

WEB BASED AREA WISE DISCOUNT FINDER

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This Report Presented in Partial Fulfillment of the Requirements for the Degree of
Bachelor of Science in Computer Science and Engineering

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APPROVAL

Our Project titled Web-based area wise discount finder, submitted by **Sazzad Hossain**, ID No: 161-15-7412 & **Sheikh Sahjalal**, ID No:161-15-7172 to the Department of Computer Science and Engineering, Daffodil International University has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of B.Sc. in Computer Science and Engineering and approved as to its style and contents. The presentation has been held on 05 December 2019.

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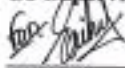
We hereby declare that this project has been done by us under the supervision of **Dewan Mamun Raza, Lecturer, Department of CSE** Daffodil International University. We also declare that neither this project nor any part of this project has been submitted elsewhere for award of any degree or diploma.

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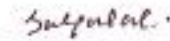
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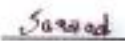


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ABSTRACT

Areawise discount finder is a web-based project. Moreover, a web-based system is very familiar nowadays. My offer BD helps people to find out the discount on foods, clothes and various items respect to their area. It is more likely a friendly site. This site is developed by PHP with the Laravel framework. It has a user-friendly interface. There are generally three user roles in this site. Admin can control the whole system except agent shop and agent product. Admin can add/remove area, create/remove category, add/remove agent in system, give permission to the user. Agent can create/remove his/her shop, create product category. One agent can create a maximum of three shops. And the user only can use the system. So this site is built for all buyers and customers.

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CHAPTER 1

INTRODUCTION

1.1 Introduction

Areawise discount finder web-based project where users can get offers in their current location. It has three phases. 1.Admin 2.User 3.Agent.Admin can create/remove an area, location, add/remove agent and control everything except agent's shop, product. Agents can create/remove shop, product. Users can only use the site. Shopkeeper can request to be an agent to add their shop. This site is developed by PHP with the Laravel framework. Laravel is a popular open-source framework for the development of web applications.

1.2 Objectives

There are many online sites which provide offers to a customer for their own shop. But our website is multi-vendor. Here, every shop will provide offers, & we will give the user to choose the best offer from them. And the seller can also promote their product through this site.

- Developing a user-friendly online offer site in Bangladesh
- We gather an offer /discount product from various shop in one place
- People can easily find the necessary product.
- Seller can promote their product discount/offer through this site.

1.3 Motivation

This is the age of Information technology. People are becoming smarter day by day. Nowadays people much more depending on the online website, mobile applications or other technology. So building this kind of thing for the people who want to find discount different items in place. There are many website which shows multiple shops and discounts. But people can't get the best choice instantly. They have to surf on the website to select their desired offer. But on our website, we will show a multivendor offer among them. We will generate the best offer and show the customer their desired outcome. The customer won't need to surf for a long time. This site helps people to find the best discount/offer information on their product in one place. Our site motivates both sellers and buyers to find the best product and this site is very user-friendly.

1.4 Expected Outcome:

A discount/offer is very interesting for the shopping lover people. For those people who want to find various product discounts in one place, this site is made for them. So the expected outcome of this project is:

- Site will be very user-friendly
- Buyers & Seller both will be helpful for this site
- This site can help to make our country digital Bangladesh
- Sellers can promote their shop through this site

CHAPTER 2

BACKGROUND ANALYSIS

2.1 Introduction

We have seen websites with different vendors with different offers. But we haven't found any website which shows the offers for the same product in every vendor. Our site makes a relation between buyers and sellers to find the best product in their respective choice and place. This site gives new sellers the opportunity to develop their business products. People can find their products with the best price through this site.. because they can compare their product price through this site.

2.2 Related Work

There are few websites available in Bangladesh like offerzonebd, groom gorom, dealbazaar. They all are very popular online site. These websites show offers but they can't show all the offers for the same product. And our site is very user-friendly. So our work is totally different work

There are some discount finder website we can describe how it works

OFFERZONEBD

This website shows all the offers from all the registered vendors but they can't show the offer of a single product for every vendor. And there was no time period graph for the product. So people don't know about the deadline of the product offer.

