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Vyntra Mart - An Ecommerce Application for Clothing

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ABSTRACT: Vyntra mart is an e-commerce application for clothing. This application consists of an E-cart to view, research about the products and purchase it. The online payment for the purchased product is done through different payment gateways including PayPal support. The ordered products are then managed and the status of the product has been tracked. The admin interface used for user and product management. The secured mechanisms are used for authentication of user accounts either by users Facebook account or the account of the application itself. In this website we have basically 2 modules. The first module includes the customer module and second module includes admin module. The customers have to register in the application. The registered customer can view details of products and can buy or sell the products. The customer have to pay and will get the delivery. The admin module contains the access of admin page on the website. The admin can change everything in the website. He have the ability to add, delete, and update any information regarding the products.

KEYWORDS: Ecommerce application, E-cart, Online payment, admin and customer module, authentication.

I.INTRODUCTION

VYNTRA MART is useful in the way that it makes an easier way to buy and sell clothes online. The companies that sell Trendy clothes have their most of the sales comes through ecommerce applications that has very high search engine rankings. This application is planned to re-engineer the ecommerce website since it is currently experiencing some serious scalability issues. Our top priority in this re-engineering effort is the performance and user experience. We are planning to launch a new e-commerce mobile app as part of this re-engineering effort. In addition to this, we need to add a good recommendation engine to both web and mobile apps to improve the sales through online shopping.

II.BASIC MODULES

1. e-Cart
2. Order Management & Status tracking
3. Admin Interface
4. Payment Gateway
5. Secured authentication mechanism
6. Tax Calculations

III.TECHNOLOGY STACK

Creating a web site requires multiple steps which includes the following: Creating a User interface, Server side implementation and Creating a backend or the database.
The presentation layer consists of following technologies:
• Angular
• Html/typescript
• Bootstrap
• Css/saas
Technologies used in the server side implementation are the following:
• Spring Boot

• Spring Rest Controller
• Spring Security
• Spring AOP
• Spring Hibernate or JPA

Technology used for database

• Mysql

I.

