Bachelors in Computer Application

(Batch 2020-23)

AISHWARYA POST GRADUTE COLLEGE

A Project Report

On

"WATCHSHOP(E-COMMERCE)"

Submitted to the AISHWARYA POST GRADUTE COLLEGE

In Partial fulfilment of the requirement for the degree BCA

Submitted To

Dr.Anita Bhati

Submitted By

Mr.Gaurav Karadia

CERTIFICATE OF APPROVAL

This is to certify that Mr.Gaurav Karadia has successfully completed the project titled ***"WATCHSHOP(E-COMMERCE)"*** as a partial fulfilment for the award of the degree in **Bachelors in computer application, AISHWARYA POST GRADUTE COLLEGE**

This report is a bonfire record of the work done by her, at APGC, udaipur during the period **AUG** (2022) to **FEB** (2023). The contents of this report do not form a basis for the award of any previous degree to the above mentioned, or to anyone else, to the best of our knowledge. The website is working perfectly and work is appreciable. We find the quality of the work presented according to our level of satisfaction.

We wish her good luck and success in all her future endeavours.

DECLARATION

I hereby declare that the work, which is being presented in this project entitled ***"WATCHSHOP****(e-commerce)"* in Bachelors in computer application partial fulfilment of the requirement for the award of the degree in BCA, APGC is an authentic and original record of my own work carried out by me for a period of BCA(3RD YEAR) 7 months Training under the supervision and guidance of **Mr. HEMANT KUMAWAT** at APGC. Also this project has not formed the basis for the award of any other degree, associate ship, fellowship or any other similar titles.

Place: Udaipur GAURAV KARADIA

Date: 15/01/2023

ACKNOWLEDGEMENT

The satisfaction that accompanies that the successful completion of any task would be incomplete without the mention of people whom case less cooperation made it possible, whom constant guidance and encouragement crown all efforts with success.

So I am fortunate to find opportunity to express my deep sense of gratitude and sincere thanks to all those people who helped me with their guidance and assistance. Their contribution has been invaluable.

First of all, I am thankful to "AISHWARYA POST GRADUTE COLLEGE" for keeping this Project in curriculum, which provides real world experience before degree completion.

I would like to give my heartiest thanks to **Mr. HEMANT KUMAWAT** for giving their precious time, consistent cooperation and solving out the queries at all time of the day to make the project a success and thanks to all the employees of APGC, Udaipur for their support and guidance.

By being the student of **AISHWARYA POST GRADUTE COLLEGE, Udaipur**, I convey a sincere thanks to **Dr.Anita Bhati**, for providing all the facilities required for making the project successful.

I would also like to thank all the **faculty members and friends** of **AISHWARYA POST GRADUTE COLLEGE, Udaipur,** for their hard work, support and inspiration provided by them during the duration of the **BCA** degree. Their guidance was always fruitful.

GAURAV KARADIA

PREFACE

The well planned, properly executed and evaluated training helps a lot in inoculating good work culture. It provides linkage between the student and the training institute in order to develop the awareness and knowledge of training approach to problem solving based on broad understanding of process, product and mode of operations of organization.

Project Entitled ***"WATCHSHOP****(e-commerce)"* facilitates to peoples buy fruits and juice online at anywhere.

This project has been developed at APCG, Udaipur. This is user friendly, easy to use, understandable and satisfies all requirements.

The report begins with a brief introduction with a detailed description of the project and covers various aspects of the project such as system analysis, system design and system implementation. This project report has been designed in accordance with the various stages in software development life cycle and in precisely the same order.

I hope that readers will enjoy reading this report.

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1 INTRODUCTION

1.1 Introduction to Project :

At Watchshop one is sure to find the premium and smart watches with exceptional value and world class services.
We work closely with our suppliers, building an extensive knowledge of these rare and hard-to-obtain watches. We a real ways looking to discover new and exciting watches and are regularly updating our range, working hard to source new arrivals.

In present people buy watches from offline store. And they faces problems like price of the watches, variety of the watches.
Some shopkeeper does not give better deal and in overcrowded area peoples wasted their lots of times.
And shopkeeper not treats them in proper manner. All shops and shopkeeper are not available at 24*7*365.

The state of the art technological developments has made shopping easy these days.
Online shopping is the trend these days and working professionals and other people find it convenient. People residing in cities face increased traffic and crowd and they are not able to dedicate time particularly for shopping.

1.2 Software and Hardware Requirement:

1. Software Requirement :-

Operating System	:	Windows-10 PRO
Toolkit	:	NOTEPAD++, XAMPP
Platform	:	JAVA SCRIPT,HTML,CSS, PHP
Database	:	MySQL Database Server

2. Hardware Requirement :-

Processor	:	Intel CORE i3.
RAM	:	4 GB.
Hard Disk	:	296 GB.

2. TECHNOLOGY USED

2.1 Front End Technology:

2.1.1 HYPERTEXT PRE PROCESSOR (PHP) :-

The full form of PHP is “PHP Hypertext Pre-processor”. But its original name was “Personal Home Page”. Rasmus Lerdorf software engineer, Apache team member is the creator and original driving force behind PHP. The first part of PHP was developed for his personal use in late 1994. By the middle of 1997, PHP was being used on approximately 50,000 sites across the worldwide.

PHP is a one type of server-side scripting language, which can be embedded in HTML or used as a stand-alone. PHP does not do anything about what a page looks and sounds like. In fact, most of what PHP does is invisible to the end user. Someone looking at PHP page can not necessarily be able to tell that it was not written purely in HTML because usually the result of PHP is HTML.

PHP is fully cross –platform meaning it runs native on several flavors of UNIX, as well as on Windows base system. The PHP allows web developers to create dynamic pages for e-commerce and web applications that are interact with databases. When we embed the PHP code into HTML code at that time if we make a PHP file then we have to give the extension of that file is .**php**. It provides those servers with functionality similar to that provided to windows platform by Active Server Pages technology. It is database supported means we can access commercial and non-commercial databases including Informix, Microsoft SQL server, MySQL, ODBC, Oracle etc.

2.1.2 HYPERTEXT MARKUP LANGUAGE (HTML) :-

A simple markup language used to create hypertext documents that are portable from one platform to another. HTML files are simple ASCII text files with codes embedded (indicated by markup tags) to denote formatting and hypertext links.

Many people who use HTML to create Web pages or other documents find Notepad a useful tool for writing in HTML. Because Notepad supports only very basic formatting, you cannot accidentally save special formatting in documents that need to remain pure text. This is especially useful when creating HTML documents for a Web page because special characters or other formatting may not appear in your published Web page or may even cause errors. Many word processors provide additional tools or converters to help you create HTML documents. But, if you are creating simple pages or if you want to make a few

quick changes, Notepad opens files quickly. Also, Notepad shows all of the HTML tags so you can troubleshoot your page. Not all word processors or converters make the HTML code available.