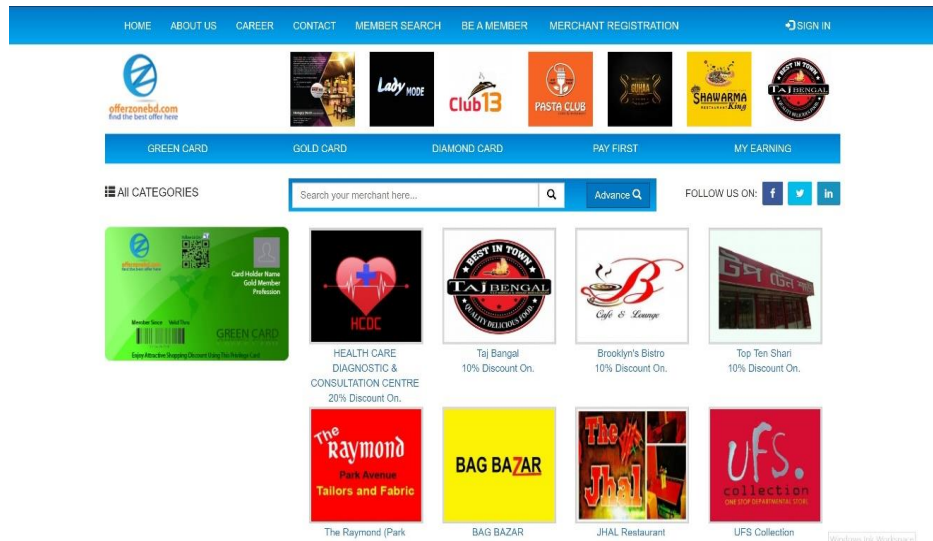


Figure 2.1.1: Screen Shot of Offerzonebd interface

Analysis of Offerzonebd

To get the offers customer has to search for the specific product in every possible vendors. Customers can get the desired product offer from all vendors at a time.

GOROM GOROM

This website updates a new offer for every vendor. They also show the user rating. But there was no time graph to find the validity of the offer time. They have no subscriber options for the new businessman or seller.

