

# Developing an E-Commerce application.

**Shubham Baban Borate,  
Shraddha Prakash Bankar,  
Harshada Dinkar Borkar,  
Sarika Kisan Shinde  
And  
Prof. S. K. Korde Sir**

<sup>1</sup>Department of Computer Engineering, Pravara Rural Engineering College, Loni

<sup>2</sup>Department of Computer Engineering, Pravara Rural Engineering College, Loni

<sup>3</sup>Department of Computer Engineering, Pravara Rural Engineering College, Loni

<sup>4</sup>Department of Computer Engineering, Pravara Rural Engineering College, Loni,

<sup>5</sup>Department of Computer Engineering, Pravara Rural Engineering College, Loni

## ABSTRACT:-

*In this era of internet, e-commerce is growing by leaps and bounds keeping the growth of brick-and mortar businesses in the dust. In many cases, brick-and-mortar businesses are resorting to having a counterpart Which is internet or e-commerce driven. People in the developed world and a growing number of people in the Developing world now use e commerce websites on a daily basis to make their everyday purchases. Still the Proliferation of e-commerce in the under developed world is not that great and there is a lot to desire for. This Paper outlines different aspects of developing an e commerce website and the optimum solution to the challenges Involved in developing one. It consists of the planning process, which starts with determining the use case, domain Modeling and architectural pattern of the web application. The entire development process is primarily divided Into two parts: the front- end development and the back end development. The database design is also discussed With an emphasis on its relational connectivity. This no-nonsense method of developing an e-commerce website Can be easily replicated and followed in developing e-commerce websites in the developing and under developed Countries where computing resources are scarce and expensive because of their socio-economic condition .perform Free online registration. Can search a specific product of his/her interest. Can order online the payment method is Currently the “Cash on delivery” method.*

**Keywords:-** Domain modeling, e-commerce, model view Controller, object orientation, programming,; online shop

## 1. INTRODUCTION

Electronic commerce or e- commerce refers to a wide range of online business activities for products and services. It is usually associated with online buying and selling over the Internet or conducting any transaction involving the transfer of ownership or rights to use goods or services through a computer mediated network. In our eyes we see it as a new dimension to the varied use of the internet and our purpose is to make it trendy in our country where its use is particularly very low. Because of the high context culture it is very important to develop trust among the people interested in a transaction. E- commerce in Bangladesh actually started in the year of 1999 based in USA with some non-resident Bangladeshis. Our motto is to develop an enriched e commerce

## 2.SCOPING AND PLANNING

This phase focuses on the planning of the project’s overall direction ,including the definition of the project scope, objectives, and timelines .The deliverable from this phase is this Design

### 2.1 Plan Conceptual design and research:-

In this phase, the conceptual design of the methodology is developed and research on existing methodologies is conducted. Research is performed from independent research firms, such as the Gartner Group, Forrester Research, and CIO.com. These research firms sometimes publish the methodologies that consulting firms use. Consulting firms' websites are another source for researching E-commerce strategy methodologies.

### 3. DEVELOPMENT OF METHODOLOGY

The actual methodology is developed in this phase. Detailed descriptions of each task in the methodology are documented, including the objectives, inputs, approach, relevant models, applicable tools and techniques, outputs, and any references. The methodology is to be documented in an appropriate format, be it a Word document or HTML pages.

#### 3.1 Project Description:-

For consulting firms to effectively develop E-Commerce strategies for its clients, it must have a structured methodology custom made for this type of project. As with any methodology, however, this E-Commerce strategy methodology will require constant refinement to incorporate new experiences and to keep pace with change. Thus, this project aims to develop the first version of an E-Commerce strategy methodology, implement the methodology for a client, and make any necessary revisions to the methodology subsequent to the client project.

#### 3.2 Implementation of methodology:-

The methodology will be implemented with a client. This phase includes the marketing of E-commerce strategy development services and the closing of the sale.

#### 3.3 Revision of methodology :-

Final touches and revisions to the methodology are made in this phase. The majority of these revisions come from experiences on the client project. Sample reports and any additional references are added to the methodology. through machine learning. The results of the search engines were use.

#### 3.4 Conceptual design and research

In this phase, the conceptual design of the methodology is developed and research on existing methodologies is conducted. Research is performed from independent research firms, such as the Gartner Group, Forrester Research, and CIO.com. These research firms sometimes publish the methodologies that consulting firms use. Consulting firms' websites are another source for researching E-commerce strategy methodologies.