2.1.3 JQuery:-

JQuery is a lightweight, "write less, do more", Java Script library. The purpose of JQuery is to make it much easier to use JavaScript on your website. JQuery takes a lot of common tasks that requires many lines of JavaScript code to accomplish, and wraps it into methods that you can call with a single line of code. JQuery also simplifies a lot of the complicated things from JavaScript, like AJAX calls and DOM manipulation. The jQuery library contains the following features:

- HTML/DOM manipulation
- CSS manipulation
- HTML event methods
- Effects and animations
- AJAX
- Utilities

2.1.4 JAVASCRIPT :-

JavaScript is an object-oriented scripting language used to enable programmatic access to objects within both the client application and other applications.

It is primarily used in the form of client-side JavaScript, implemented as an integrated component of the web browser, allowing the development of enhanced user interfaces and dynamic websites. JavaScript is a dialect of the ECMA Script standard and is characterized as a dynamic, weakly typed, prototype-based language with first-class functions.

JavaScript was first developed by Netscape as an open scripting language to create interactive web pages. JavaScript as an open language implies that it can be used by anyone; no license is required to use JavaScript.

JavaScript has the ability to function both as an object oriented language as well as procedural language. Using JavaScript you can create objects, attach methods and properties.

2.1.5 CASCADING STYLE SHEET (CSS) :-

Cascading Style Sheets (CSS) is used to describe the presentation semantics (that is, the look and formatting) of a document written in a mark up language. CSS is designed primarily to enable the separation of document content (written in HTML or a similar mark up language) from document presentation, including elements such as the layout, colors, and fonts. Cascading Style Sheet is used to style HTML elements.

Three Ways to Insert CSS in Web page:-

- External style sheet
- Internal style sheet
- Inline style

2.2 Back End Technology:

MySQL SERVER

A database management system must be able to reliably manage a large amount of data in a multi-user environment so that many users can concurrently access the data. A database management system should also provide security and failure recovery.

MySQL is the name of a database management system Developed by Apache Software Foundation. Apache Software Foundation provides various softwares related to web development; the biggest advantage is that all the software's are free of cost. MySQL is most popular database management tool. It provides better security and data recovery against system failure.

MySQL works faster compared to other Database Management tools. Apache Software Foundation provides GUI to work with MySQL, because of its GUI environment it is very easy to understand any novice user can quickly learn MySQL by using phpMyAdmin developer. We can create databases and maintain it through phpMyAdmin developer. It provides GUI so it is easy to understand and learn.

2.3 Front & Back End Tool:-

S. no	Particulars	Technology
1.	Server side language	PHP
2.	Database	MySQL
3.	Designing	CSS 3
4.	Validation	JavaScript, JQuery
5.	Structure Designing	HTML 5
6.	Animation	JQuery

3. SYSTEM ANALYSIS AND SYSTEM STUDY

3.2 FEASIBILITY STUDY:

Feasibility analysis begins once the goals are defined. It starts by generating broad possible solutions, which are possible to give an indication of what the new system should look lime. This is where creativity and imagination are used. Analysts must think up new ways of doing things- generate new ideas. There is no need to go into the detailed system operation yet. The solution should provide enough information to make reasonable estimates about project cost and give users an indication of how the new system will fit into the organization. It is important not to exert considerable effort at this stage only to find out that the project is not worthwhile or that there is a need significantly change the original goal. Feasibility of a new system means ensuring that the new system, which we are going to implement, is efficient and affordable. There are various types of feasibility to be determined. They are,

3.1 Economically Feasibility:

Development of this application is highly economically feasible. The only thing to be done is making an environment with an effective supervision. It is cost effective in the sense that has eliminated the paper work completely. The system is also

time effective because the calculations are automated which are made at the end of the month or as per the user requirement.

3.2 Technical feasibility:

The technical requirement for the system is economic and it does not use any other additional Hardware and software. Technical evaluation must also assess whether the existing systems can be upgraded to use the new technology and whether the organization has the expertise to use it. Install all upgrades framework into the .Net package supported widows based application. this application depends on Microsoft office and intranet service ,database. Enter their attendance and generate report to excel sheet.

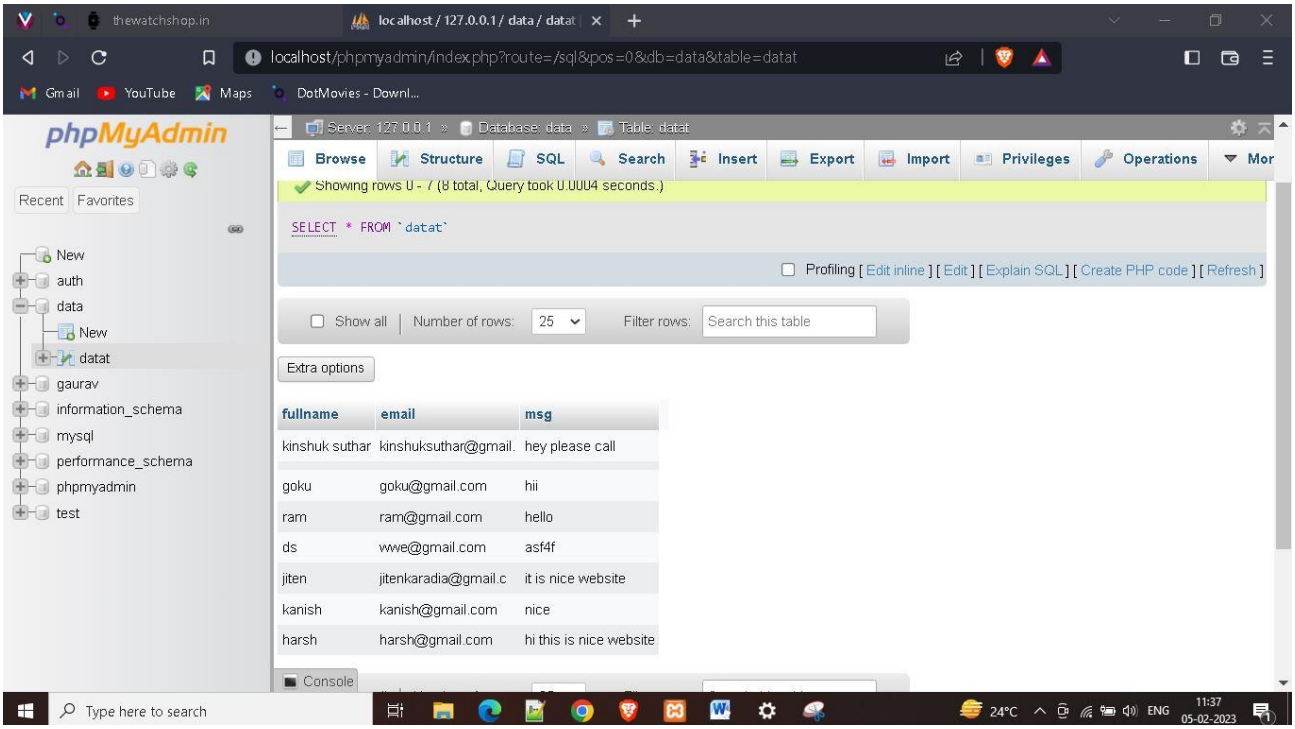
3.3 Operational Feasibility:

The system working is quite easy to use and learn due to its simple but attractive interface. User requires no special training for operating the system. Technical performance include issues such as determining whether the system can provide the right information for the Department personnel student details, and whether the system can be organized so that it always delivers this information at the right place and on time using intranet services. Acceptance revolves around the current system and its personnel.

