SYNOPSIS

Website Development

for

“Balaji Hardware and Sanitary Shop”

**Submitted in Partial Fulfillment of Bachelor of Science Information Technology**

**TO**



Under the guidance of: SUBMITTED BY:

Dr. Sunil Shukla Karan Guleria

(Associate Professor) BSc.(I.T) 6th Sem

# 

# ACKNOWLEDGEMENT

The most awaited moment of any Endeavour is successful completion, but nothing can be done successfully if done alone. Success is the outcome of contribution and consistent help of various persons and we thank those ones who helped us in successful completion of this project.

First and foremost, I would like to thank “Dr. Pradeep Suri”, Director UIM and “Dr. Sonal Sharma”, HOD IT for providing a healthy and encouraging environment to study.

I am thankful to the department of computer science and applications, and my Project Mentor “Dr. Sunil Shukla”. She has been generous enough to provide us an opportunity and accepting our candidature for the most valuable guidance and affordable treatment given to us at every stage to boost our moral.

Karan Guleria

# DECLARATION

I hereby declare that the project work entitled **“*Website Development for Balaji Hardware and Sanitary Shop* ”** submittedto the “**Uttaranchal Institute of management”**, is a record of an original work done by me under the guidance of Dr. Sunil Shukla and this project work has not performed the basis for the award of any Degree or diploma fellowship and similar project if any.

**Date:**

**Place:**

Signature: -

…………………………….

# CERTIFICATE OF ORIGINALITY

This is to certify that I Karan Guleria, student of B.Sc. I.T 6th Semester, Uttaranchal Institute of Management, Dehradun, has completed the Project of “Website Development for Balaji Hardware and Sanitary Shop” Using the Sublime text Editor for the Batch (2017-2020).

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# INTRODUCTION

Balaji Sanitary and Hardware Shop opened nearly 6 months ago and the sales are good and all but limited to locals and to the known people that’s why the owner is willing to have a website for the shop to sort this purpose of growing the business outside the local area.

So, the website he wants will have:

**Home page** having two options as category of products i.e. hardware or sanitary category.

Customer after choosing one category will be redirected to the specific **category page** where all the products will be displayed and under them their name and price.

Then after selecting a product, customer is provided with detailed information of the product and fitting solutions.

**Login and registration page** for the users to have their own account with selected products saved in the cart and history of their shopping.

A new page i.e**. payment gateway** will open after a product selection for the payment process.

# 2. OBJECTIVE

Website of a business helps it to grow outside the local area and connects new customers to the business that is why I am developing a website for this shop to attract customers outside the locality and add new dealers and customers for future to help in growing the business successfully.

## 2.1 Functionality

The owner wants to deliver products to even the locals and nearby houses without them coming to the shop.

* Customers can select and order items from home.
* Customers from outside the locality can also order items without them travelling to the shop.
* Every customer will have a history of their orders saved in their user account database on the website and can confirm in the near future if any misunderstanding for the quantity of items ordered and actually delivered.
* No paperwork for the record of sold items as all of it will be saved in the database.

# 3. HARDWARE AND SOFTWARE USED

## 3.1 Hardware

Device company – Dell

OS -- Windows

RAM – 8GB

Hard Disk – 1TB

Processor – Intel core i5, 8TH generation

## 3.2 Software (Programming Languages Included)

* Sublime Text, Notepad

Text Editor for coding purpose.

* Html5, CSS, JavaScript.

**HTML5** is the latest version of Hypertext Markup Language, the code that describes web pages. It's actually three kinds of code: HTML, which provides the structure; Cascading Style Sheets (**CSS**), which take care of presentation; and **JavaScript**, which makes things happen

* Database (MySQL).

**MySQL** is an open-source relational database management system.

# 4. REQUIREMENT SPECIFICATIONS

As per Client’s requirement:

* The Website should have a login/register page for new and old users to create and access their account respectively.
* Then the website should have a specific page for the categories (i.e. Hardware or sanitary).
* Then the user must choose from one of the categories and directed to the specific category products page.
* After that a separate page for displaying the detailed information of the product and

with options to buy now or store in the cart.

* Then the Website must have a Billing page for the payment purpose.
* Data of each user must be stored in a storage unit (Database) and the data can be accessed by the owner to cross verify the product bills.

## FEASIBILITY STUDY

By the investigation, we have identified the need, problem and requirement. So our next step was to determine exactly what the proposed system is to do by defining its expected performance. This kind of work can be carried out in feasibility study.

The website is under the requirement analysis phase, so right now feasibility study is under process. After completion of requirement analysis, the cost and the time taken to develop the website will be given to customer till 10h may, 2020.

# 5. SYSTEM DESIGN

### 5.1 Flow Chart



Figure 1

### 5.2 Site Plan



Figure 2

## 5.3 PROCESS LOGIC

**Register or login page:** For adding the new user or login the already registered user to the website.

**Homepage:** The homepage will be the Second page after register/login page of the website that will be displayed. In this Categories will appear to select from.

**Category:** It’s a type of filter that will help the customer for easy shopping and no product mix-up will be there while selection of the product.

**Contact:** Customer support contact number and helpline number are available on this page.

**Search:** It is a type of search box through which you can search the product according to the filters.

**Cart page:** On this page all the items will be added to the cart and then displayed with the cost of all items along with service tax.

**Transaction page:** In this page transaction portal will be displayed.

### 5.4 Gantt Chart

Figure 3

### 5.5 UML (Use Case Diagram)



Figure 4

### 5.6 UML (Activity Diagram)



Figure 5

### 5.6 UML (Class Diagram)



Figure 6

# 10. REFERENCES

### 10.1 Books:

1. “Steven Holzner”, E. (2008), *The Complete Reference PHP*, fourth edition, McGraw Hill, PP No: 50-87.
2. “Ivan Bayross”, E. (2005), *Web Enabled Commercial Application using HTML, DHTML, JavaScript and PHP* fourth edition, Addison-, PP No:33-150.

### 10.2 Web Url:

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* https://www.tutorialspoint.com (Last accessed on 14/03/2020).
* https://www.geeksforgeeks.org (Last accessed on 3/04/2020).
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