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# An Efficient Application for E-Commerce System Using Razorpay Gateway

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*Abstract* - **Mobile apps have brough tremendous impact to business social and lifestyle in recent years various app markets offer a wide range of apps for entertainment business, health care and social life. But we cannot buy the product Through mobile apps or website so to fix this problem. To develop the mobile apps and website for commerce. And there is many websites and app like Flipkart and Amazon but they use old technology like PHP. An Efficient Application for E-commerce System using Razorpay Gateway is developed as proposed method. An Efficient Application for E-commerce System using Razorpay Gateway is mobile application and website are developed by the latest open-source technologies like Ubuntu OS ODOO, REACT JS, Razorpay and Two factor. This application is used for buy the any product in online website or mobile application.**

*Index Terms* - **Razorpay Gateway, ODOO, REACT JS.**

## I. INTRODUCTION

E commerce is the future of business operations as the world is shifting to a new online shopping methodology with advancements in technologies and telecommunications facilities. The Odoo ecommerce application which can be accessible from the platform will allow the users to conduct the online sales operations parallel with the conventional ways of business operations being established. As the Odoo platform operates integrated with the other aspects of business and company operations the data available in each module is shared in real time. This would allow the users to maintain the real time inventory data to be displayed in the ecommerce website of the company.

## II. SYSTEM STUDY

### *EXISTING SYSTEM:*

Who knew that shopping online within just a few clicks would be easier than preparing a cup of tea. Ecommerce has become a mediocre thing in the last decade when people are buying their regular groceries or precious gadgets online. Creating an online ecommerce site has also become easier when you find a top-notch ecommerce development company like Emizentech.

In fact, now an ecommerce store is not more about getting stabilize but rather about adapting to the evolving changes, customer requirements to stay competitive among other businesses in the industry. Developing an ecommerce store has now become a cakewalk, as you need to hire the best ecommerce developers, however, managing ecommerce business is may be difficult in addition to software for an internal business application.

### *DRAWBACKS OF EXISTING SYSTEM:*

- Lack of availability in towns & cities
- High cost of shipping charges
- High product value
- Fake images are shown
- Low product quality

### *PROPOSED SYSTEM:*

An Efficient Application For E-commerce System using Razorpay Gateway is highly flexible, cloud-based, and

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easy to operate. It is fully open-source and available in the market with hundreds of modules for medium and small size businesses., you can get a lot of benefits as it will automate your business processes at one central location

## III. DESCRIPTION OF MODULES

The Proposed system contains the following modules:

- User Module.
- Product Module.
- Sale order Module.
- Inventory Module.
- Payment Module

***User Module:***

This module stores the information about user and we assign the role for their users there are seven types of roles.

- System Admin
- Management
- Customer Care Officer
- Product Manager
- Sales Lead
- Delivery Man
- End Customer

***Product Module:***

This module we can add the product for customer and maintain the stock for product and we can define amount for product. This module main objective for the store the information of product

***Sale Order Module:***

This module when customer order the product that details directly come to Sale Order Module. we can track the payment status and order status. there are five order status

- Order Placed
- Order Confirmed
- Order Packed
- Order Shipped
- Order Delivered

***Inventory Module:***

The inventory module is the complete manifestation of the warehouse management operations in a business offering dedicated and well-defined solutions for comprehensive and effective business management. The Indefinite capabilities of the Inventory module make it the best solution for the business and its inventory operations.

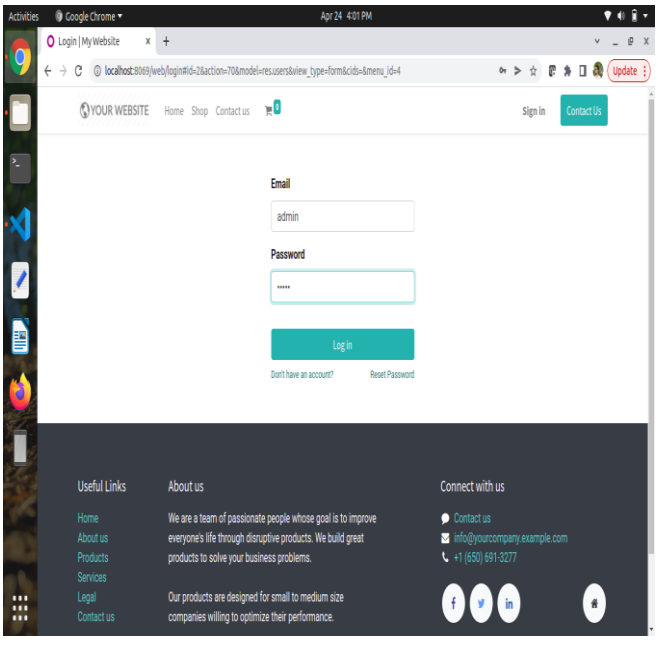
Define product storage locations for the products, which will help with the product storage aspects. Effective product tracking functionality with the help of Lot and Serial numbers, which can be defined on each of the products being stored. Complete control over the product movement aspects with the capability to define custom rules and operation routes. Each of the product movement aspects can be monitored with the help of rightful product tracking, which is possible only with the definition of the Lots and Serial numbers. Define product expiry dates which will help with the product removal in the case of edible products. Moreover, the product removal strategies can be defined based on First In First Out, Last In Last Out, and based on the expiry date on the products.