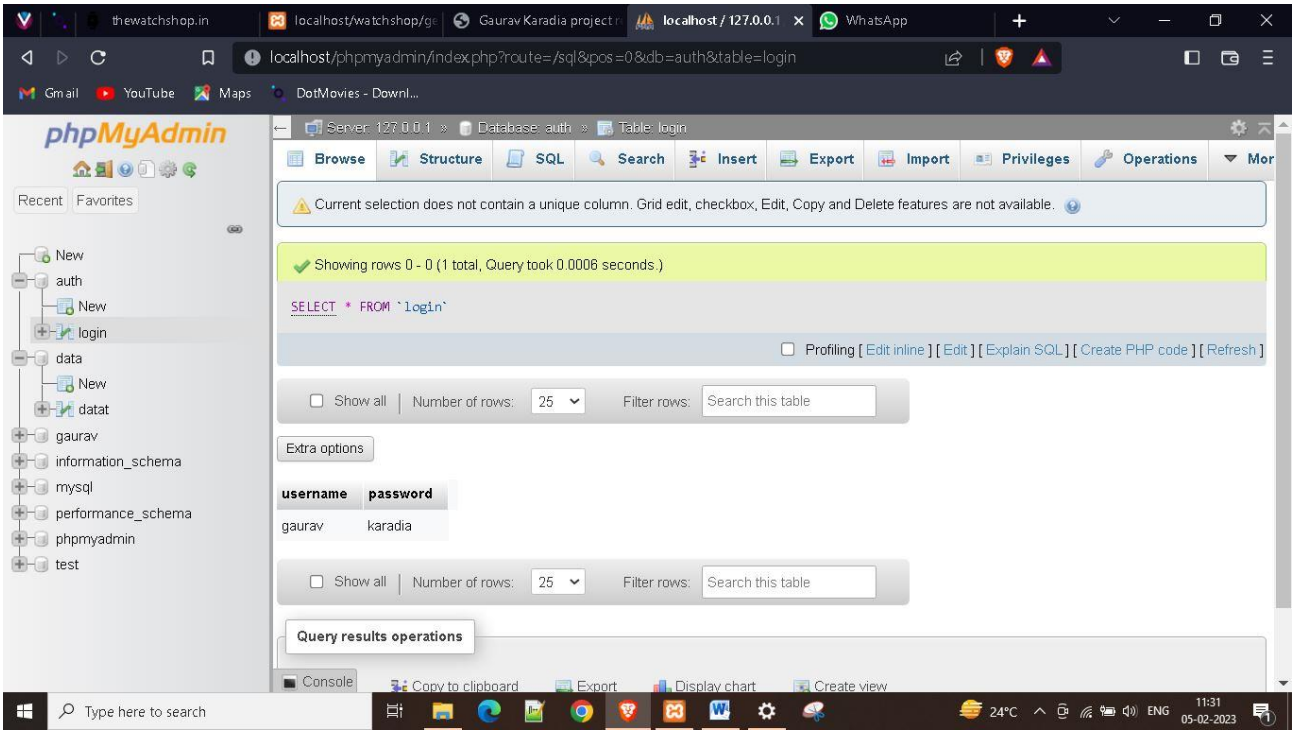
4: PROJECT DESIGN

4.1 Data Dictionary: Table View:-

Query panel-



Login Panel-


thewatchshop.in
localhost/watchshop/gs
Gaurav Karadia project r
localhost / 127.0.0.1
WhatsApp
localhost/phpmyadmin/index.php?route=/sql&pos=0&db=auth&table=login
Gmail
YouTube
Maps
DotMovies - Downl...
phpMyAdmin
Recent
Favorites
New
auth
New
login
data
New
datat
gaurav
information_schema
mysql
performance_schema
phpmyadmin
test
Server: 127.0.0.1 » Database: auth » Table: login
Browse
Structure
SQL
Search
Insert
Export
Import
Privileges
Operations
Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.
Showing rows 0 - 0 (1 total, Query took 0.0006 seconds.)
SELECT * FROM `login`
Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]
Show all
Number of rows: 25
Filter rows: Search this table
Extra options
username
password
gaurav
karadia
Query results operations
Console
Copy to clipboard
Export
Display chart
Create view
Type here to search
24°C
ENG
11:31
05-02-2023

4.2 DFD (Data Flow Diagram)

A Data Flow Diagram (DFD) is a graphical representation of the “flow” of WATCHSHOP(e-commerce) .A data flow diagram can also be used for the visualization of Data Processing. DFD shows the interaction between the system and outside entities. This context-level DFD is then “exploded” to show more detail of the system being modeled. A DFD represents flow of data through a system. Data flow diagrams are commonly used during problem analysis.

DFD LEVEL 1

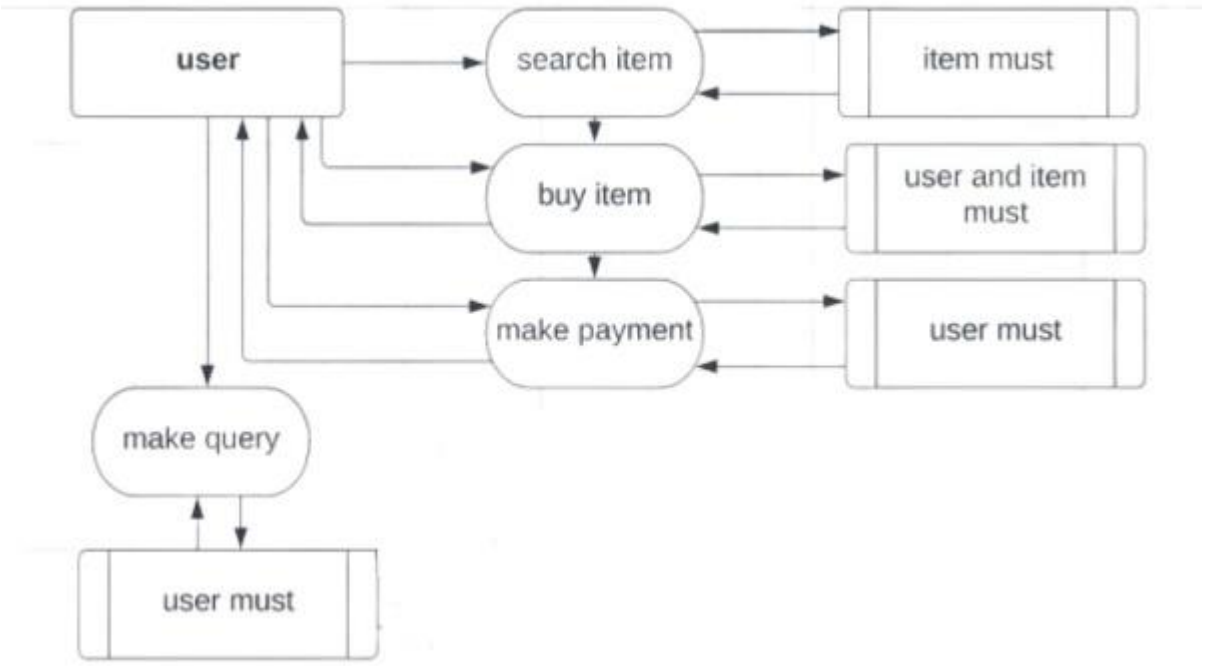


Fig. 1: Activities of user

It views a system as function that transforms the given input into required output. The Watchshop mainly comprises of the two components: Admin, user.

