VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELAGAVI-590018

A DBMS Mini-Project Report
On

"Sportify / Sports Gear - A Sports Equipment Shopping Website"

*Submitted in partial fulfillment of the requirements for the 5th semester of **Bachelor of Engineering in Computer Science and Engineering***
of Visvesvaraya Technological University, Belagavi

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CERTIFICATE

Certified that the DBMS mini-project work entitled **"Sportify | Sports Gear - A Sports Equiment Shopping Website"** has been successfully carried out by **Muddulur Likhith Varma** bearing USN **1RN19CS083** and **Kummara Raghu Lochan** bearing USN **1RN19CS070**, bonafide students of **RNS Institute of Technology** in partial fulfillment of the requirements for the **5th semester Bachelor of Engineering** in **Computer Science and Engineering** of **Visvesvaraya Technological University**, Belagavi, during the academic year 2021-2022. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The project report has been approved as it satisfies the mini-project requirements of the DBMS lab of 5th semester BE in CSE.

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1.

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ACKNOWLEDGMENT

Any achievement, be it scholastic or otherwise does not depend solely on the individual efforts but on the guidance, encouragement and cooperation of intellectuals, elders and friends. A number of personalities, in their own capacities have helped us in carrying out this project work. We would like to take this opportunity to thank them all.

We are grateful to **Dr. M K Venkatesha,** Principal, RNSIT, Bangalore, for his support towards completing this mini project.

We would like to thank **Dr. Kiran P** Prof. &Head, Department of Computer Science & Engineering, RNSIT, Bangalore, for his valuable suggestions and expert advice.

We deeply express our sincere gratitude to our guide **Mrs. Soumya N G,** Assistant Professor, **Mr. Sanjay P K**, Assistant Professor, Department of CSE, RNSIT, Bangalore, for their able guidance, regular source of encouragement and assistance throughout this project.

We would like to thank all the teaching and non-teaching staff of department of Computer Science & Engineering, RNSIT, Bengaluru for their constant support and encouragement.

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ABSTRACT

Sportify | Sports Gear - A Sports Equipment Shopping Website provides a portal for users to shop for different kinds of sports equipment of different kinds of sports easily and quickly from the comfort of their home. Keeping that in mind, we have designed a website with a user-friendly interface to login or signup for a new account and easily buy the products of his/her wish.

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CHAPTER 1

INTRODUCTION

1.1 DATABASE TECHNOLOGIES

The essential feature of database technology is that it provides an internal representation (model) of the external world of interest. Examples are the representation of a particular date/time/flight/aircraft in an airline reservation or of the item code/item description/quantity on hand/reorder level/reorder quantity in a stock control system.

The technology involved is concerned primarily with maintaining the internal representation consistent with external reality; this involves the results of extensive R&D over the past 30 years in areas such as user requirements analysis, data modelling, process modelling, data integrity, concurrency, transactions, file organisation, indexing, rollback and recovery, persistent programming, object-orientation, logic programming, deductive database systems, active database systems and in all these (and other) are as there remains much more to be done. The essential point is that database technology is a CORE TECHNOLOGY which has links to:

- Information management / processing

- Data analysis / statistics

- Data visualization / presentation

- Multimedia and hypermedia

- Office and document systems

- Business processes, workflow, CSCW(computer-supported cooperative work)

Relational DBMS is the modern base technology for many business applications. It offers flexibility and easy-to-use tools at the expense of ultimate performance. More recently relational systems have started extending their facilities indirections like information retrieval, object-orientation and deductive/active systems which lead to the so-called 'Extended Relational Systems'.

Information Retrieval Systems began with handling library catalogues and then extended to full free-text by utilizing inverted index technology with a lexicon or

thesaurus. Modern systems utilize some KBS(knowledge-basedsystems) techniques to improve the retrieval.

Object-Oriented DBMS started for engineering applications in which objects are complex, have versions and need to be treated as a complete entity. OODBMSs share many of the OOPL features such as identity, inheritance, late binding, overloading and overriding. OODBMSs have found favours in engineering and office systems but haven't been successful yet in traditional application areas.

Deductive / Active DBMS have evolved over the last 20 years and combines logic programming technology with database technology. This allows the database itself to react to the externalevents and also to maintain its integrity dynamically with respect to the real world.

1.2 CHARACTERISTICS OF DATABASE APPROACH

Traditional form included organising the data in file format. DBMS was a new concept then, and all kinds of research were done to make it overcome the deficiencies in traditional style of data management. A modern DBMS has the following characteristics −

- Real-world entity − A modern DBMS is more realistic and uses real-world entities to design its architecture. It uses behaviour and attribute too. For example, a school database may use students as an entity and their age as an attribute.

- Relation-based tables − DBMS allows entities and relations to form tables. A user can understand the architecture of a database by just looking at the table names.

- Isolation of data and application − A database system is entirely different than its data. A database is an active entity, whereas data is said to be passive, on which the database works and organizes. DBMS also stores metadata, which is data about data, to ease its own process.

- Less redundancy − DBMS follows the rules of normalization, which splits a relation when any of its attributes has redundancy in its values. Normalization is a mathematically rich and scientific process that will reduce the data redundancy.

- Consistency − Consistency is a state where every relation in a database remains consistent. There exists methods and techniques, that can detect an attempt of leaving database in an in consistent state. DBMS can provide greater consistency as compared to earlier forms of data storing applications like file-processing systems.

- Query Language − DBMS is equipped with query language, which makes it more efficient to retrieve and manipulate data. A user can apply as many and the filtering options as required to retrieve a set of data. Traditionally it was not possible where file-processing system was used.

- ACID Properties − DBMS follows the concepts of Atomicity, Consistency, Isolation, and Durability (normally shortened as ACID). These concepts are applied on transactions, which manipulate data in a database. ACID properties help the database to stay healthy in multi-transactional environments and also in case of failure.

- Multiuser and Concurrent Access − DBMS supports multi-user environment and allows them to access and manipulate data in parallel. Though there are restrictions on transactions when users attempt to handle the same data item, but users are always unaware of them.

- Multiple views − DBMS offers multiple views for different users. A user in the Sales department will have a different view of the database from the person working in the Production department. This feature enables the users to have a concentrate view of the database according to the requirements.

- Security − Features like multiple views offer security to certain extent when users are unable to access the data of other users and departments. DBMS offers methods to impose constraints while entering data into the database and retrieving the same at a later stage. DBMS offers many different levels of security features, which enables multiple users to have different views with different features. For example, a user in the Sales department cannot see the data that belongs to the Purchase department. It can also be helpful in deciding how much data of the Sales department should be displayed to the user. Since a DBMS is not saved on the disk as traditional file systems, it is very hard for miscreants to break the code.

1.3 APPLICATIONS OF DBMS

Applications of Database Management Systems:

- **Telecom**: There is a database to keeps track of the information regarding the calls made, network usage, customer details etc. Without the database system it is hard to maintain such huge amounts of data which gets updated every millisecond.