### 4. MODELS

#### 4.1 Registration Model :-

In this model, when we open the website first we have to register or we have to create our account on that website by using required necessary information. Once we create the account who on server site they decided where the user is normal user or admin user. After registration you are able to do login in to that website.

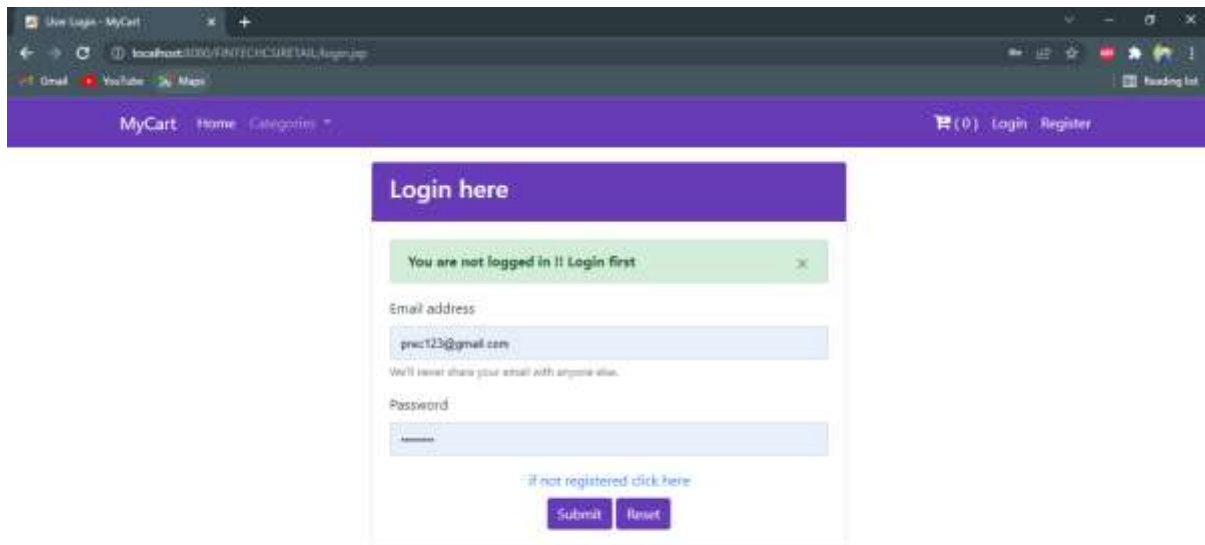


Figure 1 : Registration Model

**4.2 Admin Model :-**

In this Model only admin can log in, admin has the power of add new category, new items, prize of the product, discount on that product, he can able to see how many products are there ,how many users are there he also delete the product from the list.