DFD LEVEL 2

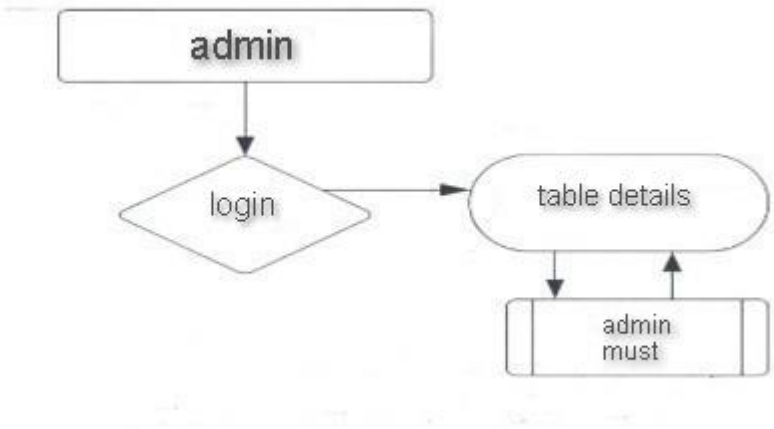
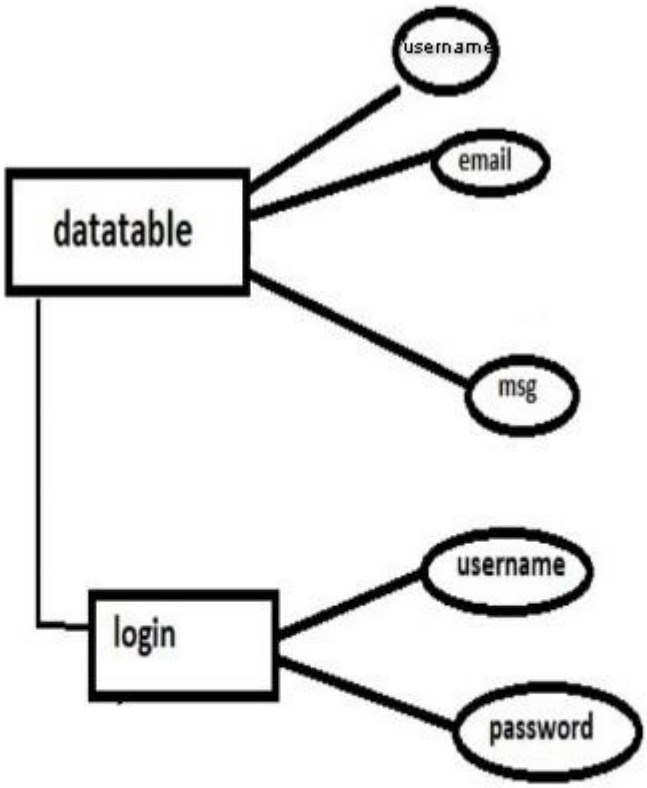


Fig. 2: Activities of admin

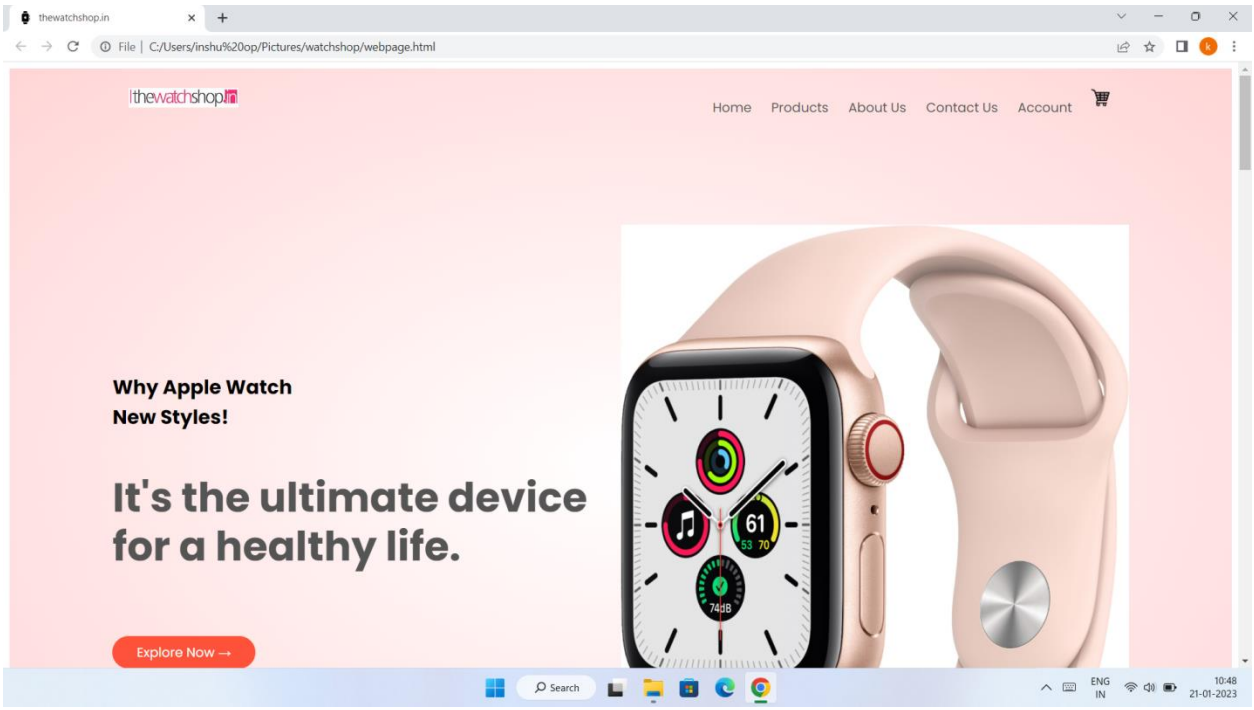
4.3 ERD (Entity Relationship Diagram) :