- **Industry**: Whether it is a manufacturing unit, a warehouse or a distribution centre, each one needs a database to keep the records of the ins and outs. For example, a distribution centre should keep a track of the product units that were supplied to the centre as well as the products that got delivered from the distribution centre on each day; this is where DBMS comes into picture.

- **Banking System**: For storing information regarding a customer, keeping a track of his/her day to day credit and debit transactions, generating bank statements etc is done with through Database management systems.

- **Education sector**: Database systems are frequently used in schools and colleges to store and retrieve the data regarding the student, staff details, course details, exam details, payroll data, attendance details, fees details etc. There is lots of inter-related data that needs to be stored and retrieved in an efficient manner.

- **Online shopping**: You must be aware of the online shopping websites such as Amazon, Flip kart etc. These sites store the product information, your addresses and preferences, credit details and provide you the relevant list of products based on your query. All this involves a Database management system.

1.4 PROBLEM DESCRIPTION/STATEMENT

The purpose of "Sportify | Sports Gear" website is to provide an online portal for shopping of sports equipment. People can shop for the equipment of various kinds of sports like cricket, football, basketball, volleyball etc. The website provides two views i.e. user and admin. The user can browse through the categories and add the products of his/her choice to the wishlist or the cart. Then he can checkout from the cart thereby placing the order. The admin can manage the products. He can add, delete and update the products and their details. Along with login option there is also a sign-up option which can be used by a new user to create a new account.

CHAPTER 2

REQUIREMENT ANALYSIS

2.1 HARDWARE REQUIREMENTS

The Hardware requirements are very minimal and the program can be run on most of machines.

Processor	:	Pentium 4 processor
ProcessorSpeed	:	2.4GHz
RAM	:	1GB
Storage Space	:	40GB
MonitorResolution	:	1024*768 or 1336*768 or 1280*1024

2.2 SOFTWARE REQUIREMENTS

1.   Operating System used : Windows 10

2.   Language : Html, CSS, JS, Php

3.   XAMPP Server : MySQL, PhpMyAdmin

4.   IDE used : Visual Studio Code

5.   Browser that supports HTML

2.3 FUNCTIONAL REQUIREMENTS

2.3.1 Major Entities

User: User is the entitythat signs up as a customer and browses through the categories of sports gear and adds them to his cart to buy them. Few attributes are name, email, contactno, password, shippingAddress.

Admin: Admin is the entity that logs in as a store manager who can add or delete products or even update the details of the available products in the website. Few attributes are id, username, password.

Category: There are various categories dedicated to different kinds of sports and their respective equipment. Few attributes are id, categoryName, categoryDescription.

Wishlist: It is an entity in which a customer stores his favorite products to be bought later. Few attributes are id, userId, productId.

2.3.2 End User Requirements

The technical requirements for the project are mentioned below.

2.3.2.1 HTML

Hypertext Markup Language (HTML) is the standard markup language for creating web pages and web applications. With Cascading Style Sheets (CSS) and JavaScript it forms a triad of cornerstone technologies for the World Wide Web. Web browsers receive HTML documents from a web server or from a local storage and render them to multimedia web pages. HTML describes the structure of a web page semantically and originally included cues for the appearance of the document.

HTML elements are the building blocks of HTML pages. With HTML constructs, images and other objects like interactive forms can be embedded into the rendered page. It provides a way to create structured documents by denoting structural semantics for the text like headings, paragraphs, lists, links, quotes and other items. HTML elements are delimited by tags that are written within angle brackets. Tags such as <img /> and <input /> introduce content into the page directly. Other tags such as <p>...</p> surround and provide information about document text and may include other tags as sub-elements. Browsers do not display the HTML tags, but use them to interpret the content of the

page. HTML can also embed programs written in a scripting language such as JavaScript which affect the behaviour and content of web pages. Inclusion of CSS defines the look and layout of content.

2.3.3.2 CSS

Cascading Style Sheets (CSS) is a style sheet language which is used for describing the presentation of a document written in a markup language. Although most often its used to set the visual style of web pages and user interfaces written in HTML and XHTML, the language can be applied to any XML document, including plain XML, SVG and XUL, and is also applicable to rendering in speech, or on other media. Along with HTML and JavaScript, CSS is a cornerstone technology used by most websites to create visually engaging webpages, user interfaces for web applications, and user interfaces for many mobile applications.

CSS is designed primarily to enable the separation of presentation and content, including aspects such as the layout, colours, and fonts. This separation can improve content accessibility, provide more flexibility and control in the specification of presentation characteristics, enable multiple HTML pages to share the formatting by specifying the relevantCSS in a separate .css file, and reduce complexity and repetition in the structural content.

2.3.2.3 Javascript

JavaScript often abbreviated JS, is a programming language that is one of the core technologies of the World Wide Web, alongside HTML and CSS. Over 97% of websites use JavaScript on the client side for web page behavior, often incorporating third-party libraries. All major web browsers have a dedicated JavaScript engine to execute the code on users' devices.

JavaScript is a high-level, often just-in-time compiled language that conforms to the ECMAScript standard. It has dynamic typing, prototype-based object-orientation, and first-class functions. It is multi-paradigm, supporting event-driven, functional, and imperative programming styles. It has application programming interfaces (APIs) for working with text, dates, regular expressions, standard data structures, and the Document Object Model (DOM).

2.3.2.4 PHP

PHP is a server-side scripting language designed primarily for web development but is also used as a general-purpose programming language. Originally created by RasmusLerdorf in 1994, the PHP reference implementation is now produced by The PHP

Development Team. PHP originally stood for Personal Home Page, but it now stands for the recursive acronym PHP: Hypertext Pre-processor.

PHP code can be embedded into HTML or HTML5 markup, or it can be used in combination with various web template systems, web content management systems and web frameworks. PHP code is usually processed by a PHP interpreter implemented as a module in the web server or as a Common Gateway Interface (CGI) executable. The web server software combines the results of the interpreted and executed PHP code, which may be any type of data, including images, with the generated web page. PHP code can also be executed with a command-line interface (CLI) and can be used to implement standalone graphical applications.

The standard PHP interpreter, powered by the Zend Engine, is a free software released under the PHP License. PHP has been widely ported and can be deployed on most web servers, on almost every operating system and platform, free of charge. The PHP language evolved without a written formal specification or standard until 2014, leaving the canonical PHP interpreter as a de facto standard. Since 2014 work has gone into creating a formal PHP specification. HP development began in 1995 when RasmusLerdorf wrote several Common Gateway Interface (CGI) programs in C, which he used in order to maintain his personal homepage. He extended them to work with web forms and to communicate with databases, and called this implementation "Personal Home Page/Forms Interpreter" or PHP/FI.