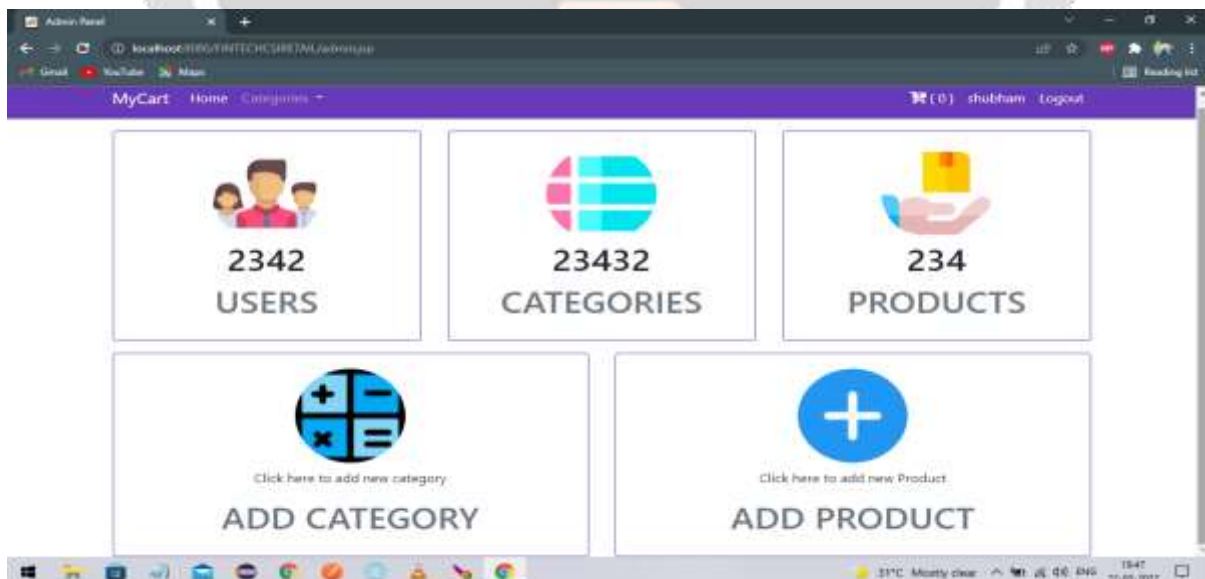


Figure 2 : Admin Model

**4.3 User Model :-**

After login user are redirected to the user model, here user are able to see different products are available on site . User are able to add product in cart and purchase product by paying its prize

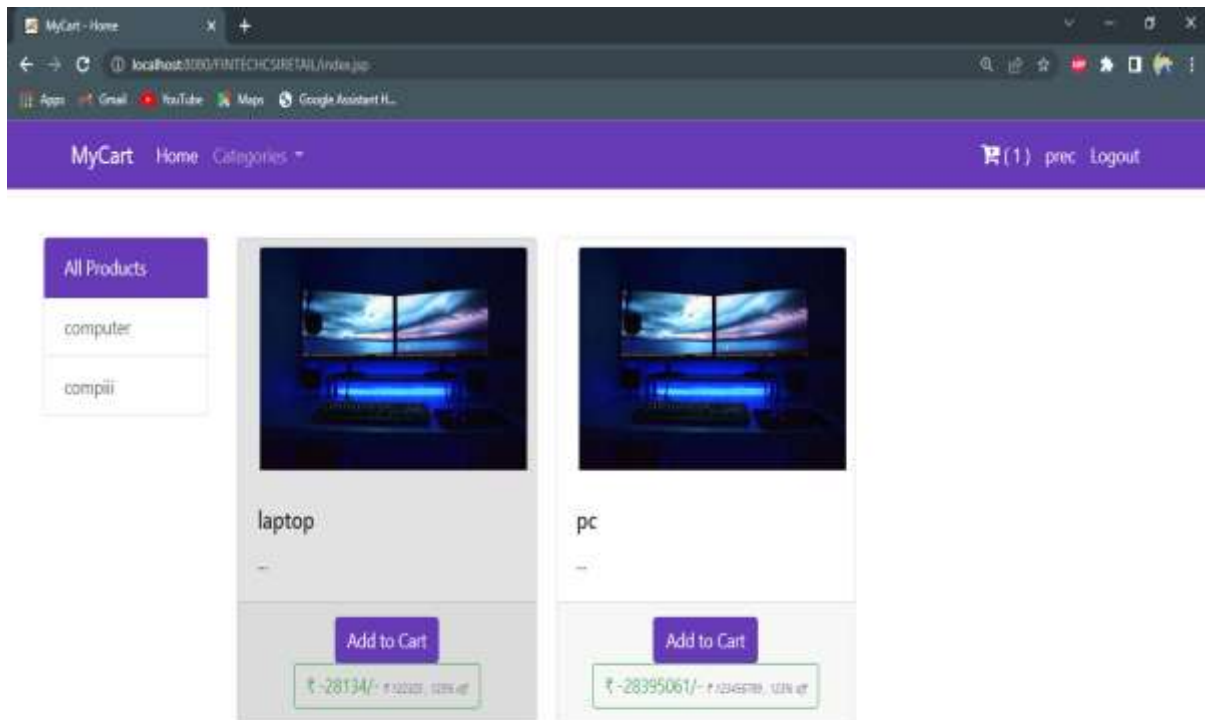


Figure 3 : User Model

4.4 Database Model:-

In this model all the data of the site store , how many users are there, how many admin are there, how many products and its prize are available etc.

