

What is Shop Expert?

It is a website that brings all the online pages of Bangladesh under one platform. Through this website customers can easily find their desired page as the pages are categorized here. As the pages are categorized here this website can be time efficient for the customers.

Features:

- Registered shops categorized under fashion, accessories, electronics etc.
- Special deals and sale promotions.
- Users can see the location availability of home delivery pick up point options.
- Newly added groups or shops will be featured and promoted by their deals.
- Users can add reviews on the services of the online shop owners.

Project goals:

Our idea is to bring all the online shopping groups under one roof. There are so many groups that people don't even know some of them. So from our website shop owners can get recognition. Our main purpose of developing this website are listed below:

- To make online shopping easier and less time consuming.
- To give page owners a platform to promote their pages.
- To make a virtual mall where pages/groups will be shops and will be categorized in different sections.
- It will be easier for owners and customers to interact.

Analysis:

- Page owners can register to the website.
- Customers can also register and login to our page.
- Customers can see a page's information in the page profile.
- Page owners can share their deals and offers.
- Customers can also see the offers.
- Customers can rate a page.
- Pages are categorized by the type of products they sell.
- User can search any pages by category type.

Project Feasibilities:

There are 3 types of feasibility which are to be analyzed.

Technical Feasibilities:

The technology required to build and run this application will be available & reliable. Technically proficient staff can be found to run the application. All software needed to develop this application are easily available. So this project is technically feasible.

As we will use HTML and CSS for better UI and MySQL as our database which will give us flexibility for storing information.

Economical Feasibilities:

This project can be completed within time. The other costs like hardware and software cost will not be exceeded during the development of this project. Costs like internet cost, programmer, debugger, tester cost etc. are included in the budget. The future cost like managing the website will not cross the estimated limit. Thus this project can be economically feasible.

Operational Feasibilities:

This website once developed can be easily used by general people. It not difficult to operate. This website will be user friendly and shop owners and customers can easily access it. It will be less time consuming for customers.

Gantt Chart of the Project:

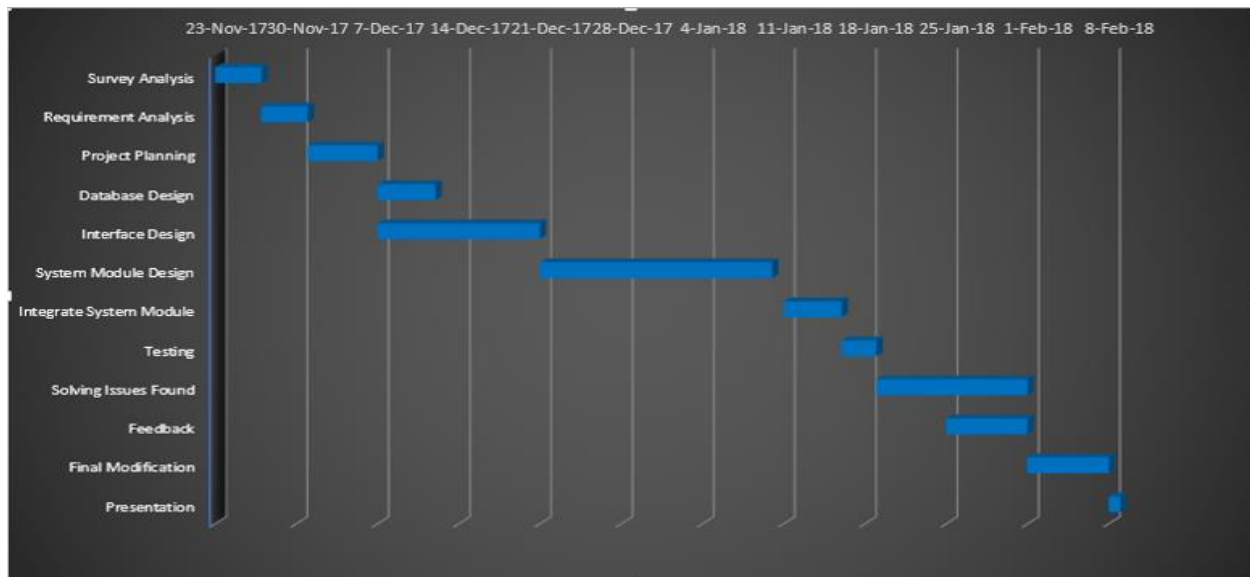


Fig: Gantt Chart

Questionnaires and Interview Pattern:

Type 1: Questions to online shop owner

- Pyramid Structure

Type2: Questions to the General People

- Online Survey Face to Face

Question & Answers:

There are some questions we asked to shop owners. Those are:

1. Are you facing any trouble as a new owner in advertising your page?

Ans: Yes.