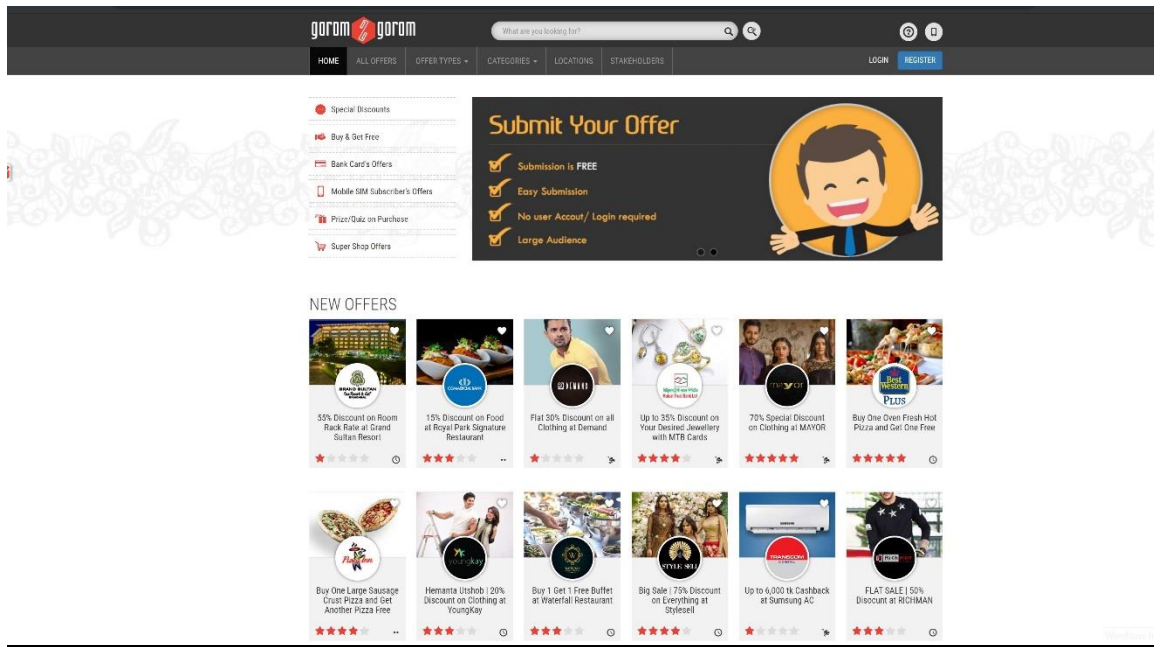


Figure 2.1.2: Screenshot of Gorom Gorom interface

Analysis of Gorom Gorom

To get the offers customer has to search for the specific product in every possible vendor. Customers can get the desired product offer from all vendors at a time. Vendors can submit their offers for free.

DEALBAZAAR

This website only shows the offer of electronic devices and a few clothes. No area selection options.

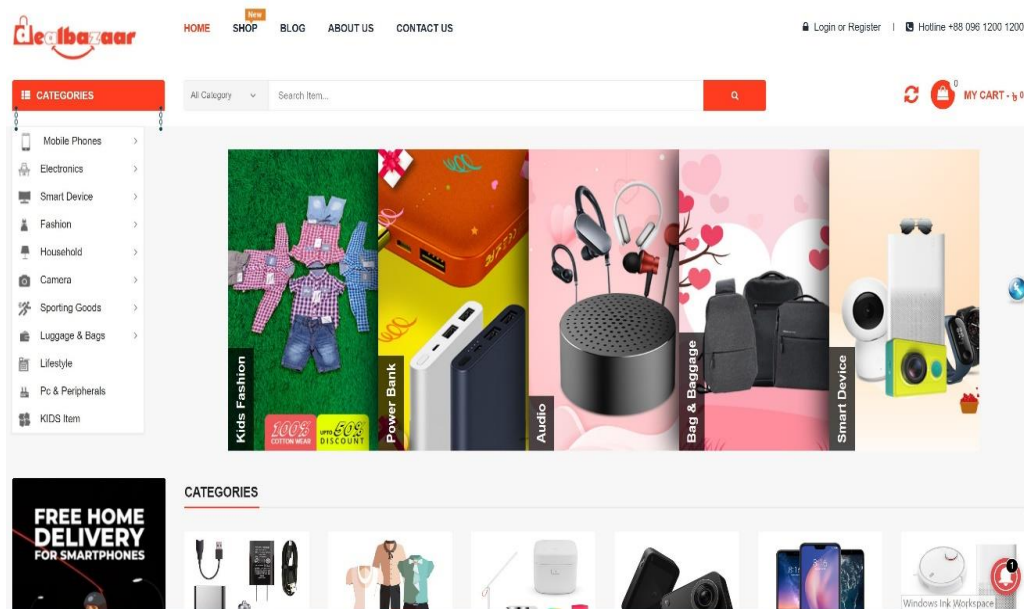


Figure 2.1.3: screenshot of Dealbazaar interface

Analysis of dealbazaar

To get the offers customer has to search for the specific product in every possible vendor. Customers can get the desired product offer from all vendors at a time. There have no time period, no area selection option.

OFFBD

This website shows all the offers from all the registered vendors but they can't show the offer of a single product for every vendor.