4.4 Snapshot's with source code

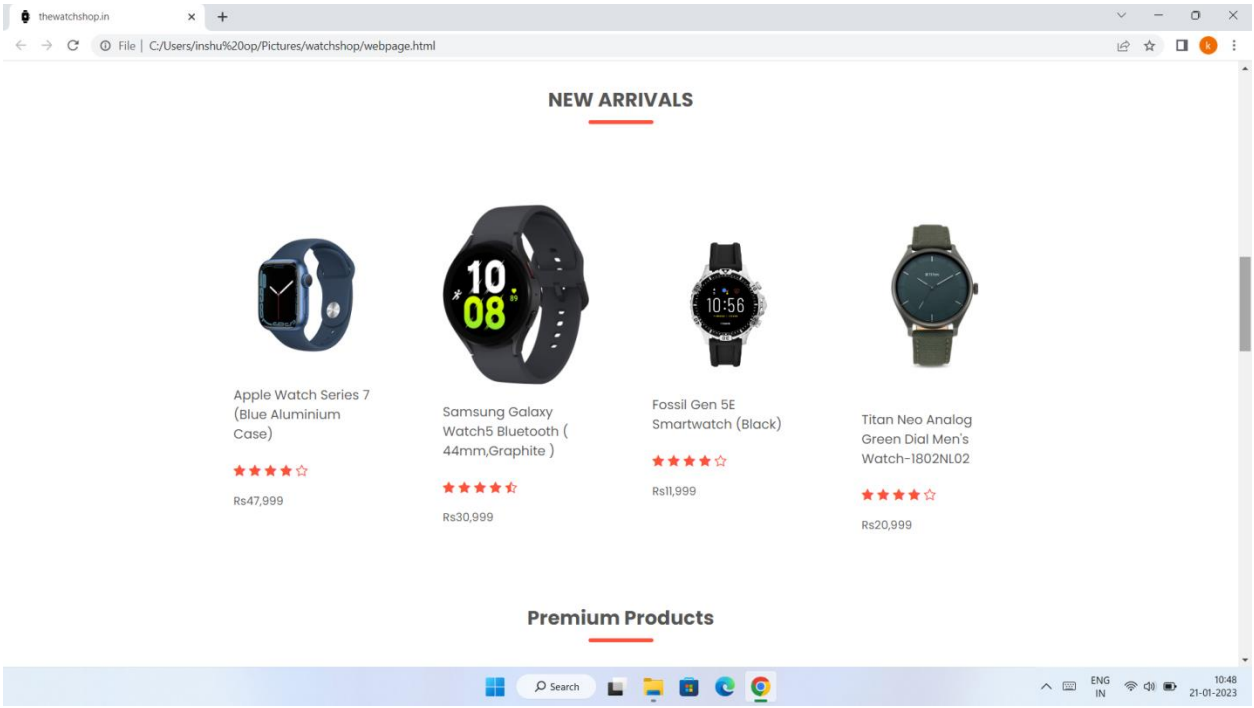
Snapshots 4.4.1:-

Main page(1.1):-



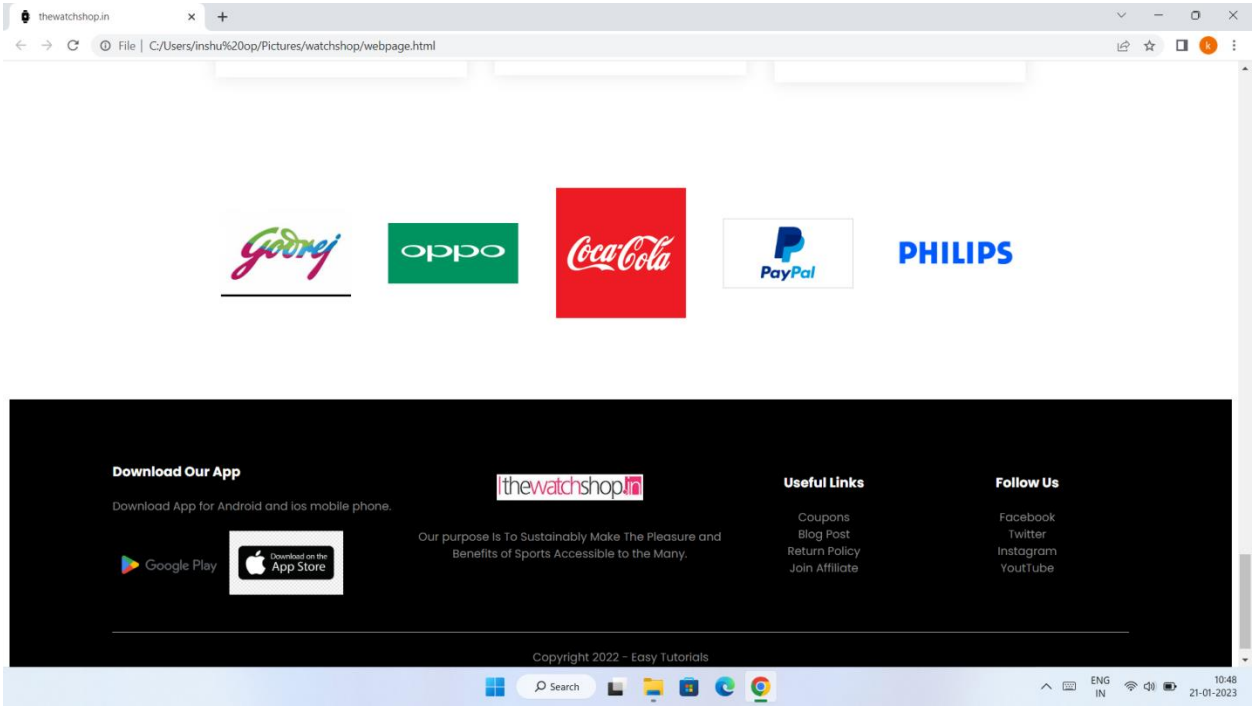
- This is main Page where we add home, about, products, contact us and account.
- Here if you click on the about, contact us Button then you will go on another page with details.
- And account button is only for admin if you click on then you have to need user name and password for next page.
- If you click on the Products Button it will open all products page.

Main page(1.2):-



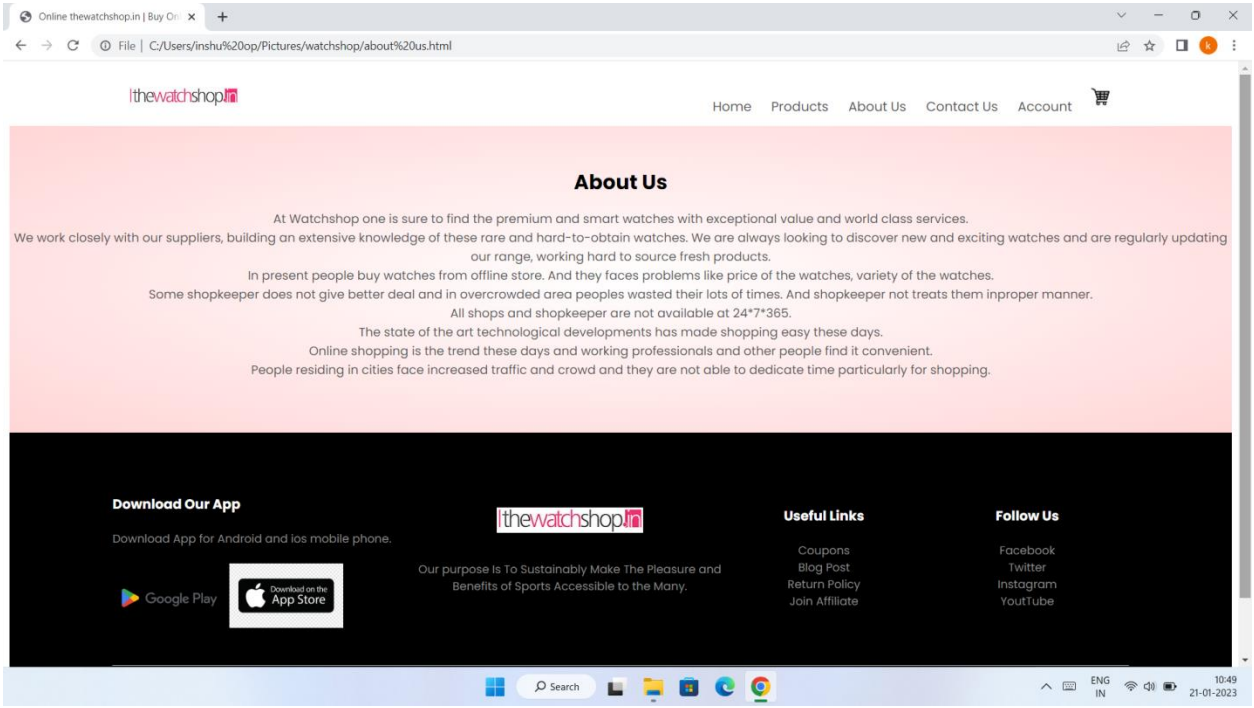
- This is mid area of main page where we add some new arrivals of watches.
- If you click on any watch you will directly go on checkout panel