PHP/FI could help to build simple, dynamic web applications. To accelerate bug reporting and to improve the code, Lerdorf initially announced the release of PHP/FI as "Personal Home Page Tools (PHP Tools) version 1.0" on the Usenet discussion group on June 8, 1995 This release already had the basic functionality that PHP has as of 2013. This included Perl-like variables, form handling, and the ability to embed HTML. The syntax resembled that of Perl but was simpler, more limited and less consistent.

2.3.2.5 MySQL

MySQL is a Relational Database Management System (RDBMS). MySQL server can manage many databases at the same time. In fact, many people might have different

databases managed by a single MySQL server. Each database consists of a structure to hold onto the data itself. A data-base can exist without data, only a structure, be totally empty, twiddling its thumbs and waiting for data to be stored in it.

Data in a database is stored in one or more tables. You must create the data-base and the tables before you can add any data to the database. First you create the empty database. Then you add empty tables to the database. Database tables are organized in rows and columns. Each row represents an entity in the database, such as a customer, a book, or a project. Each column contains an item of information about the entity, such as a customer name, a book name, or a project start date. The place where a particular row and column intersect, the individual cell of the table, is called a field. Tables in databases can be related. Often a row in one table is related to several rows in another table. For instance, you might have a database containing data about books you own. You would have a book table and an author table. One row in the author table might contain information about the author of several books in the book table. When tables are related, you include a column in one table to hold data that matches data in the column of another table. MySQL, the most popular Open Source SQL database management system, is developed, distributed, and supported by MySQL AB. MySQL AB is a commercial company, founded by the MySQL developers. It is a second generation Open Source company that unites Open Source values and methodology with a successful business model.

MySQL is a database management system. A database is a structured collection of data. It can be anything from a simple shopping list to a picture gallery or the vast amount of information in a corporate network. To add, access, and process data stored in a computer database, you need a database management system such as MySQL Server. Since computers are very good at handling large amounts of data, database management systems play a central role in computing, as standalone utilities, or as parts of other applications.

MySQL is a relational database management system. A relational database stores data in separate tables rather than putting all the data in one big storeroom. This adds speed and flexibility. The SQL part of "MySQL" stands for "Structured Query Language." SQL is

the most common standardized language used to access databases and is defined by the ANSI/ISO SQL Standard. The SQL standard has been evolving since 1986 and several versions exist. "SQL-92" refers to the standard released in 1992, "SQL:1999" refers to the standard released in 1999, and"SQL:2003" refers to the current version of the standard. We use the phrase "the SQLstandard" to refer to the current version of the SQL Standard.

MySQL software is Open Source. Open Source means that it is possible for anyone to use and modify the software. Anybody can download the MySQL software from the Internet and use it without paying anything. If you wish, you may study the source code and change it to suit your needs. The MySQL software uses the GPL (GNU General Public License), to define what you may and may not do with the software in different situations.

MySQL Database Server is very fast, reliable and easy to use. MySQL Server was originally developed to handle large databases and has been successfully used in highly demanding production environments for several years. MySQL Server today offers a rich and useful set of functions. Its connectivity, speed, and security make MySQL Server highly suited for accessing databases on the Internet.

MySQL Server works in a client/server or embedded systems. The MySQL Database Software is a client/server system which consists of a multi-threaded SQL server that supports different back ends, several different client programs and libraries, administrative tools, and a wide range of application programming interfaces(APIs).

2.3.2.6 XAMPP Server

Xampp server installs a complete, ready-to-use development environment. Xampp server allows you to fit your needs and allows you to setup a local server with the same characteristics as your production.

While setting up the server and PHP on your own, you have two choices for the method of connecting PHP to the server. For many servers, PHP has a direct module interface (also called SAPI). These servers include Apache, Microsoft Internet Information Server, Netscape and iPlanet servers. Many other servers support ISAPI, the Microsoft module interface (Omni HTTP d for example). If PHP has no module support for your web server, you can always use it as a CGI or FastCGI processor. This means you

set up your server to use the CGI executable of PHP to process all PHP file requests on the server.

CHAPTER 3
DATABASE DESIGN

3.1 Entities, attributes and relationships

The core entities in our "Sportify | Sports Gear" website are admin, users, userlog, products, category, subcategory, productreviews, orders, ordertrackhistory, wishlist.

Their attributes are as follows:

Admin: id, username, password, creationDate, updationDate

Users: id, name, email, contactno, password, shippingAddress, shippingState, shippingCity, shippingPincode, billingAddress, billingState, billingCity, billingPincode, regDate, updationDate

Userlog: id, userEmail, userip, loginTime, logout, status

Products: id, category, subCategory, productName, productCompany, productPrice, productPriceBeforeDiscount, productDescription, productImage1, productImage2, productImage3, shippingCharge, productAvailability, postingDate, updationDate

Category: id, categoryName, categoryDescription, creationDate, updationDate

Subcategory: id, categoryId, subcategory, creationDate, updationDate

Productreviews: id, productId, quality, price, name, value, summary, review, reviewDate