2. What type of products you sell?

Ans: Beauty & Makeups

3. Will it be helpful if you find a platform to advertise and promote your page?

Ans: Yes, it will be really helpful for us. And I think it's necessary to have such a platform in online business.

4. Do you have any suggestions for us?

Ans: Yes, I think this type of website will really be popular if they keep their focus on their authenticity and basics. Best of luck for your project.

Here's the questions we asked in an online survey:

1.How old are you?

62 responses

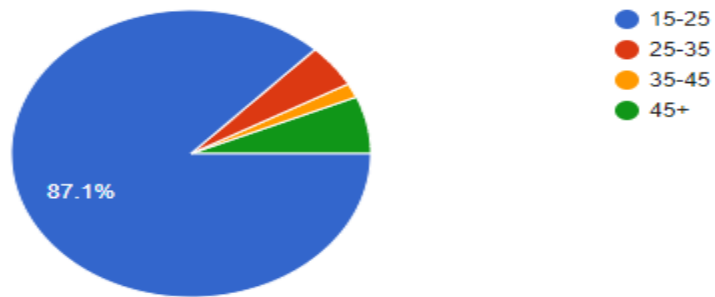


Fig: Question 1

2. How often do you shop online?

62 responses

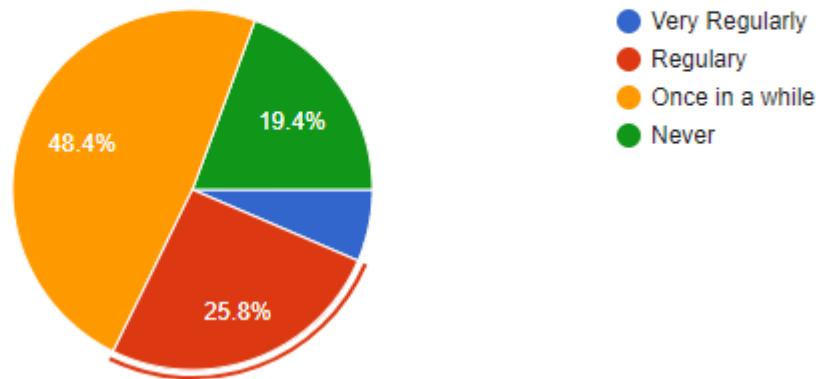


Fig: Question 2

3.Do you struggle to find your desired pages/groups?

62 responses

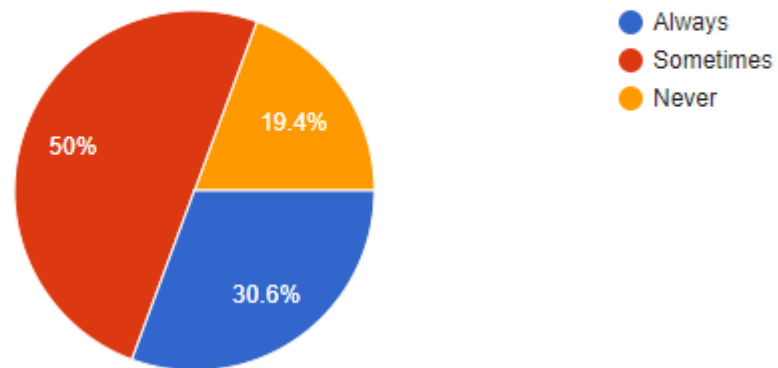


Fig: Question 3

4.Do you want to see all the Sale offers of different online shops altogether?

62 responses

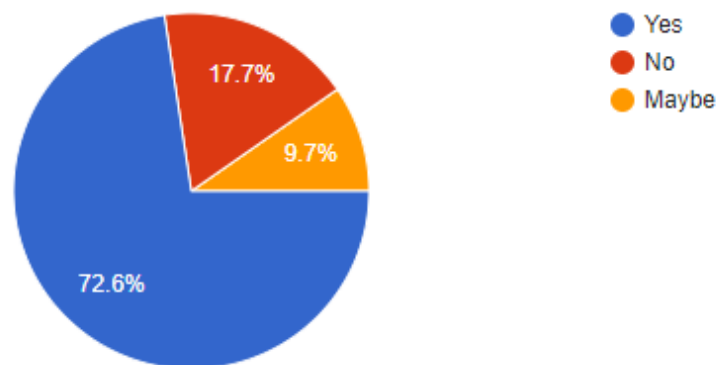


Fig: Question 4

Data Flow Diagram:

List of Activities:

- Page owner registration
- Page owner information
- Payment
- Advertisement
- Offer information
- User registration
- User login
- User search of pages
- User's rating
- User's favorite page
- Notifications for users
- User review/helpline
- Admin level verification

Main Process:

- Record and Manage Page Information
- Record Advertise & Promotions
- Manage Payments
- Manage Discounts & Offers
- Provide Help Service
- Record & Manage Users
- Search Pages and Products

Entities:

- Admin
- Page Owner
- Customer

Context Level:

Admin is the first entity to be discussed. Admin can insert, update and delete information of page owners, users. Page owners can register to the website. Facebook will verify those pages and will give the information to the admin. Page owners can promote their pages. Users can also register to the website. They can add their favorite pages and get notifications. User can also review and rate the pages.

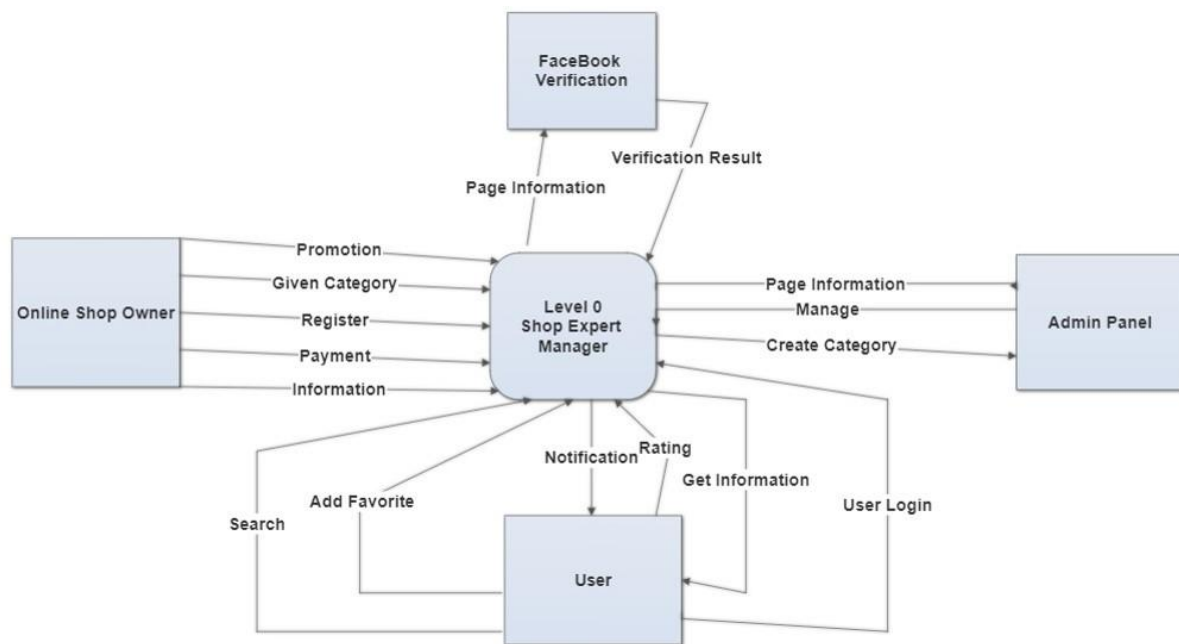


Fig: Context Level

Level 0 Diagram:

Description:

Page owner can ask for login permission to the admin. Admin will verify the page. User and page owner can ask for help to admin. Page owners can advertise their pages. They have to pay the admin while registration. Page owners can also promote their offers. Users can select their favorite pages and get notifications. Admin will provide users search results.