Main page(1.3):-



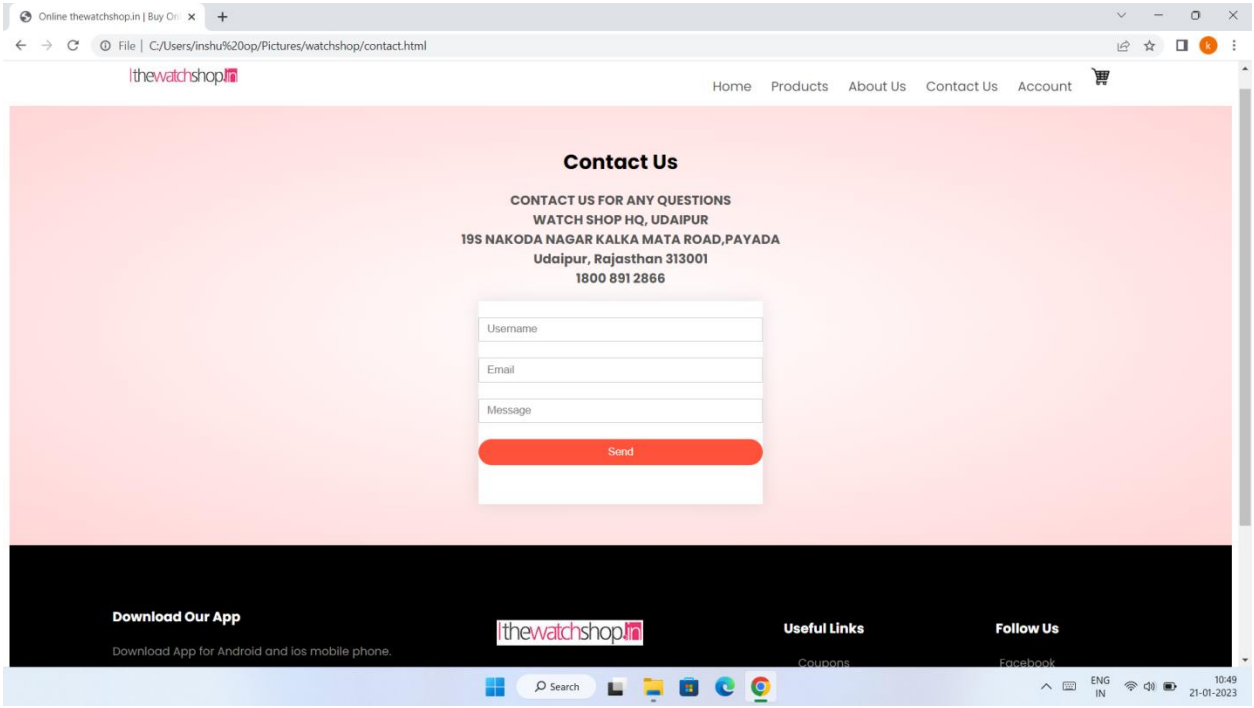
- This is bottom area of main page.

Information page:-



- This is information page where we add all details of our business.