***Payment Module:***

This module helps to store the information about payment for order. Using the Order Id we track the payment is completed or not.

## IV. OUTPUT SCREENS

### Login Form



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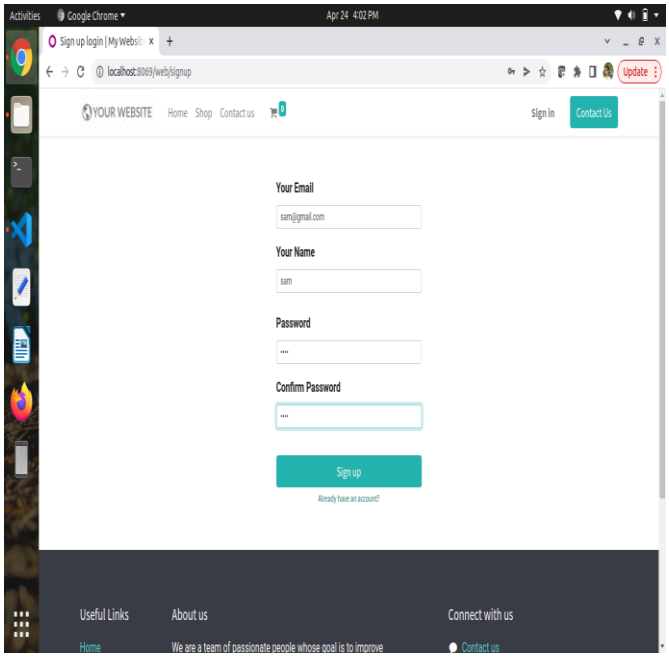
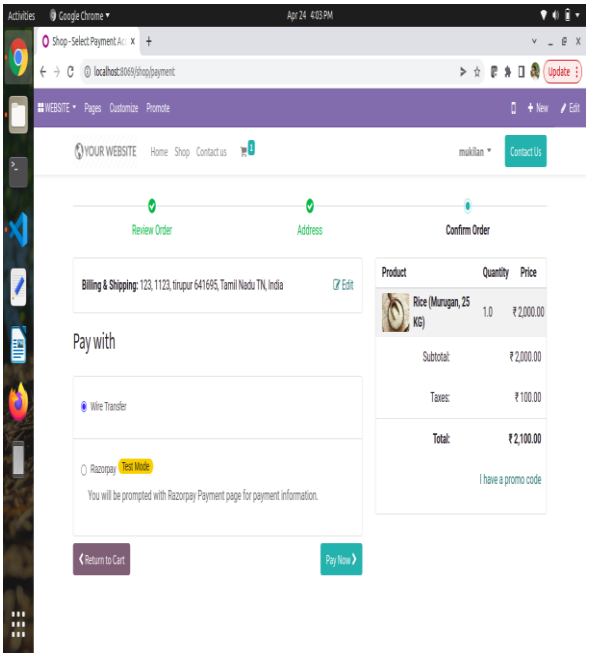
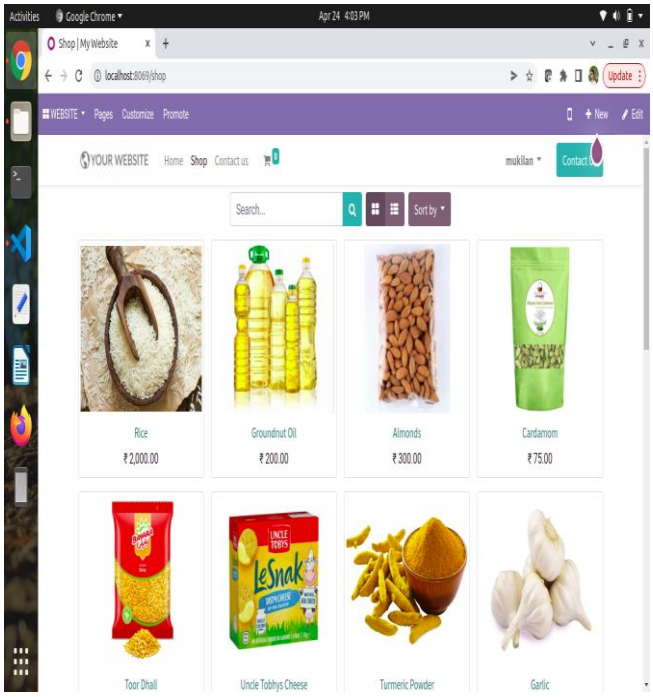
**Registration Form**




**Payment Page**




**Shopping Page**




## V. CONCLUSION

The system developed to use old Technology like PHP in the existing system. This system used latest technology like Odoo ReactNative RazorpayGateway. The application is developed successfully and implemented. This system seems to be working fine and successful. The system provides proper training to the user with a set of test input. Using the Razorpay Gateway easy for making payment and easily the track the payment for the order.

## V. SCOPE FOR FUTURE ENHANCEMENTS

The world of computer is not static it is always subject to change. The technology today will become outdated very next day. To keep abstract of the technological improvements the system need refinements so it is concluded, it will be improved for further enhancements whenever the user needs an additional feature into it. Based on the pitfalls mentioned in the previous section, a list of suggestion are for further development:

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- The code should be optimized to improve the efficiency.
- Security should be introduced to the system so that all images file are kept in secret location and general user and administrator have different levels of authority to access.
- The system will be working in all kinds of platforms.
- Add payments for mobile.

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