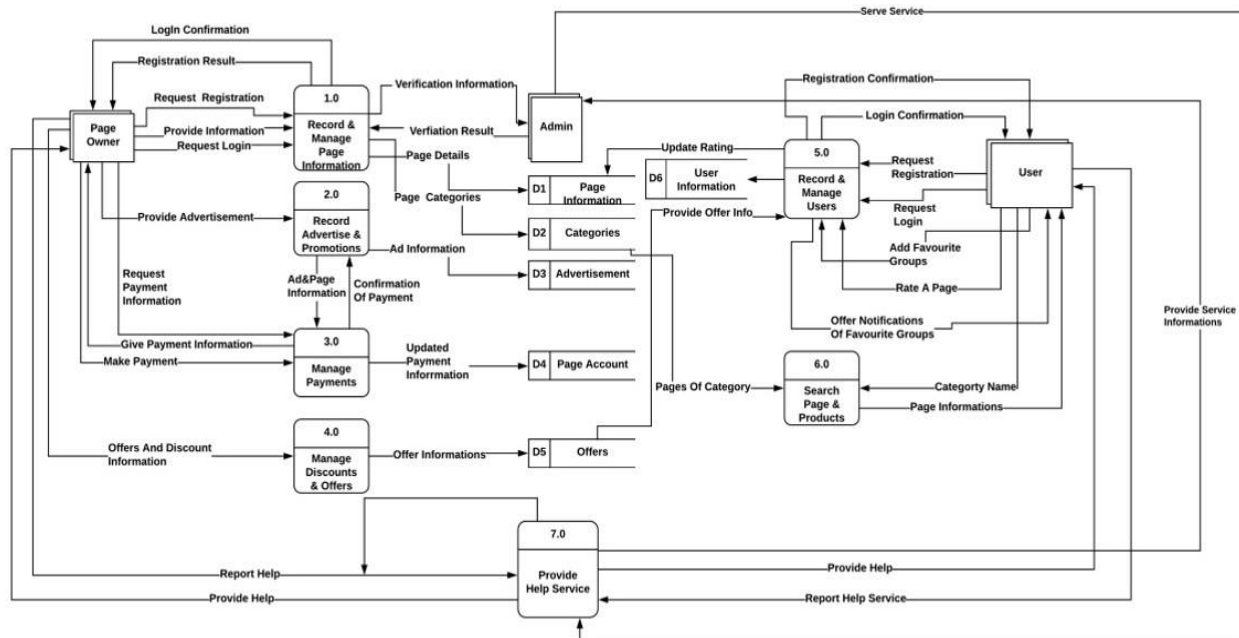


Fig: Level 0 Diagram

Level 1 Diagram:

Digram 1:

Page owner has to register to the website and they have to pay before registration. They can ask for login permission to the admin. Admin will provide them login request. The pages will be registered into different categories. There's a category table in the database.

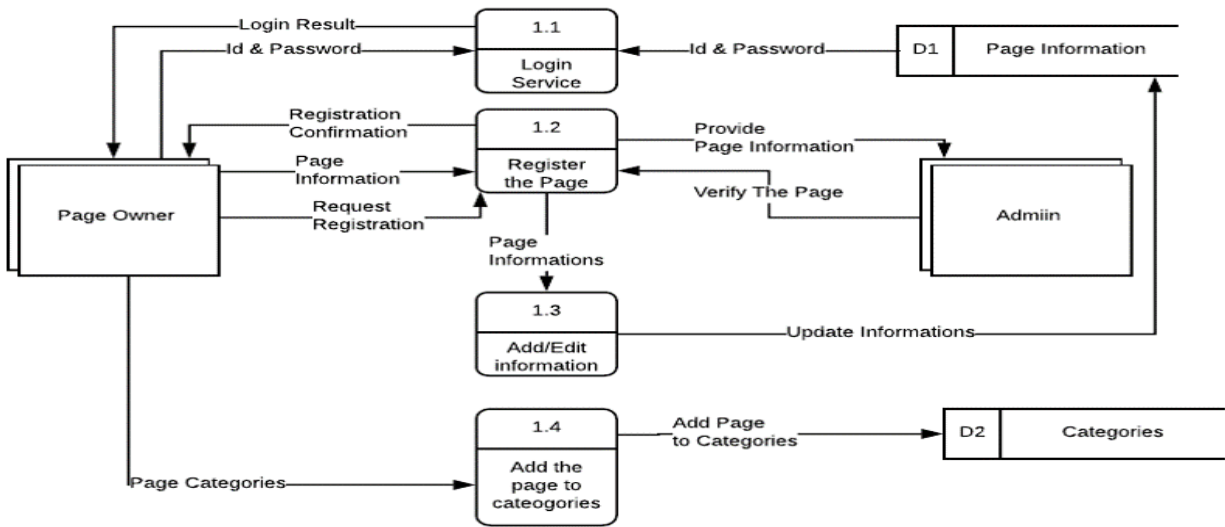


Fig: Level 1 Page Information

Diagram 2:

Page owners can promote their pages. There's an advertise table in the database. Admin will check the validation of the advertise and update it.