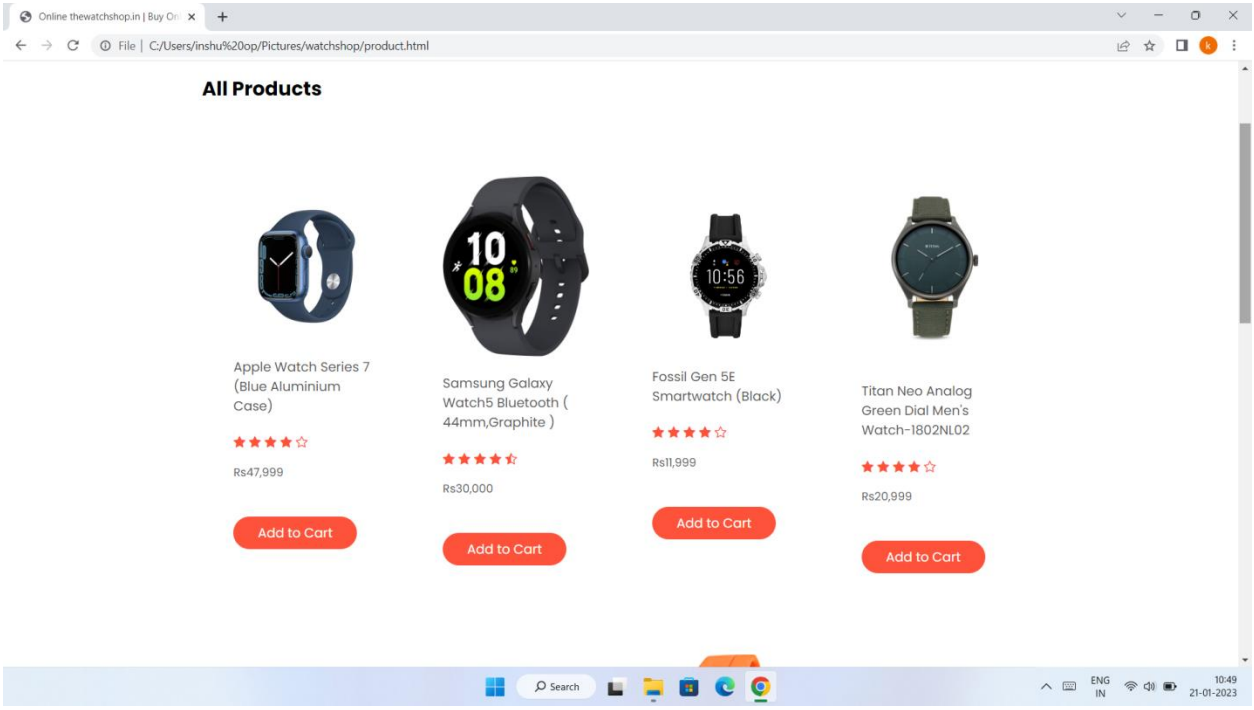
location page:-



location page(details):-

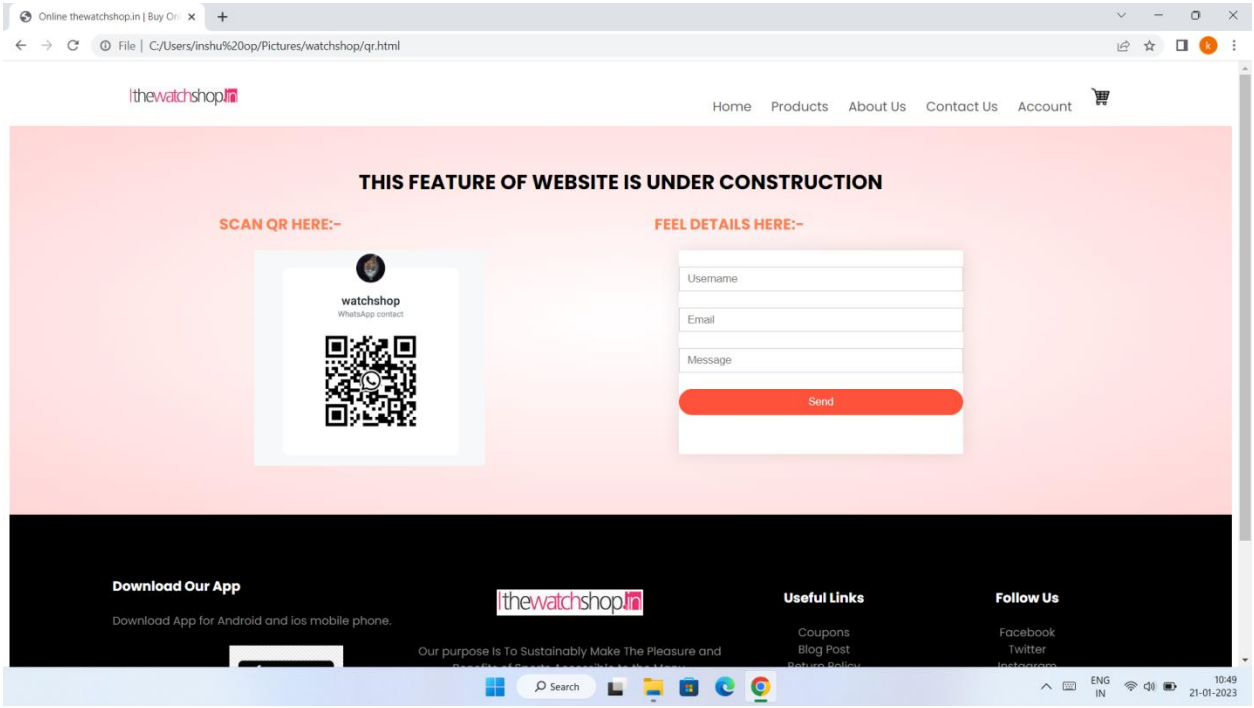
- This is location page where we add a form and address.
- This form is for users or visitors.
- If you fill this form, our team will contact you shortly.

Products page(4.1):-



- This is products page where we add watches of different brands with their prices.
- Here we add lots sorted category of products.
- Here is we add a cart logo on every product if you click on this you will directly go on checkout page.

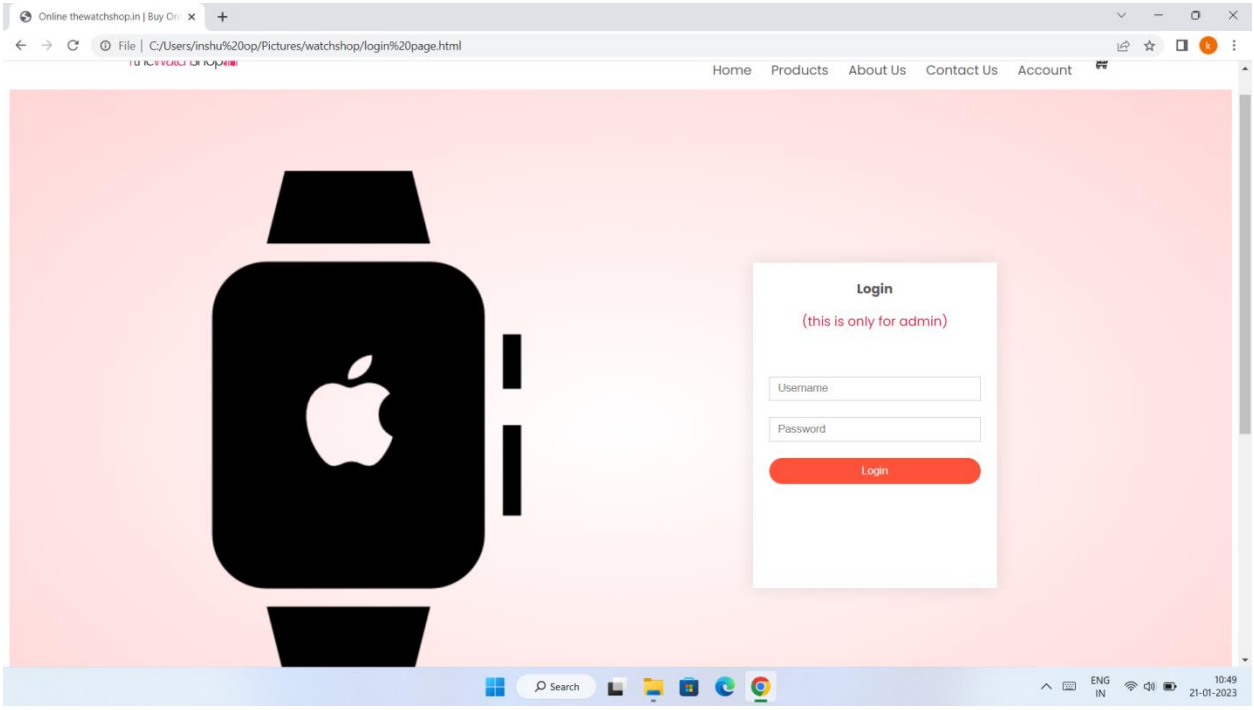
Payment page:



Payment page(details):-

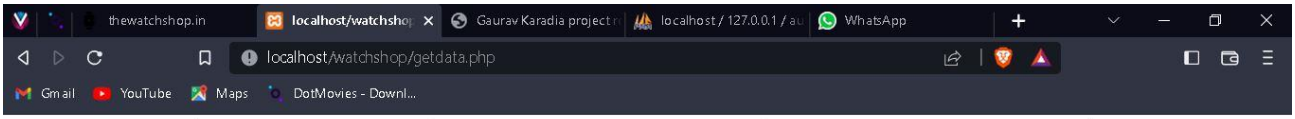
- This is payment page where we add QR code, whatsapp link and call back form.
- This website does not support online payment right now. So we add whatsapp QR or link for order the products.
- If you scan this QR our team will be connect with you.
- If you fill this form our team will be contact you shortly.

Login panel:-

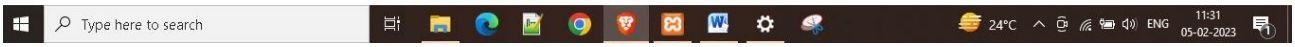


- This is the login page where you enter in the admin panel using the Id or Password.
- This panel are working with the admin.
- It will be used for the secure Login.