IV.SYSTEM DESIGN

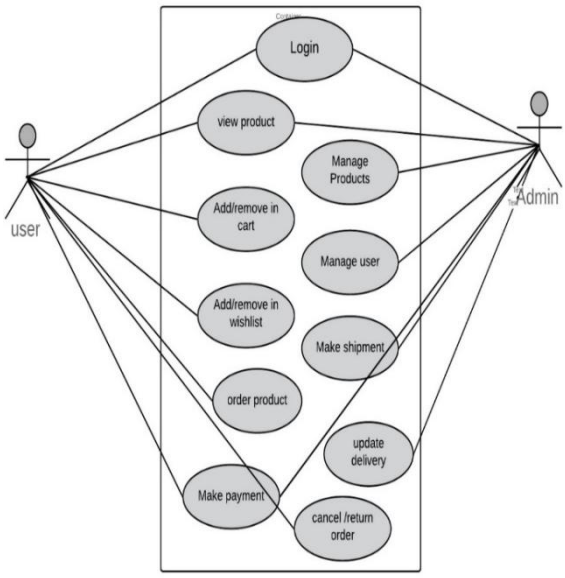

Figure 1: Use case diagram

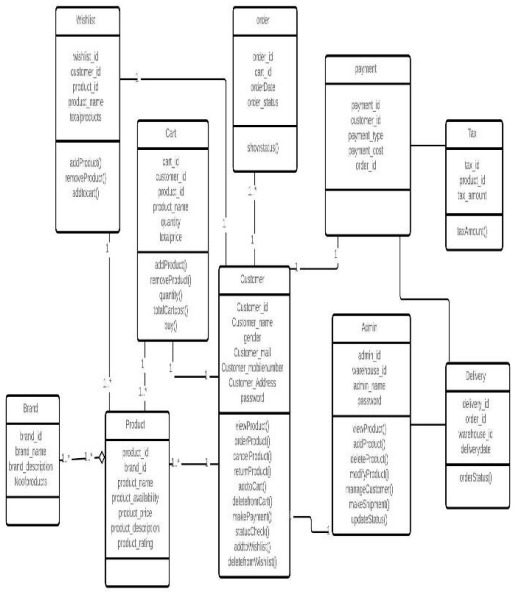

Figure 2: ER diagram

Figure 3: Database table

IV.RESULTS AND DISCUSSION

Figure 4: Signup page

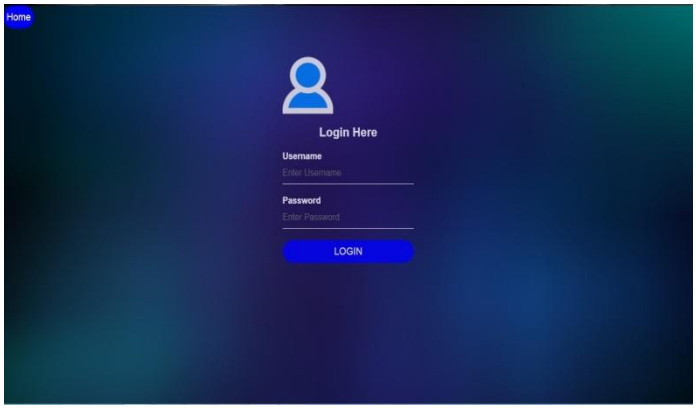

Figure 5: Login page

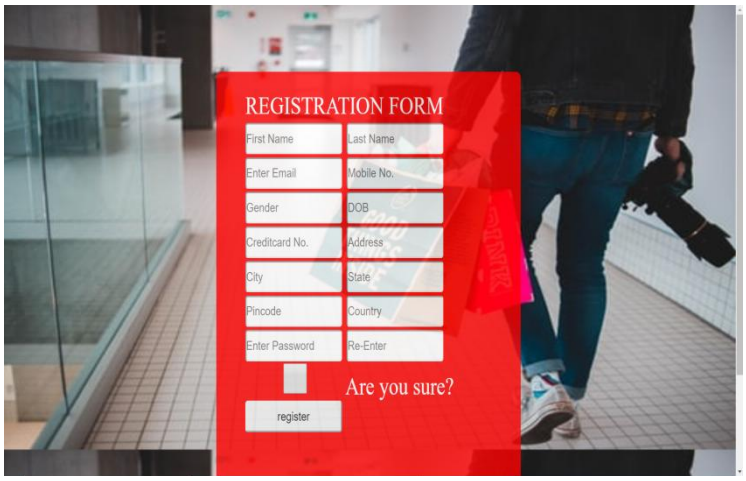

Figure 6: User registration page

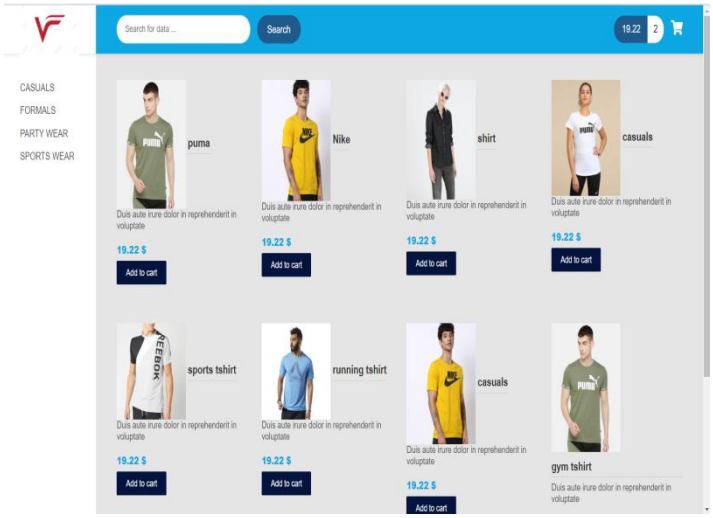

Figure 7: Home page

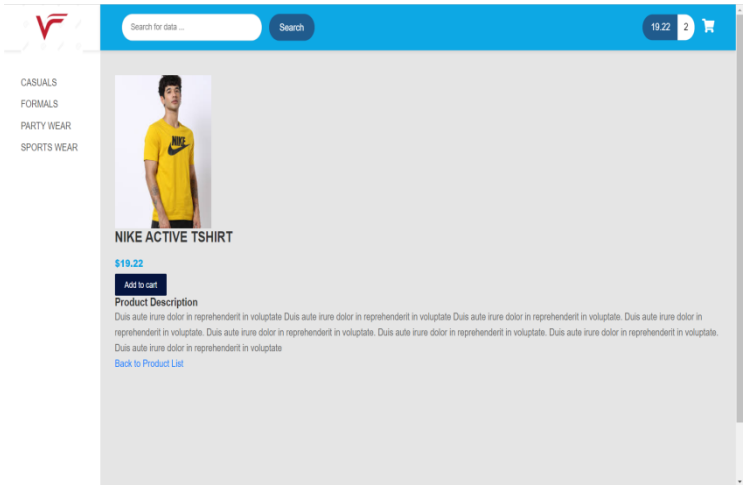

Figure 8: Product specification page

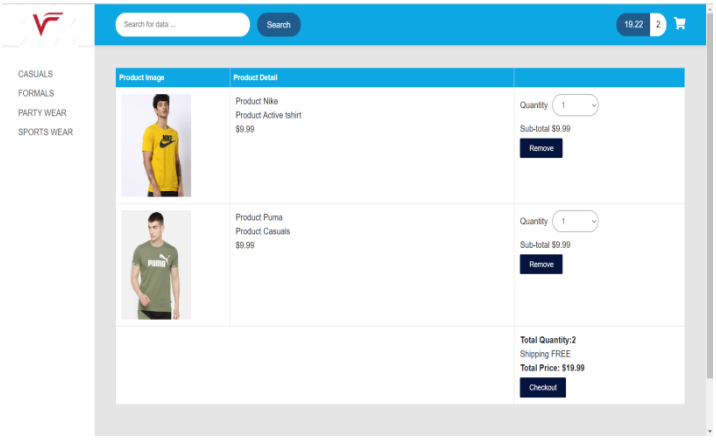

Figure 9: Shopping details

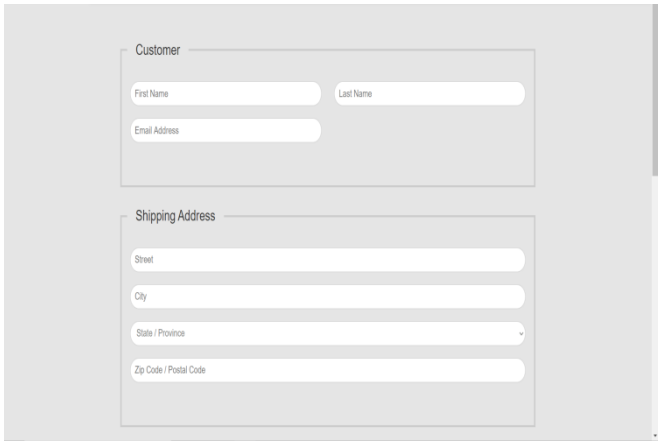

Figure 10: Checkout page

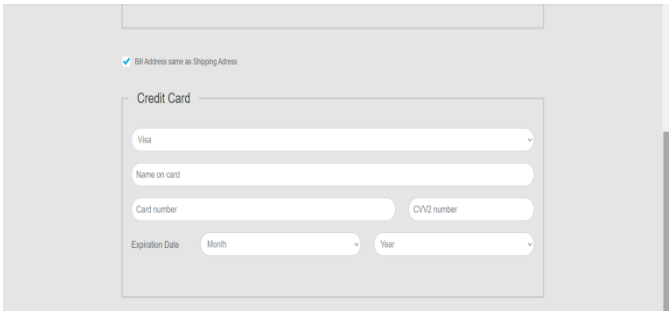

Figure 11: Payment page

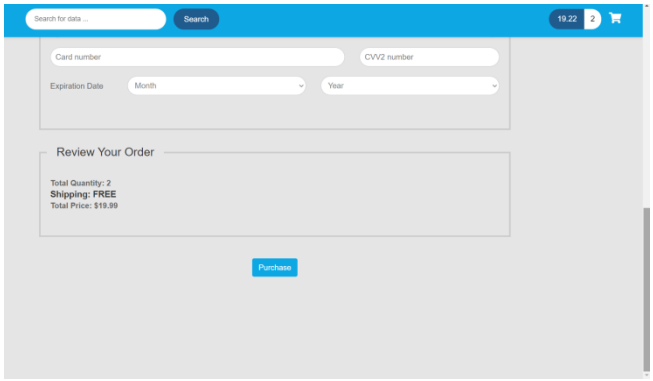

Figure 12: Review order page

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V.CONCLUSION

Wehavesuccessfullycompletedthewebsite‘Vyntra mart’.Withthehelpofvarioustools and platforms, we have been able to launch a website which will be in use soon and running on theweb. Wehavebeensuccessfulinourattempttotakecareoftheneedsofuser, seller and admin. we hope that this project will go a long way inpopularizing.

VI.FUTURE SCOPE

In the project Vyntra mart, the future enhancements are the following:

- We enable the users to track and buy products from sellers nearer to their location for faster delivery by reduced shipping time and low cost.
- Enable seller and user to use the single application.
- Share the products in the social media through website.
- Chat box for queries by the user.

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