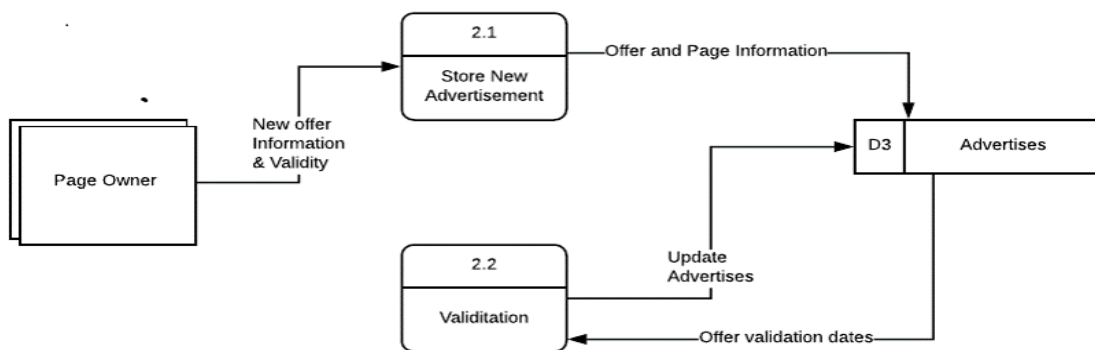


Fig: Level 1 Advertisement

Diagram 3:

Page owners have to pay before registration. This information will save in the database Page Account table. Admin will estimate the total billing and provide information.

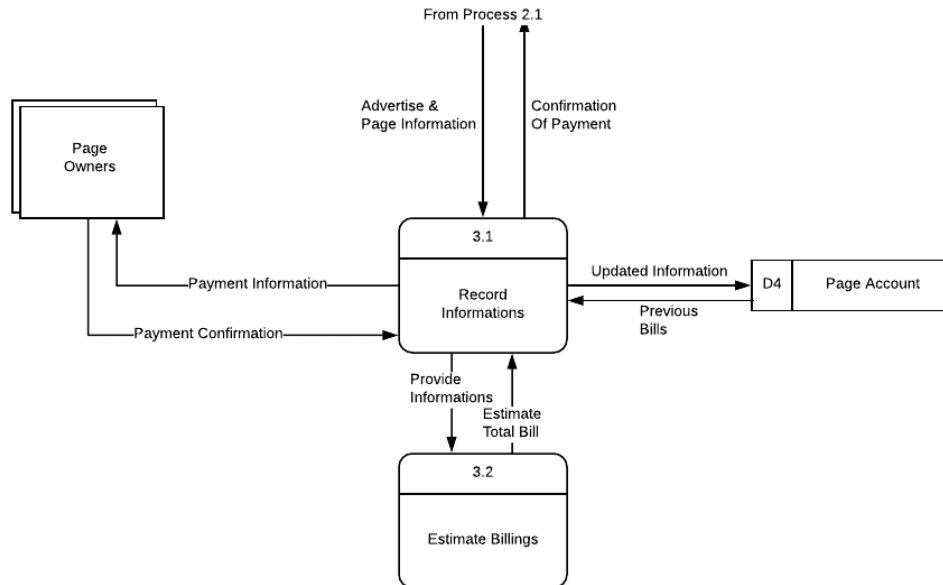


Fig: Level 1 Record Information

Diagram 4:

Page owner can promote their offers and deals. There's a Offer table in the database. Admin will check the validity and update offers.

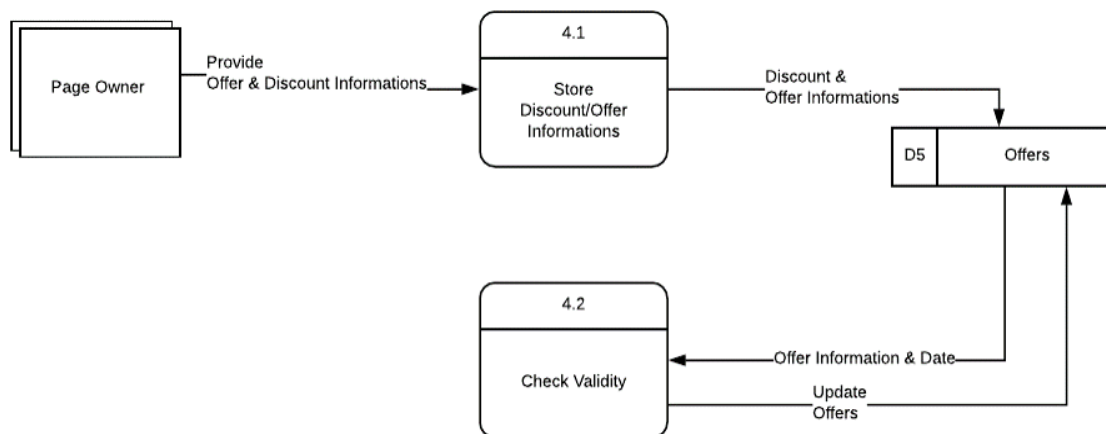


Fig: Level 1 Offer Information

Diagram 5:

Users can register to the website. Users can add favorite pages and get notifications. They can also search for desired groups. User can review and rate pages by the services they are provided by the pages.