Orders: id, userId, productId, quantity, orderDate, paymentMethod, orderStatus

Ordertrackhistory: id, orderId, status, remark, postingDate

Wishlist: id, userId, productId, postingDate

3.2 ER and schema
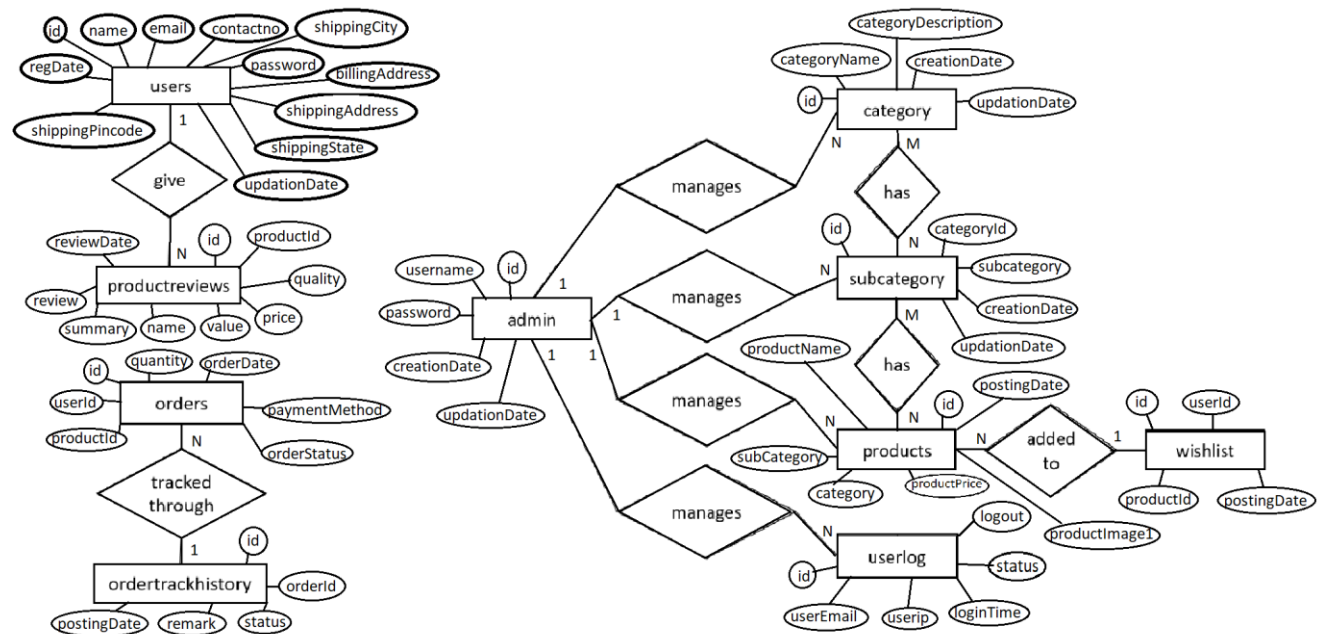
Fig.3.1 ER Diagram for Sportify | Sports Gear Website

3.3 Relational Schema
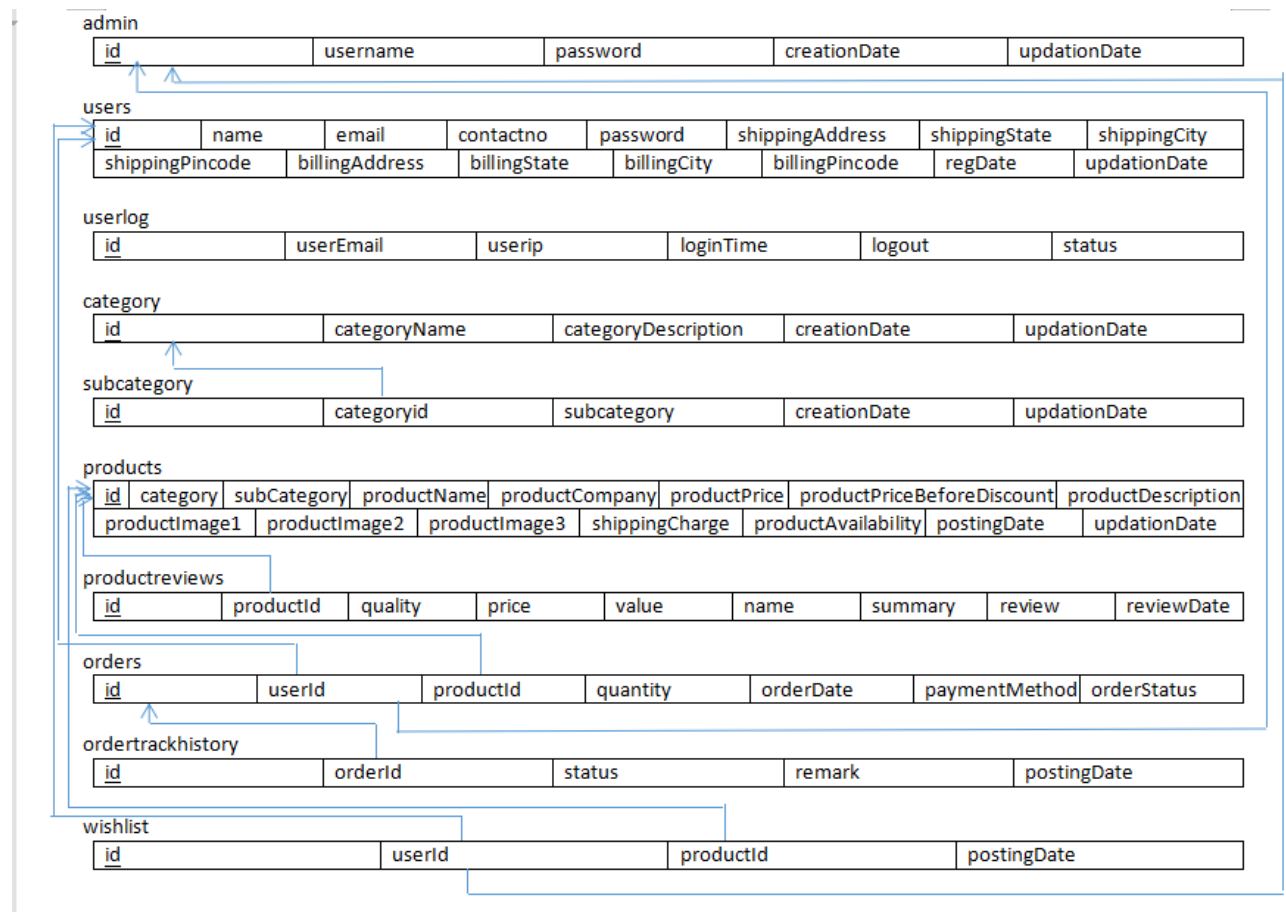
Fig.3.2. Schema for Sportify | Sports Gear Website

CHAPTER 4

IMPLEMENTATION

4.1 Creating Database Connection

1. PHP provides built-in database connectivity for a wide range of databases – MySQL, PostgreSQL, Oracle, Berkeley DB, Informix, Lotus Notes, and more.

2. <?php

define('DB_SERVER','localhost');

define('DB_USER','root');

define('DB_PASS' ,'');

define('DB_NAME', 'shopping');

$con = mysqli_connect(DB_SERVER,DB_USER,DB_PASS,DB_NAME);

// Check connection

if (mysqli_connect_errno())

{

 echo "Failed to connect to MySQL: " . mysqli_connect_error();

}

?>

Architecture used (4-TIER architecture)
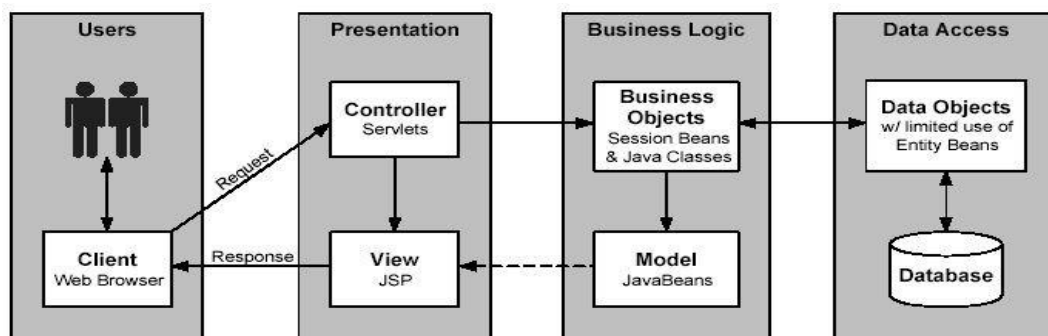
Figure 4.1 The 4-TIER architecture

Four Tier architecture is a client–server architecture in which presentation, application processing, and data management functions are physically separated. Four-tier application architecture provides a model by which developers can create flexible and reusable applications. By segregating an application into tiers, developers acquire the option of modifying or adding a specific layer, instead of reworking the entire application.

