendly practices.

### Recommendations

**Affordability:** Determine the price elasticity of a section of customers. Seek opportunities on cost-cutting initiatives such as mass purchasing or cooperative buying arrangements that will, in turn, reduce prices through sustainable brands.

**Awareness Campaign:** Invest in marketing campaigns towards the benefits of using sustainable products and the importance of responsible consumption. Environmental organizations can aid in expanding outreach to demographics of broader audiences.

**Sustaining Partnerships:** Partnership with NGOs and community groups that show concern for sustainability and environmental conservation. Collective efforts will strengthen the marketplace profile, and influence will follow while opening avenues for consumer participation.

## FUTURE SCOPE

**Here are some points that which are included in the future scope:**

- Converting this application into an android app.
- Adding more security and larger users supports.
- Eliminating language barrier by making it language friendly.

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## WEB RESOURCES

 <https://www.google.com/>

 <https://m.youtube.com/>

 <https://chat.openai.com/>