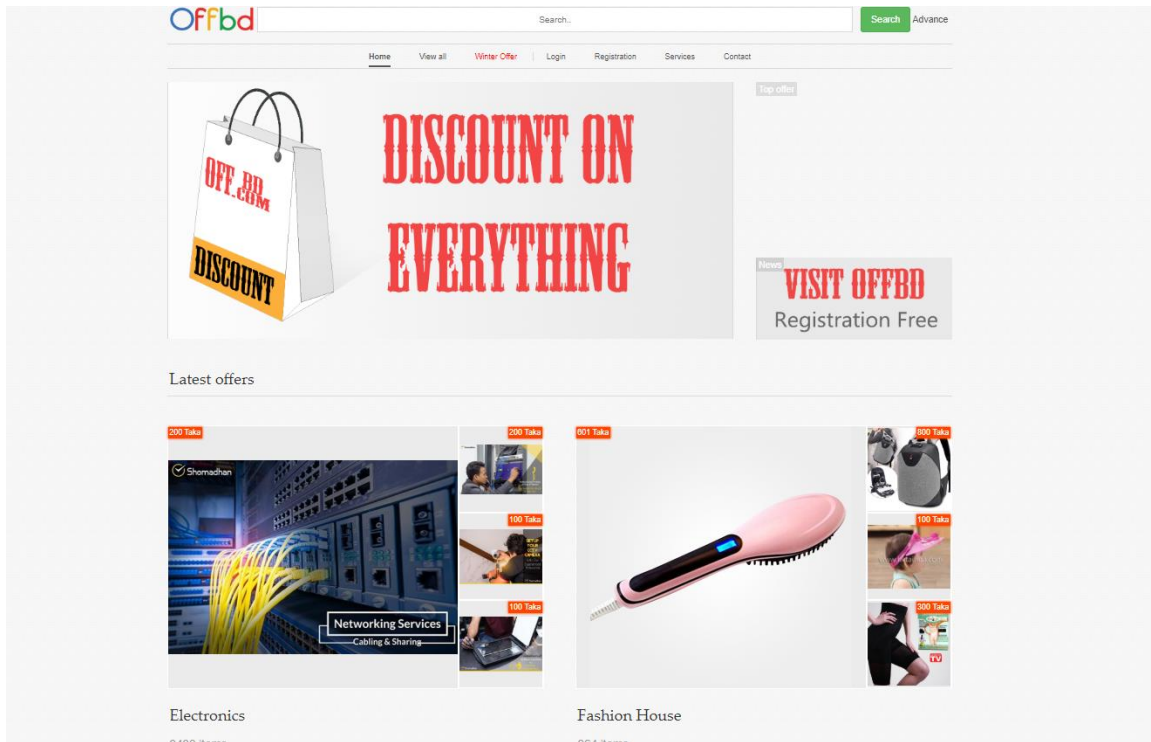


Figure 2.1.4: screenshot of Offbd interface

Analysis of offbd

To get the offers customer has to search for the specific product in every possible vendors. Customers can get the desired product offer from all vendors at a time.

2.3 CHALLENGES

There are so many challenges in this project because we had worked with many unknown platforms. Also, we are non-professional members of the project group. our challenges are

- We were only two members in this project. Both of us don't have high programming skills.
- Our project was not working properly every time. We were a little tensed but we took the challenge
- We worked on this project with PHP, Java script, My SQL, Bootstrap, CSS, HTML5, composer, and Laravel for framework. But we didn't have proper knowledge of these
- The deadline for the project was also a factor.
- We didn't have enough resources for this project.

CHAPTER 3

REQUIREMENT SPECIFICATION

3.1 REQUIREMENT ANALYSIS FOR MY OFFER BD

From the background analysis, we knew the requirement of my offer bd. In this site, we have three users. 1. Admin 2. Agent 3. Users. Admin can control the whole site. Admin can add admin, user, area, location, and Agent. An agent is a shopkeeper who can add their location to the product and time period of their product. User can log in and save their product offer time, offer information.