Visitors details page:-

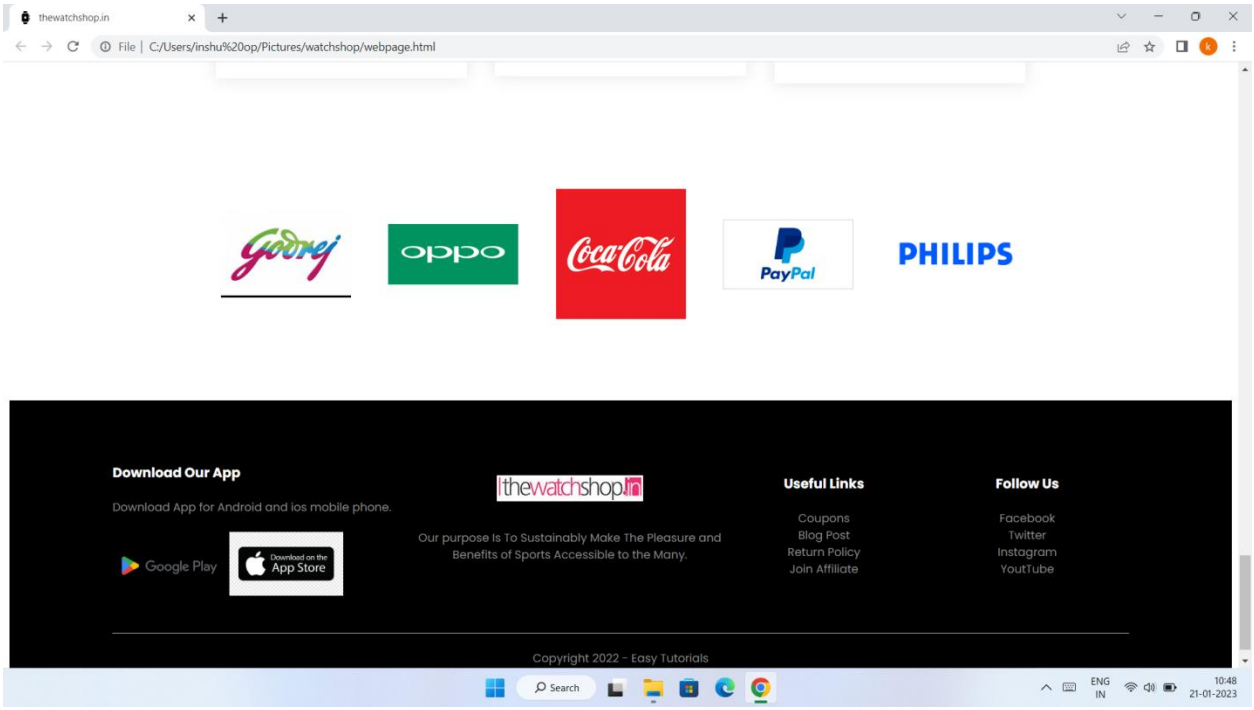


FULLNAME	EMAIL	measage
kinshuk suthar	kinshuksuthar@gmail.	hey please call
goku	goku@gmail.com	hii
ram	ram@gmail.com	hello
ds	wwe@gmail.com	asf4f
jiten	jitenkaradia@gmail.c	it is nice website
kanish	kanish@gmail.com	nice
harsh	harsh@gmail.com	hi this is nice website



- This is the visitors details page where admin can see the details of the daily visitors of website, who filled the form.
- This page is working with only admin.
- Here we add table for sorting all data's.

footer:-



Footer(details):-

- This is the footer of the all pages in the website.
- Footer is very easy to use and work like shortcut of any page of the website.

5.MECHANISMS USED:

Once source code has been generated, software must be tested to uncover (and correct) as many errors as possible before delivery to customer. Our goal is to design a series of test cases that have a high likelihood of finding errors. To uncover the errors software techniques are used. These techniques provide systematic guidance for designing test that

- Exercise the internal logic of software components, and
- Exercise the input and output domains of the program to uncover errors In program function, behaviour and performance.

5.1.1 Steps: Software is tested from two different perspectives:

- Internal program logic is exercised using —White box test case design Techniques.
- Software requirements are exercised using —block box test case Design techniques.

In both cases, the intent is to find the maximum number of errors with the Minimum amount of effort and time.

5.2 **Testing Methodologies:**

A strategy for software testing must accommodate low-level tests that are necessary to verify that a small source code segment has been correctly implemented as well as high-level tests that validate major system functions against customer requirements. A strategy must provide guidance for the practitioner and a set of milestones for the manager. Because the steps of the test strategy occur at a time when deadline pressure begins to rise, progress must be measurable and problems must surface as early as possible. Following testing techniques are well known and the same strategy is adopted during this project testing.

5.2.1 Unit testing:

Unit testing focuses verification effort on the smallest unit of software design- the software component or module. The unit test is white-box oriented. The unit testing implemented in every module of student attendance management

System. by giving correct manual input to the system ,the datas are stored in database and retrieved. If you want required module to access input or get the output from the End user. any error will accrued the time will provide handler to show what type of error will accrued .

5.2.2 System testing:

System testing is actually a series of different tests whose primary purpose is to fully exercise the computer-based system. Below we have described the two types of testing which have been taken for this project. it is to check all modules worked on input basis .if you want change any values or inputs will change all information. so specified input is must.

5.2.3 Performance Testing

Performance testing is designed to test the run-time performance of software within the context of an integrated system. Performance testing occurs throughout all steps in the testing process. Even at the unit level, the performance of an individual module may be assessed as white-box tests are conducted.

This project reduce attendance table, codes. it will generate report fast.no have extra time or waiting of results .entered correct data will show result few millisecond. just used only low memory of our system. Automatically do not getting access at another software. Get user permission and access to other applications.

5.2 Implementation Mechanisms :

System implementation is the important stage of project when the theoretical design is tuned into practical system. The main stages in the implementation are as follows:

- Planning
- Training

- System testing and
- Changeover Planning

Planning is the first task in the system implementation. At the time of implementation of any system people from different departments and system analysis involve. They are confirmed to practical problem of controlling various activities of people outside their own data processing departments.

The line managers controlled through an implementation coordinating committee. The committee considers ideas, problems and complaints of user department, it must also consider:

- The implication of system environment
- Self selection and allocation for implementation tasks
- Consultation with unions and resources available
- Standby facilities and channels of communication

Student Attendance management system will implement student details ,staff handle subjects details, separate login details ,time table details. It will used to entered subject wise attendance .This application elaborate attendance table generate weekly, consolidate report provide to the End user. Mostly this application will calculate date wise attendance .To select starting date to end date generate reports at the time of activities.

6. Future scope of the Project:

- In future, we can make the project where user can buy watches online by using thewatchshop.in (e-commerce).
- Also, we can add the features of tracking and quality assurance to improve our service.
- We can make the user interface more interactive by adding more features to our UI.
- We can suggest some great deals on watches to our already existing customers and as per there past purchase.
- We can add some great options for newlyweds like couple watches with a good deal.
- We can make it possible to reduce the shipping time and deliver watches the same day they have been ordered.

7. References :

https://www.w3schools.com/
https://codecademy.com/
https://stackoverflow.com/
https://getbootstrap.com/