Presentation layer

This is the topmost level of the application. The presentation tier displays information related to services such as browsing merchandise, purchasing and shopping cart contents. It also communicates with other tiers and puts out the results to the browser/client tier and to all other tiers in the network. In simple terms, it is a layer which users can access directly (such as a web page, or an operating system's GUI).

Business layer

Business layer or domain logic is the part of the program that encodes the real-world business rules which determine how data can be created, stored, and changed. It is contrasted with the remainder of the software that might be concerned with lower-level details of managing a database or displaying the user interface, system infrastructure, or generally connecting various parts of the program.

Data access layer

A Data Access Layer (DAL) in computer software is a layer of computer program which provides simplified access to data stored in persistent storage.

For example, the DAL might return a reference to an object (in terms of object-oriented programming) with its attributes instead of a row of fields from a database table. This allows the client (or user) modules to be created with a higher level of abstraction. This kind of model could be implemented by creating a class of data access methods that directly reference a corresponding set of database stored procedures. Another implementation could potentially retrieve or write records to or from a file system. The DAL hides the complexity of the underlying data store from the external world.

Control layer

The control layer is responsible for the communication between business and presentation layer. It connects logic and data with each other and provides a better connectivity and separation between layers.

4.2 Pseudo Code for Major Functionalities

Login: It is used for login purposes. When we enter the correct email and password it will go to the next page. We can use signup to create an account.

```
if(isset($_POST['login']))

{

    $email=$_POST['email'];

    $password=md5($_POST['password']);

    $query=mysqli_query($con,"SELECT * FROM users WHERE email='$email' and
    password='$password'");

    $num=mysqli_fetch_array($query);

    if($num>0)

    {

        $extra="my-cart.php";

        $_SESSION['login']=$_POST['email'];

        $_SESSION['id']=$num['id'];

        $_SESSION['username']=$num['name'];

        $uip=$_SERVER['REMOTE_ADDR'];

        $status=1;
```

```php
    $log=mysqli_query($con,"insert          into          userlog(userEmail,userip,status)
values('".$_SESSION['login']."','$uip','$status')");

    $host=$_SERVER['HTTP_HOST'];

    $uri=rtrim(dirname($_SERVER['PHP_SELF']),'/\\');

    header("location:http://$host$uri/$extra");

    exit();

}

else

{

    $extra="login.php";

    $email=$_POST['email'];

    $uip=$_SERVER['REMOTE_ADDR'];

    $status=0;

    $log=mysqli_query($con,"insert          into          userlog(userEmail,userip,status)
values('$email','$uip','$status')");

    $host  = $_SERVER['HTTP_HOST'];

    $uri  = rtrim(dirname($_SERVER['PHP_SELF']),'/\\');

    header("location:http://$host$uri/$extra");

    $_SESSION['errmsg']="Invalid email id or Password";

    exit();

}
```

```
}
```

Sign up: This is used to register a new account.

```
if(isset($_POST['submit']))
{
        $name=$_POST['fullname'];
        $email=$_POST['emailid'];
        $contactno=$_POST['contactno'];
        $password=md5($_POST['password']);
        $query=mysqli_query($con,"insert into users(name,email,contactno,password)
values('$name','$email','$contactno','$password')");
        if($query)
        {
                echo "<script>alert('You are successfully register');</script>";
        }
else
{
        echo "<script>alert('Not register something went worng');</script>";
}
}
```

Insert: This is for insertion of values into the tables.

```
$sql=mysqli_query($con,"insert into
products(category,subCategory,productName,productCompany,productPrice,productDesc
ription,shippingCharge,productAvailability,productImage1,productImage2,productImage3
,productPriceBeforeDiscount)
values('$category','$subcat','$productname','$productcompany','$productprice','$productde
scription','$productscharge','$productavailability','$productimage1','$productimage2','$pro
ductimage3','$productpricebd')");
$_SESSION['msg']="Product Inserted Successfully !!";
```

Update: This is for updating the table entries.

```
$sql=mysqli_query($con,"update                    products                    set
category='$category',subCategory='$subcat',productName='$productname',productCompa
```

ny='$productcompany',productPrice='$productprice',productDescription='$productdescrip

tion',shippingCharge='$productscharge',productAvailability='$productavailability',product

PriceBeforeDiscount='$productpricebd' where id='$pid' ");

$_SESSION['msg']="Product Updated Successfully !!";

Delete: This is for deleting the table entries.

if(isset($_GET['del']))

{

   mysqli_query($con,"delete from products where id = '".$_GET['id']."'");

   $_SESSION['delmsg']="Product deleted !!";

}
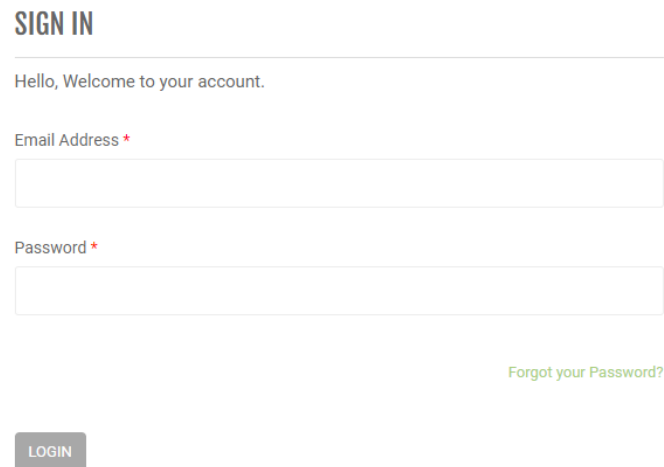
Trigger: Trigger is added so that the total price, total quantity are calculated automatically when products are added to the cart.

```php
<?php
        $pdtid=array();
        $sql = "SELECT * FROM products WHERE id IN(";
        foreach($_SESSION['cart'] as $id => $value)
        {
                $sql .=$id. ",";
        }
        $sql=substr($sql,0,-1) . ") ORDER BY id ASC";
        $query = mysqli_query($con,$sql);
        $totalprice=0;
        $totalqunty=0;
        if(!empty($query)){
                while($row = mysqli_fetch_array($query)){
                $quantity=$_SESSION['cart'][$row['id']]['quantity'];
                $subtotal=$_SESSION['cart'][$row['id']]['quantity']*$row['productPrice']+
                $row['shippingCharge'];
                $totalprice += $subtotal;
                $_SESSION['qnty']=$totalqunty+=$quantity;
                array_push($pdtid,$row['id']);
                //print_r($_SESSION['pid'])=$pdtid;exit;
?>
```

CHAPTER 5

RESULTS , SNAPSHOTS AND DISCUSSIONS
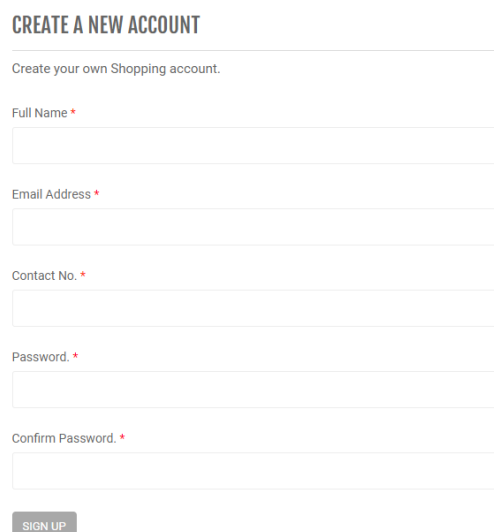
Login page: This page allows the users to login into the application as shown in fig. 5.1.