3.2 ER DIAGRAM

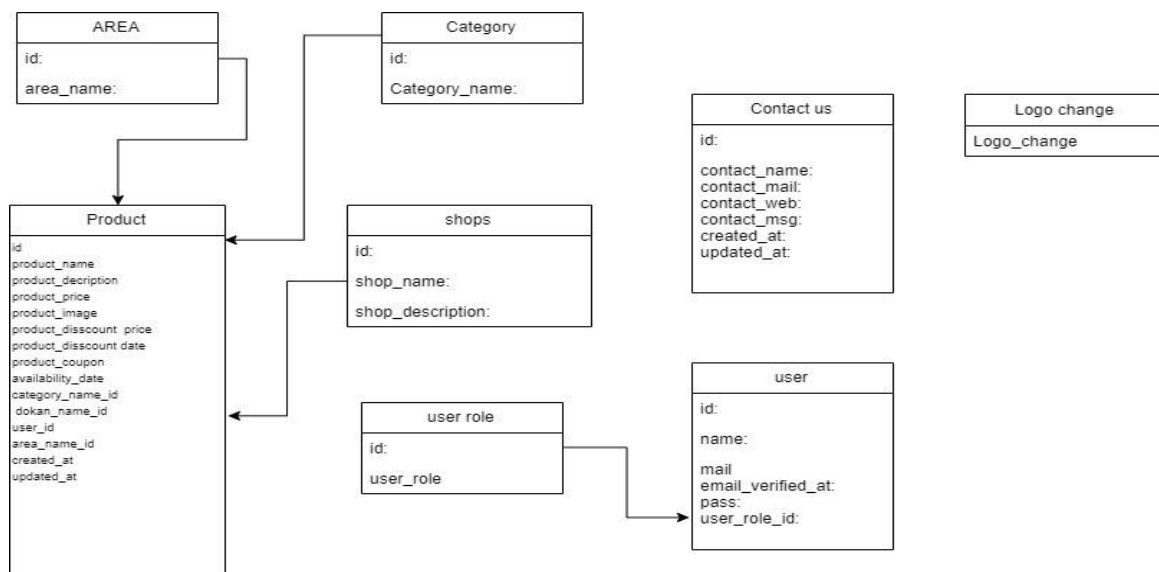


Figure 3.1.1: ER Diagram Modeling of our system

ER Diagram refers to the relationship between attribute and shows the activity of the attribute

3.3 USE CASE MODELING

Use case refers to the activity of the admin of my offer bd. The admin can control the whole system except shops and products. The agent can control those shops and products. And users can only use the system.