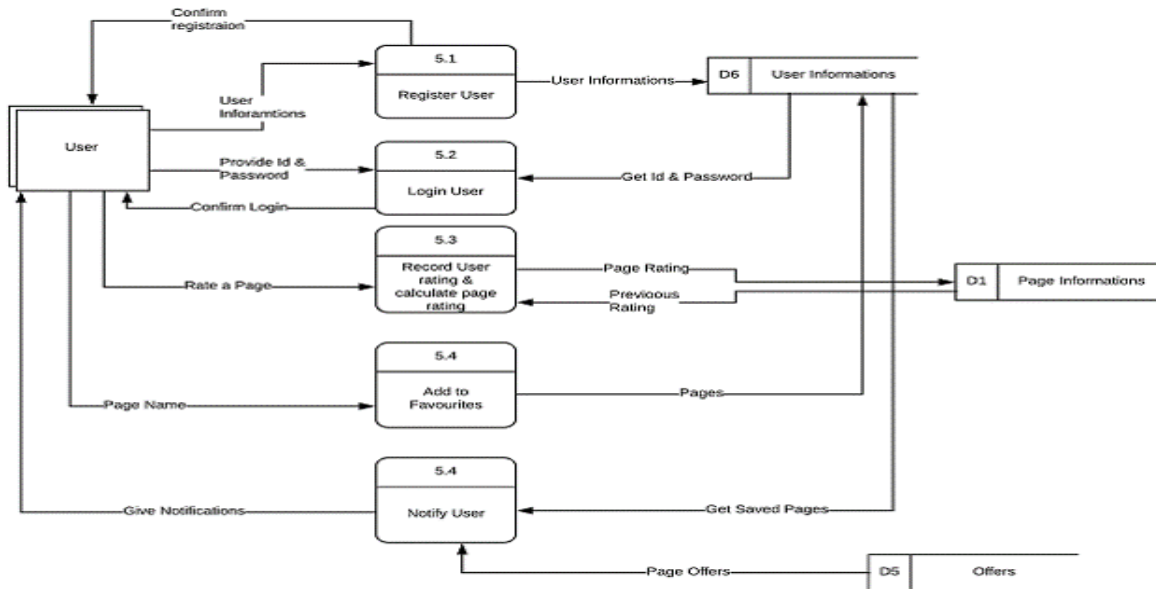


Fig: Level 1 Manage User

Diagram 6:

User can search their desired groups. Admin will provide them the search result from the database tables.

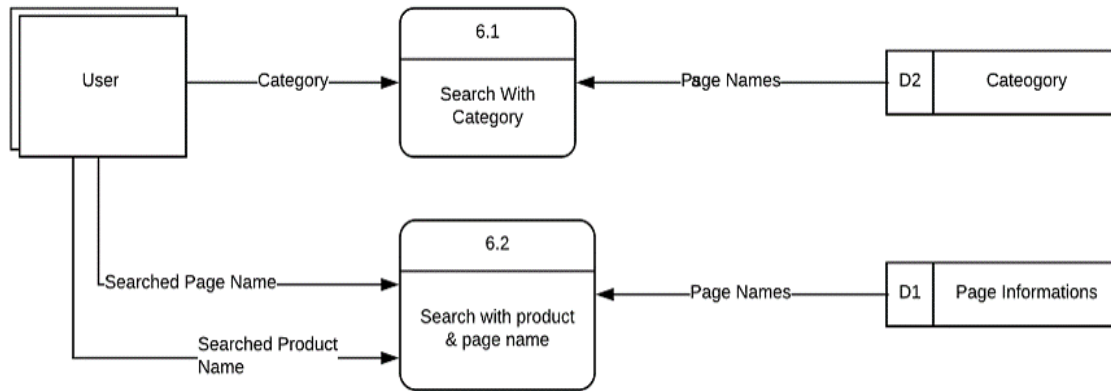


Fig: Level 1 Search

Diagram 7:

User and page owners can ask for help to the admin. Admin will analyze the problem and provide help to the user or page owners.

