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Pure-Food

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Abstract: *Today, shopping is shifting more towards digital platforms because people want quick, stress-free solutions. Our project, "Pure-Food" helps customers buy organic products easily without leaving their homes. The platform is designed with a simple layout, an easy search system, and reporting features to improve the shopping experience. The system allows admins to manage products and customers efficiently, providing a smooth e-commerce experience for everyone.*

Keywords: E-commerce, Metadata Management, Organic Food, Online Store, Django

I. INTRODUCTION

Organic foods are grown naturally without chemicals, pesticides, or radiation. Normally, fruits and vegetables in markets have chemicals that can stay in the food and harm health. Also, most regular foods today are genetically modified, while organic foods are pure and natural.

But finding organic food in normal markets is not easy. To solve this, we created an online store where people can buy organic products from home. Using e-commerce, the website connects customers with organic products easily.

There are two types of users:

- Admin: Can add products, manage orders, and view customers.
- Customer: Can register, browse products, add them to the cart, place orders, and track their previous orders.

II. LITERATURE SURVEY

1. Introduction to E-commerce Applications

E-commerce applications help businesses sell their products online and manage transactions smoothly. They provide a platform for sellers and buyers to connect. Types of e-commerce models include:

- B2C: Business to Consumer
- B2B: Business to Business
- C2C: Consumer to Consumer

Each model needs its own strategy and system design.

2. User Interface and User Experience

Good UI/UX design is very important for e-commerce success. Simple layouts, fast loading times, and easy navigation help users find what they want quickly. Features like clear product categories, good images, and personalized recommendations improve the experience.

3. Shop Management System Features

Shop Management Systems help businesses with:

- Managing inventory (products)
- Organizing metadata (product info)
- Easy search functions
- Customer management and sales reports

These features keep the system organized and make it easy to run an online store.

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4. Digital Storage and Security
Storing customer and product data safely is very important. Modern stores use cloud storage (AWS, Google Cloud, Azure) for secure, scalable storage. Security protocols like encryption and safe payment gateways protect the data.

5. Digital Implementation and Partnerships
Many stores use external partners for services like:
- Digital marketing
- Payment gateways
- Delivery logistics
Working with third-party services helps expand store features without developing everything from scratch.

6. Reporting and Analytics
Reporting tools help store owners understand sales, customer behavior, and traffic. Using analytics, businesses can improve their strategies and grow faster.

7. Challenges and Future Scope
Challenges faced by e-commerce platforms include:
- Managing mobile users properly
- Handling huge amounts of data
- Keeping transactions secure
In the future, AI tools like chatbots, recommendation engines, and smart automation will make online shopping even better.

III. METHODOLOGY

The system is divided into two main modules:
Admin Panel:
- Dashboard: View total orders, products, users, and categories.
- Manage Items: Admin can add, update, and delete products.
- Manage Orders: Admin can accept or reject orders.
- Manage Categories: Create and manage product categories like Best Selling, Spicy Foods, etc.
- Manage Users: Add, update, and delete users.
- Login/Logout: Secure login and logout for Admin.

Customer Side:
- Home Page: Customers can browse products without logging in.
- View Products: Customers can view product descriptions, prices, and details.
- Checkout: Customers can add items to cart and place orders after logging in.
- Login/Logout: Customers must login to place orders and track them.

IV. EXPERIMENTAL RESULTS

The system was successfully tested. Admins could easily manage products, categories, and customer orders. Customers were able to register, browse products, add items to the cart, and track their order status. The design was simple and user-friendly, even for first-time users.