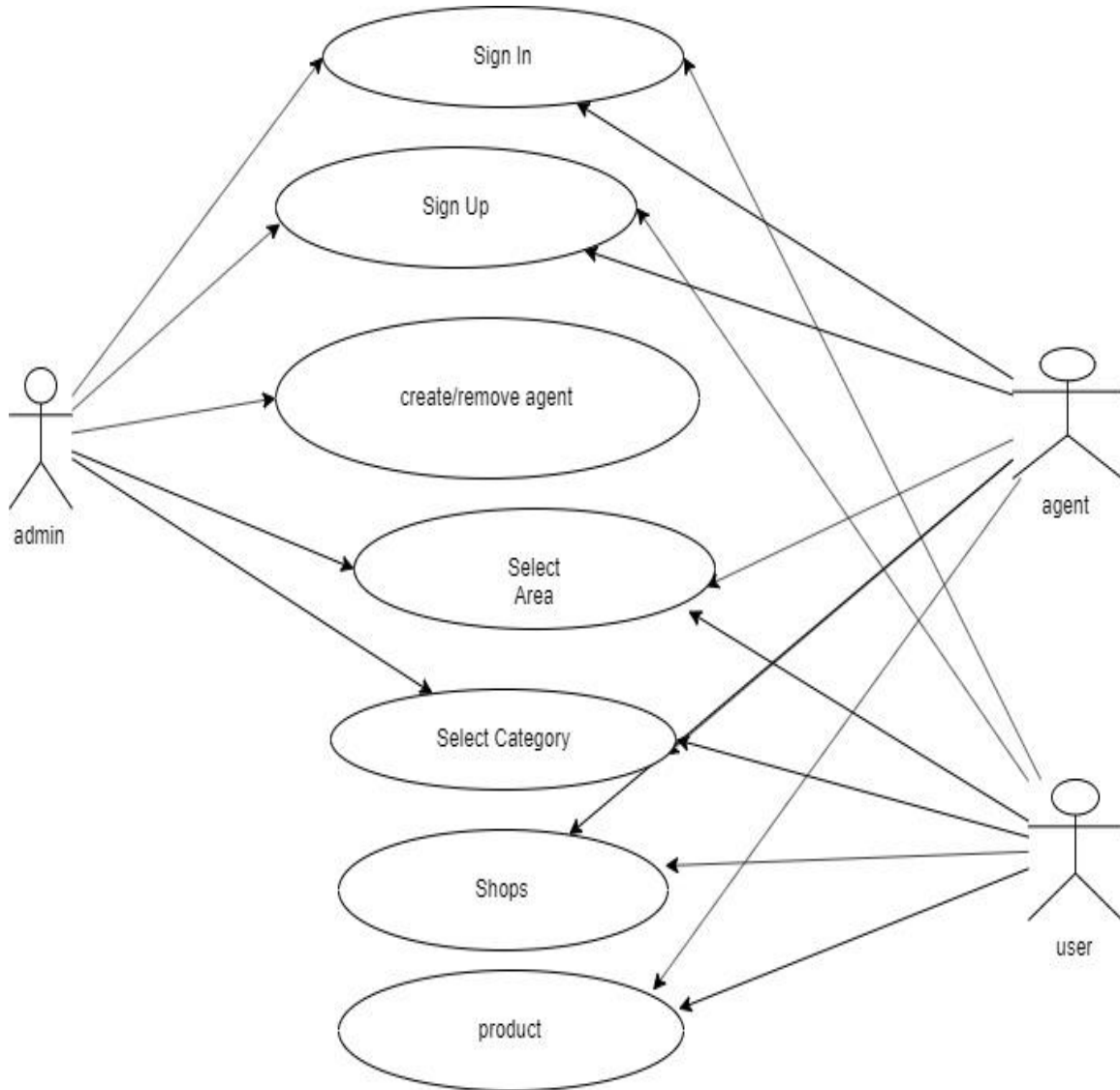


Figure:3.2.1:use-case Diagram of our system

CHAPTER 4

SYSTEM DESIGN AND IMPLEMENTATION

4.1 Development Methodology

Our proposed online website My offer BD covered all sorts of offers and discounts. This site can use any sort of user. Such as 1.Admin 2.Agent 3.User. When an admin logged in the system he/she can take access to the whole system. Agents can access shops, products, and areas. And the user can only see and use the site to save an offer item for the future.

In the front-end, it has a navigation bar where to exist home button, category option, area and login, registration option. In the back-end, it is used the database to store all system data.

In any software development, there are some rules to follow. In this development, methodology indicates that. First of all, we have to analyze the problem. Then make the design to create the software. At next we have to code and test the software if there is no bug we found we have to formalize the solution and maintain the program.

4.2 Website Design

For any kind of website their, some tools and language exist. Basically, HTML, CSS, Bootstrap, Laravel framework is very common for designing a website. For designing this website we also use some tools and frameworks like that.

Front-End Design

- HTML
- CSS
- Html Helper Method
- Javascript
- Bootstrap
- JQuery

Back-End Design

- Laravel
- PHP
- Javascript
- Bootstrap

Database Design

- PHPMysqlAdmin
- My SQL

CHAPTER 5

TESTING AND DISCUSSION

5.1 Testing

In this process, the whole system is investigated whether there is error or bugs in the system. We have tested our system in multiple ways. These processes are given below:

5.2 Usability Testing

Usability testing is a process where the user interface is easy to use or not. We have to create an easy interface that can control all kinds of people. So remove the bug that we face the first time we have to solve.