Fig. 5.1 Login page

Signup page: This page allows users to create a new account if the account does not exist as shown in fig. 5.2.

Fig. 5.2 Signup page

Homepage: Allows the students to enter their basic details and also to view their entries as shown in fig. 5.3.
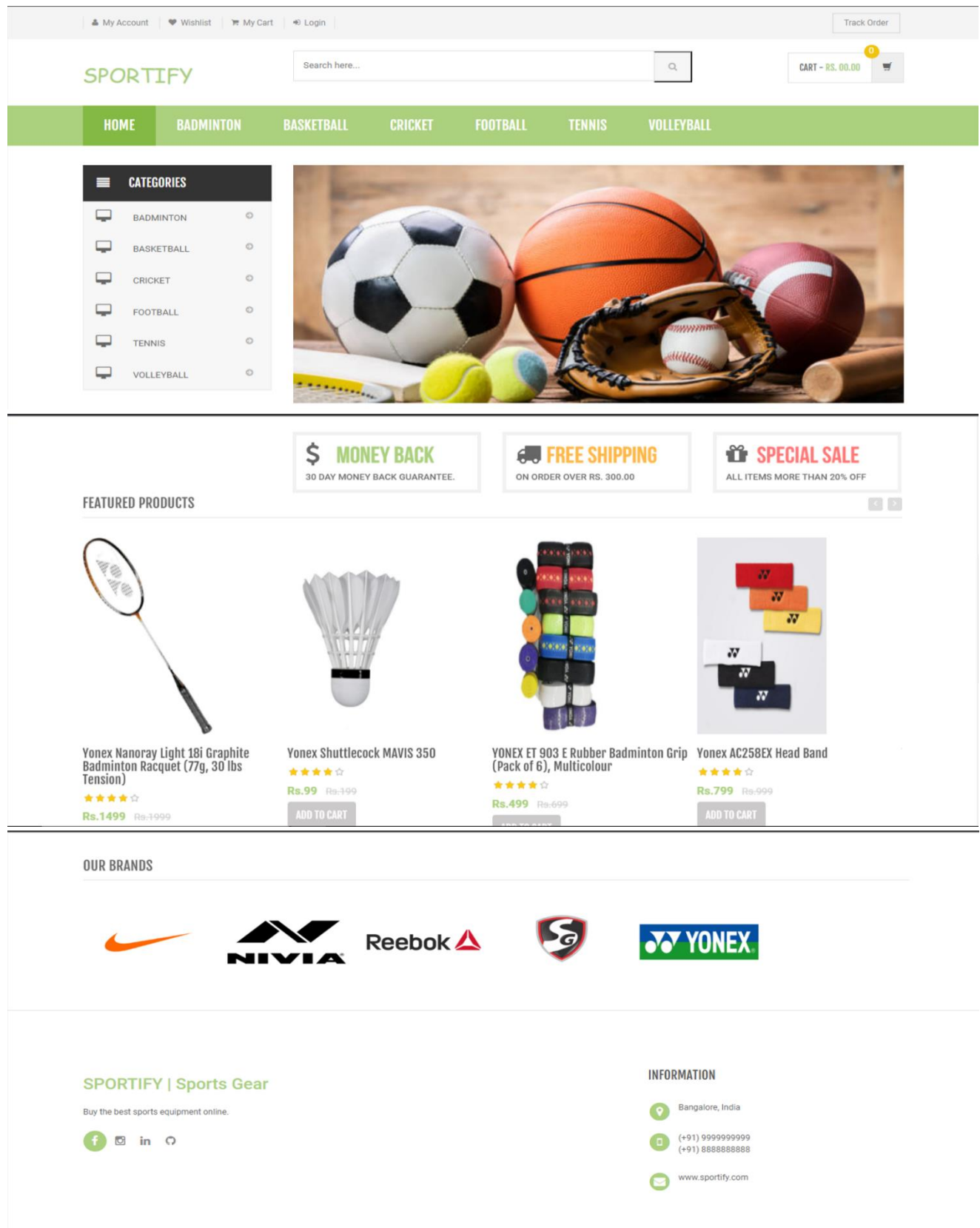
Fig. 5.3 Homepage