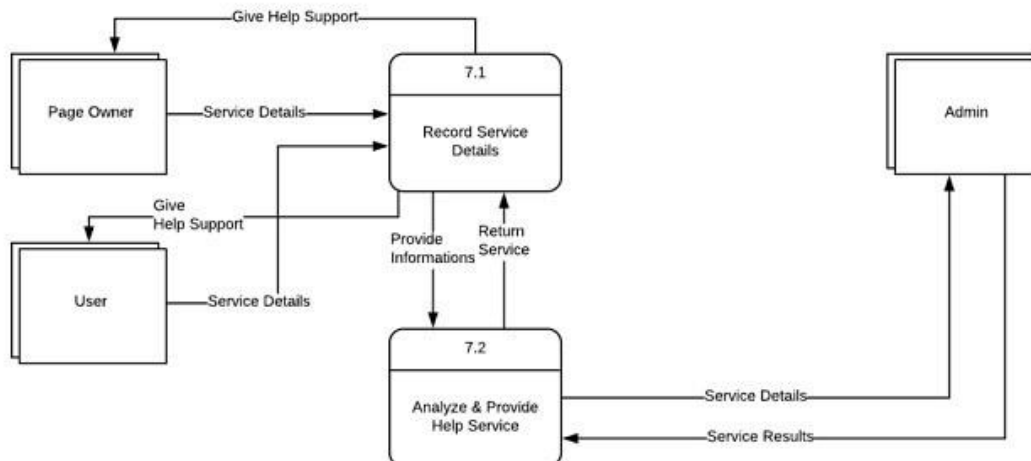


Fig: Level 1 Help Service

Use Case Diagram:

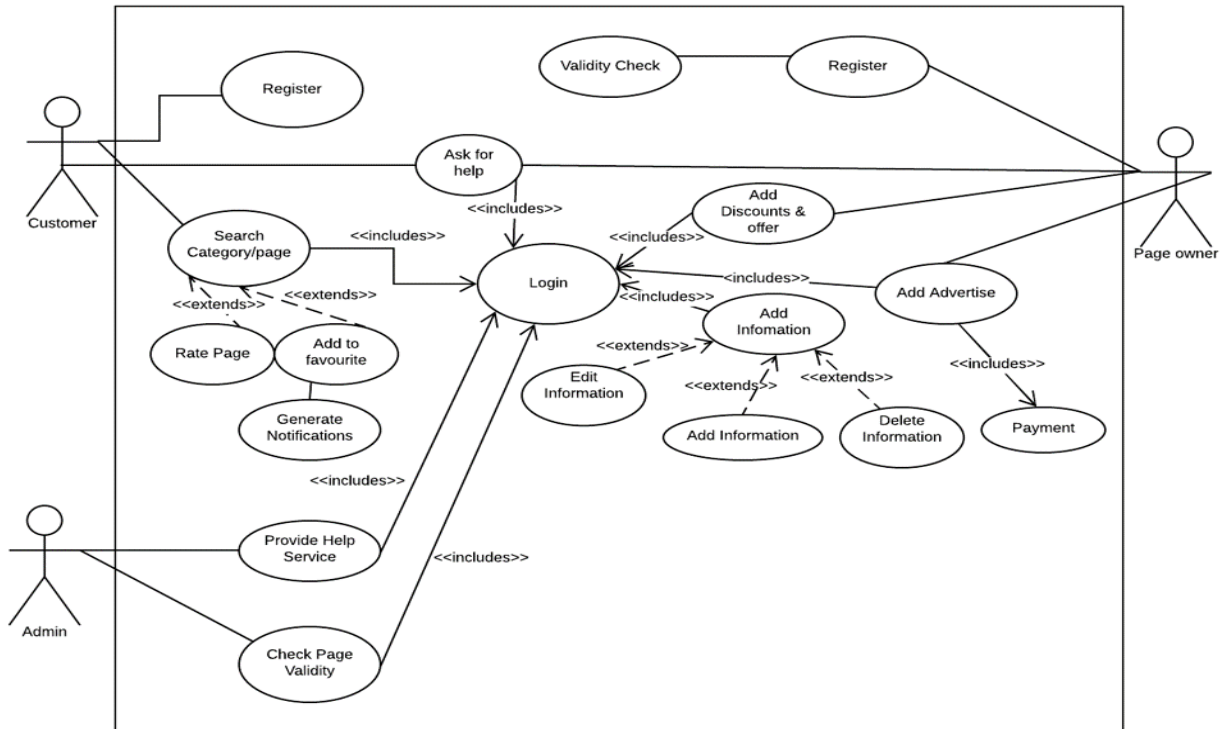


Fig: Use Case Diagram

Entity Relationship Diagram:

An entity-relationship diagram (ERD) is a graphical representation of an information system that shows the relationship between people, objects, places, concepts or events within that system.