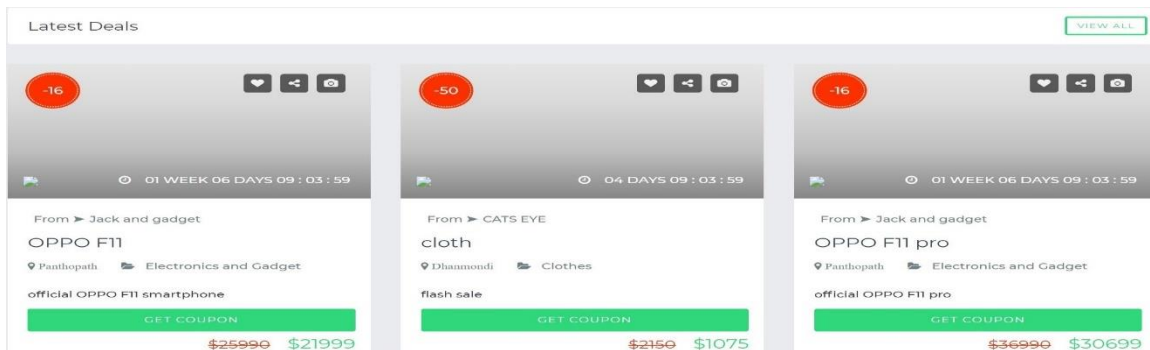


Figure 5.1.1 usability testing

First, we have uploaded the product picture but the picture didn't sync with the database. That's why that can't show the updated image.

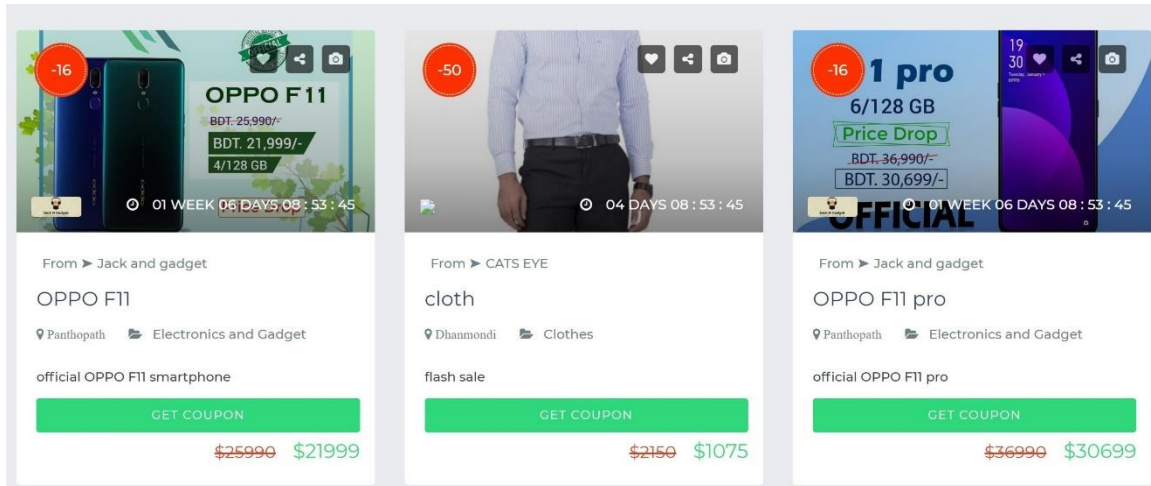


Figure 5.1.2 usability testing

We fixed the database bugs and the product pictures are visible.

CHAPTER 6

CONCLUSION AND FUTURE SCOPE

6.1 Discussion and Conclusion

Nowadays people are depended on the Internet. But they can want everything within a short time. Our website helps them to find out the discount on their expected product in their expected area. Who are starting their new business and wants the maximum reach of their area based customer, this website might help them.

6.2 Scope for further Development

Now on our website, there are very few options. But in the future, we will add many options like

- Review option
- Social media sharing option
- Premium membership
- Deep learning
- User reminder facility
- Sell and buy option through Bkash, Rocket
- Android app facility.

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