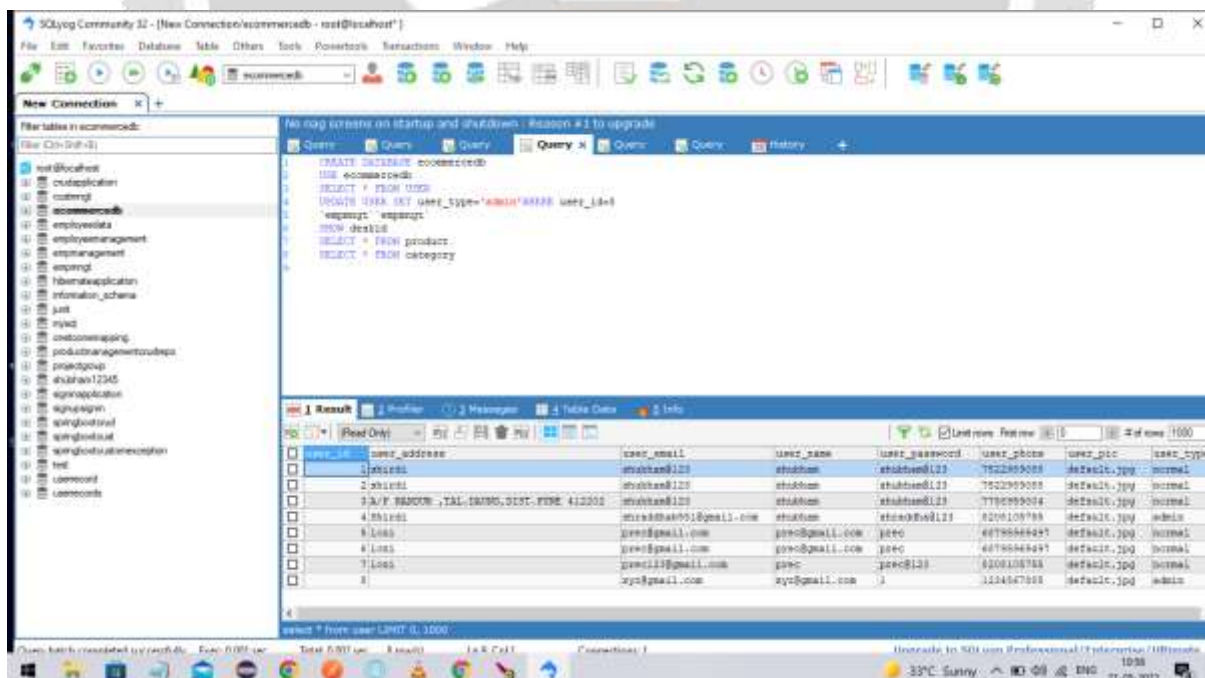


Figure 4 : Database Model

5. CONCLUSION

E-Commerce is not an IT issue but a whole business undertaking. Companies that use it as a reason for completely re-designing their business processes are likely to reap the greatest benefits. Moreover, E-Commerce

is a helpful technology that gives the consumer access to business and companies all over the world.

## 6. REFERENCES

- Awais Muhammad and Samin Tanzila (2012), "Advanced SWOT Analysis of E- Commerce", IJCSI International Journal of
- Blasio,G.,D. (2008), "Urban–Rural Differences in Internet Usage, e- Commerce, and e- Banking: Evidence from Italy", *Growth and Change*, 39.2 , pp. 341–367
- Chanana Nisha and Goele Sangeeta, "Future of e-commerce in India", International Journal of Computing & Business Research, ISSN (Online): 2229-6166
- Chou,D.,C. and Chou,A.,Y. (2000), "The E-Commerce Revolution, A Guide to the Internet Revolution in Banking" *information systems management*,pp.51-57
- D'silva,B., D'Silva,S., and Bhuptani,R.,S.,K.(2010), "Behavioral Aspect of Teenagers Towards Internet Banking: An empirical study", *Indian journal of marketing*, 40.10, pp.44-53
- Devashis pujari (2004) "Self-service with a smile?: Self-service technology (SST) encounters among Canadian business-to-business", International Journal of Service Industry Management, Vol. 15 Iss: 2, pp.200 - 219
- Dutta and Dutta (2009) "A Study on Customer Perception towardsHDFC Limited" International Journal of Management Sciences and Business Research Volume 2, Issue 4- ISSN (2226-8235)
- Hsieh,C. (2005), "Implementing Self-Service Technology To Gain Competitive Advantages" *Communications of the IIMA*,5.1,pp.77-83
- India to surpass US with 402 million Internet by 2016: IAMAI,(2015,Nov. 20) The Indian Express. Retrieved from <http://indianexpress.com/article/technology/tech-news-technology/india-to-have-402-mn-internet-users-by-dec-2015-will-surpass>