Categories: Allows the user to view the products under that particular category as shown in fig. 5.4.
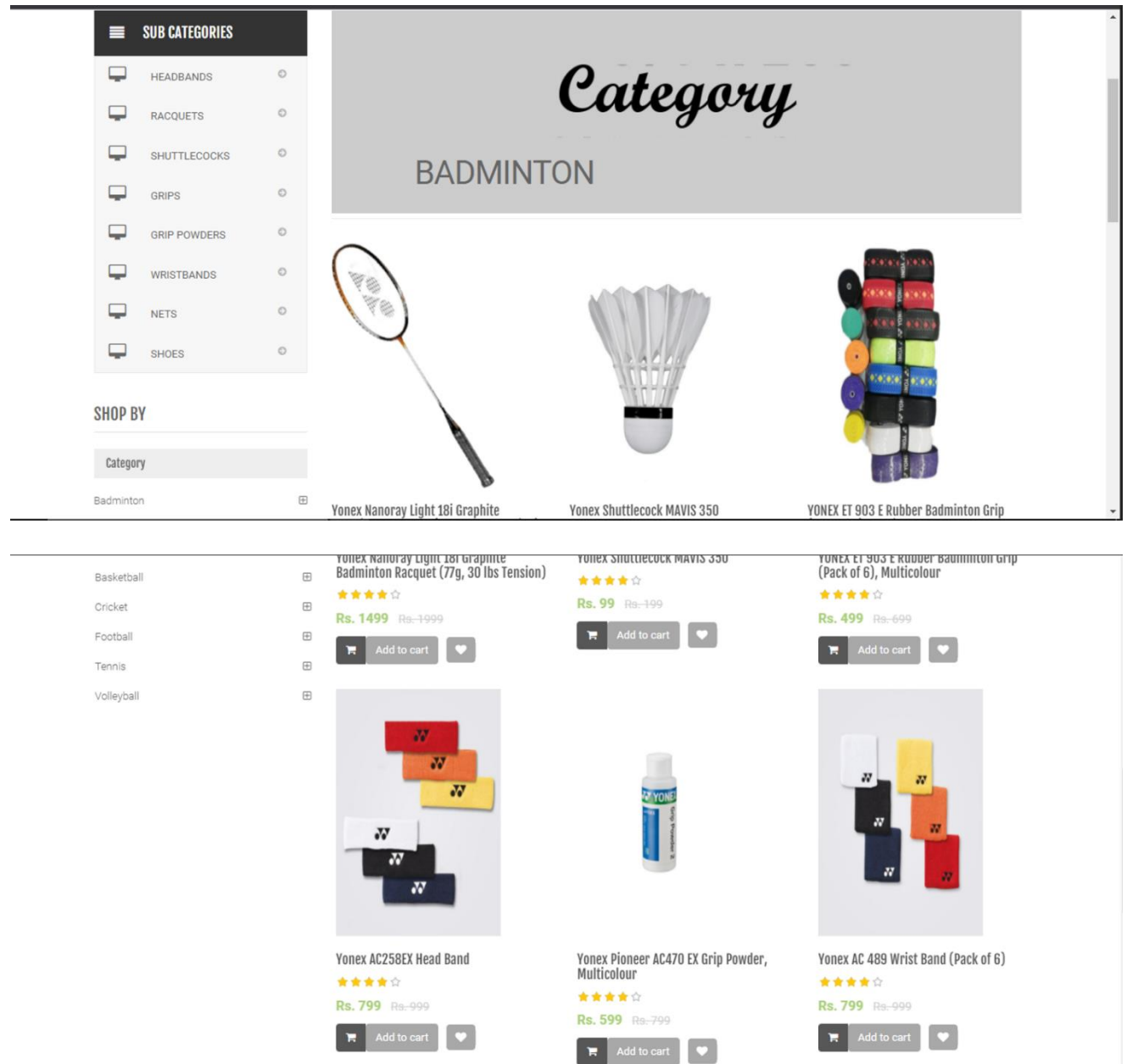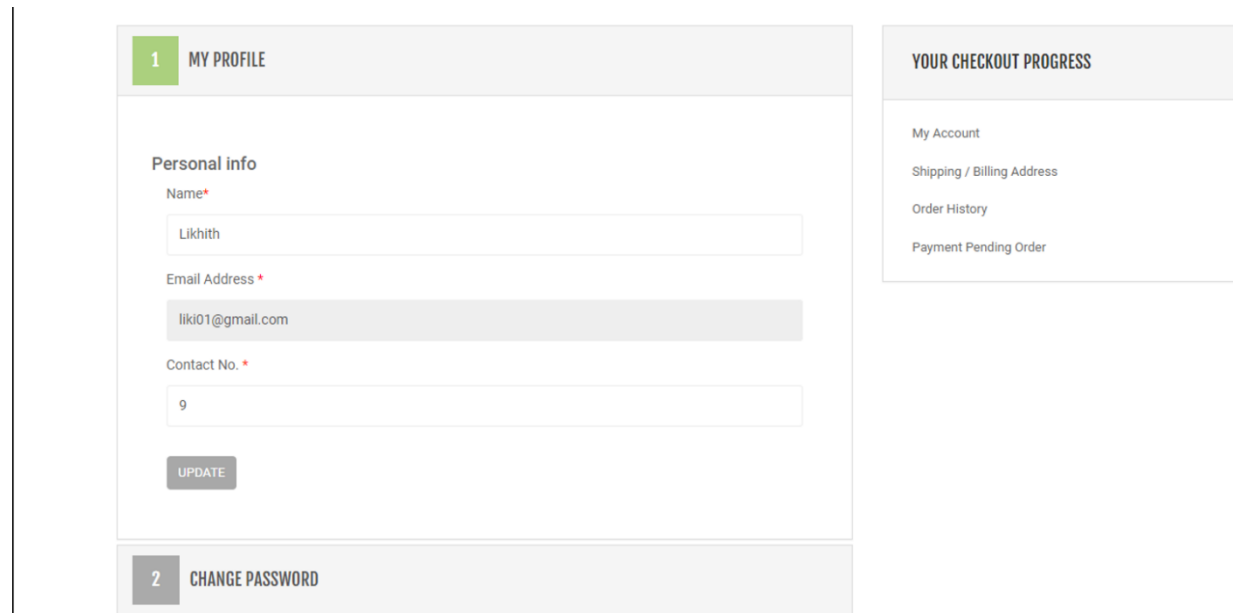
Fig. 5.4 Categories

Profile: This page enables the user to view his profile details, change password, edit his address details, view his order history etc. as shown in fig. 5.5.

Fig. 5.5 Profile

Wishlist: The user can store his favorite products that he wishes to buy later in his wishlist as shown in fig. 5.6.
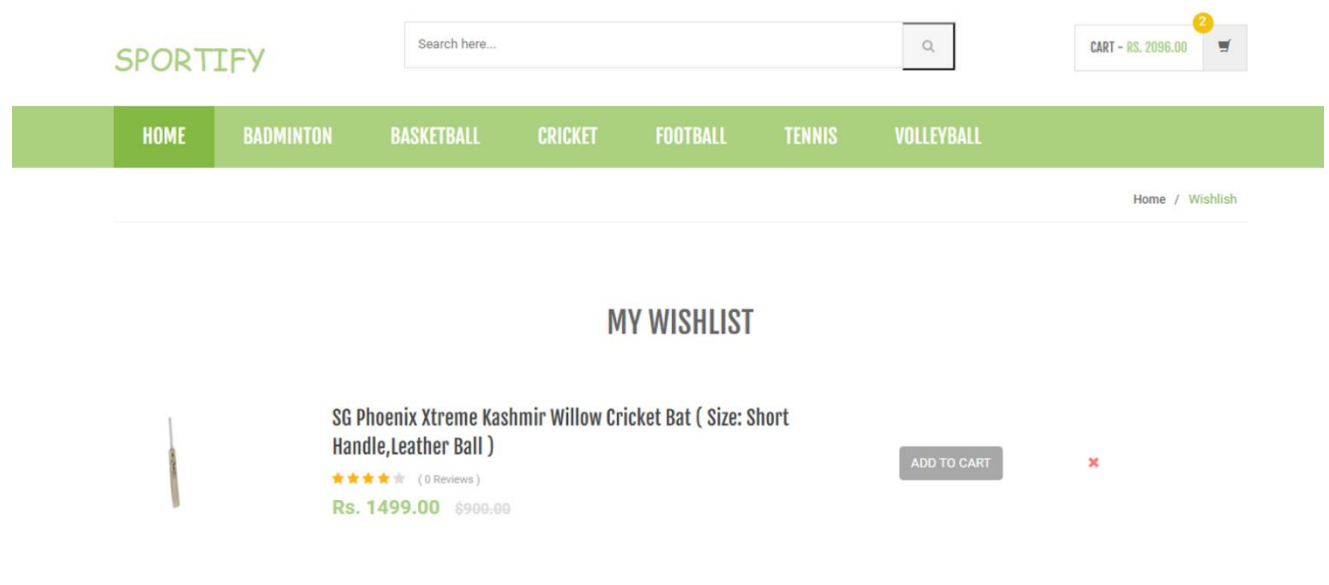
Fig. 5.6 Wishlist

Cart: The products which the user adds to the cart are shown in this page before checkout as shown in fig. 5.7.