- Elements of an ERD :

Entity

Attribute

Relation

Entity Set Names:

- User
- Online Shops
- Discount and offers
- Rating
- Category
- Advertisement

Entity Relationship Diagram:

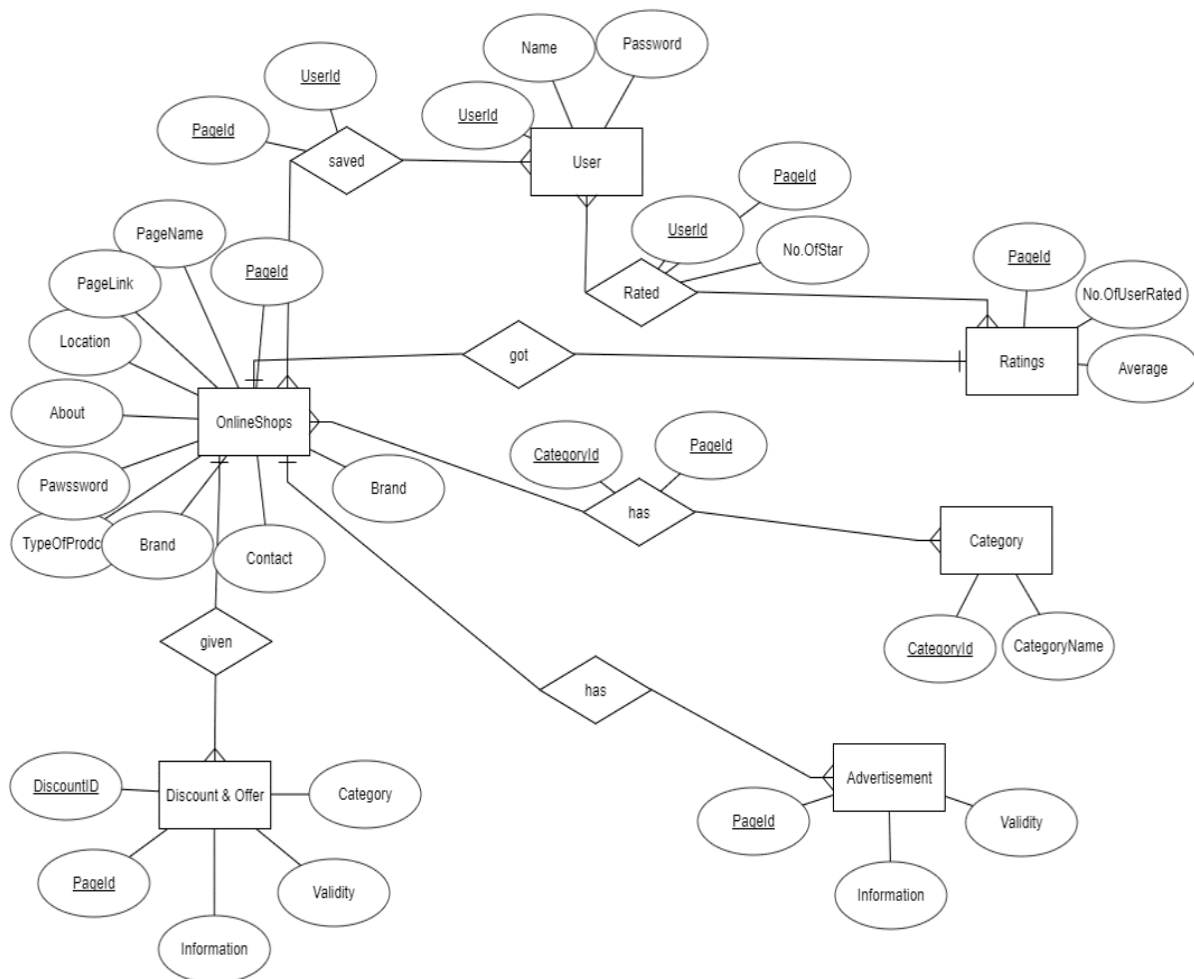


Fig: Entity Relationship Diagram

Testing Result of Project:

For testing our application we used Alpha testing. In there we found certain amount of problems on fetching info from database and exception handling problem. And there are also some incomplete features which can make bugs. We will try to fix them in future. But we successfully overcome some of those problems. Now our application is more or less a complete one without extreme bugs that can cause problem to user.

Limitation:

- We couldn't add the user rating part.
- Users don't get notifications of their selected pages.
- We couldn't add the billing system.

Future Plan:

We want to make the website more user friendly and the interface more attractive . Our plan is to add the payment system. We want to add a feature where customers can directly through our website.

Conclusion:

Our goal is to make online shopping easier for both owners and customers. It will also be a very good platform for the new owners as they can promote their pages in our website. As we have some limitations in our project we will try our heart and soul to overcome the problems and make this website more useful and user friendly. We have some future plans for our website. So we will try to work on that for the betterment for both owners and customers.