I. RESULTS AND DISCUSSIONS

This website has two modules namely, Admin and Users. Admin has authority to add organic food list on the website, view products uploaded, view customers and view the customer's order. Customers can register and login using

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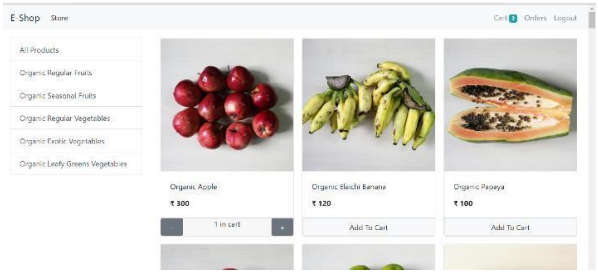
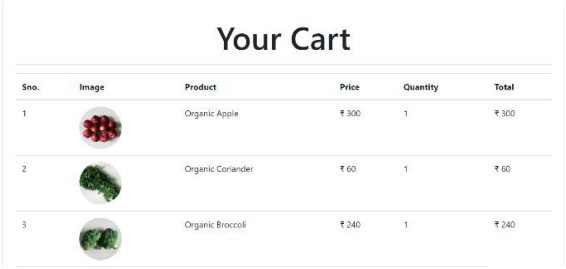
credentials. Users has authority to view products, desire products and can add to cart and do payment for it, they can view their previous order history and also can track their order.

User module:

Screenshot 1: Homepage

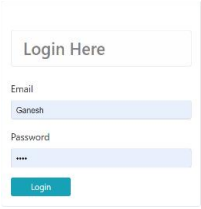


Screenshot 2: Products page



Screenshot 3: Cart page

Screenshot 4: Order page



Screenshot 6:Signup page

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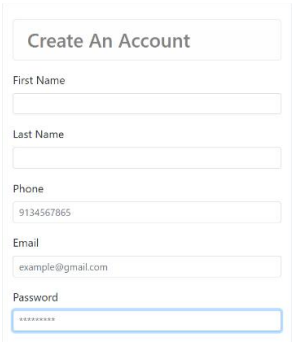
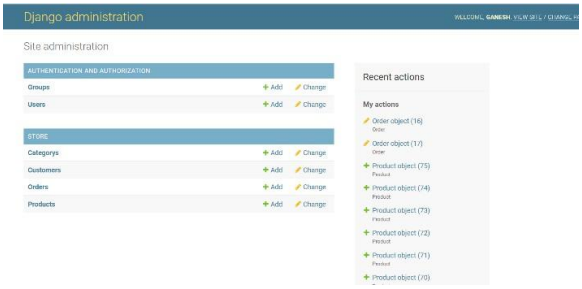
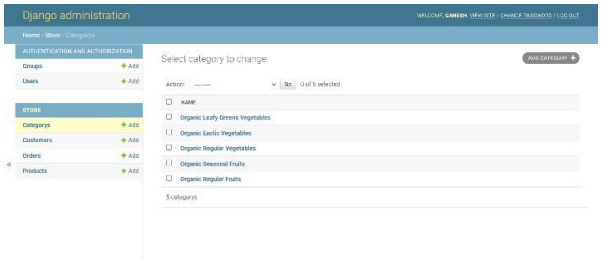


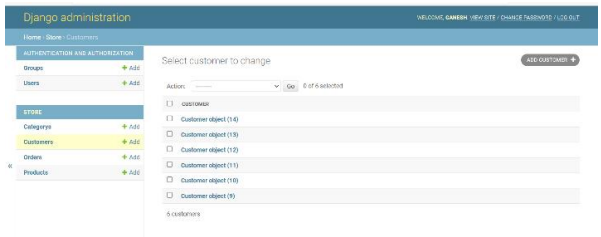
Admin module:



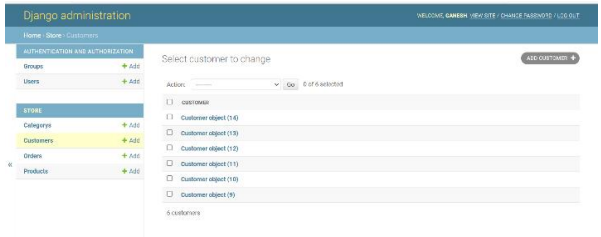
Screenshot7: Admin page



Screenshot8: Categorys of products



Screenshot 9: Custmers Information



Screenshot 10: Orders Information

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V. CONCLUSION

This project is a low-cost, easy-to-use solution for managing an organic food store online. The website makes it easy for users to search for products, place orders, and track them. Admins can add new products and manage orders easily through the dashboard. By moving the shopping experience online, we save users' time and make organic food more accessible.

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