Fig. 5.7 Cart

Payment Methods: The user can choose the method by which he wants to pay for this order as shown in fig. 5.8.
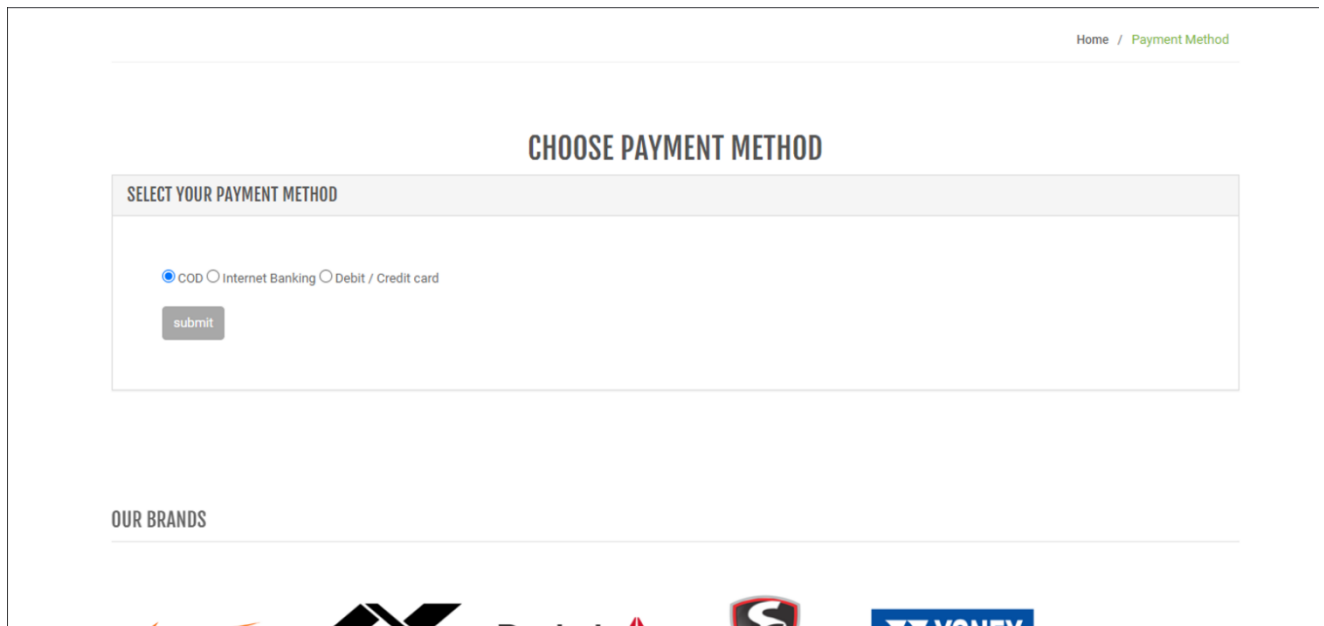
Fig. 5.8 Payment Methods

Track Order: The user can track his order status as shown in fig. 5.9.
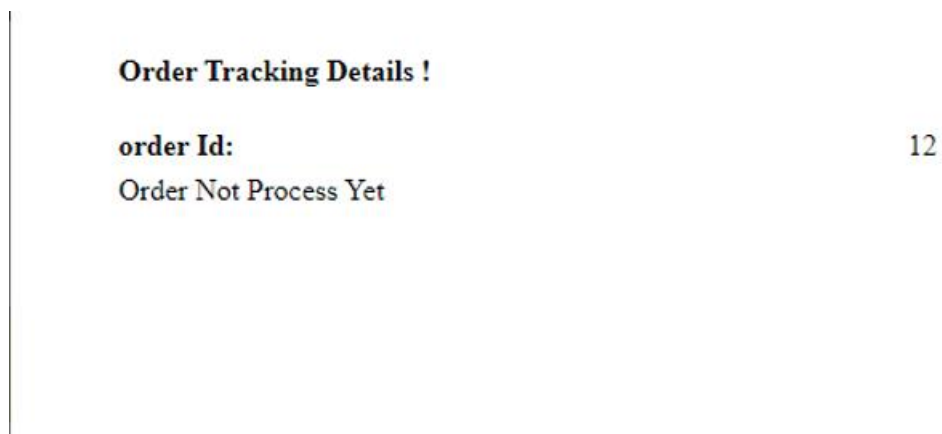
Fig. 5.9 Track Order

Order Management: The admin can view the orders received and and update the status of the pending orders as shown in fig. 5.10.

Fig. 5.10 Order Management

Users Management: The admin can view the users as shown in fig. 5.11.

Fig. 5.11 Users Management

Category Management: The admin can view and edit the details of the categories available and also can create new categories as shown in fig. 5.12.


Fig. 5.12 Category Management

Subcategory Management: The admin can view and edit the details of the subcategories available and also can create new subcategories as shown in fig. 5.13.

Fig. 5.13 Subcategory Management

**Insert Products:** The admin can insert new products as shown in fig. 5.14.

Fig. 5.14 Insert Products

**Userlog:** The admin can view the login details of different users in this page as shown in fig. 5.15.

Fig. 5.15 Userlog

Table entries:

Admin table: Fig 5.16 shows entries of Admin table.

Fig. 5.16 Admin table

Users table: Fig 5.17 shows entries of Users table.

Fig. 5.17 Users table

**Userlog table:** Fig 5.18 shows entries of Userlog table.

Fig. 5.18 Userlog table

**Category table:** Fig 5.19 shows entries of Category table.

Fig. 5.19 Category table

**Subcategory table:** Fig 5.20 shows entries of Subcategory table.

Fig. 5.20 Subcategory table

Orders table: Fig 5.21 shows entries of Orders table.

Fig. 5.21 Orders table

OrderTrackHistory table: Fig 5.22 shows entries of OrderTrackHistory table.

Fig. 5.22 OrderTrackHistory table

**Products table:** Fig 5.23 shows entries of Products table.

Fig. 5.23 Products table

Wishlist table: Fig 5.24 shows entries of Wishlist table.

Fig. 5.24 Wishlist table

CHAPTER 6

CONCLUSION AND FUTURE ENHANCEMENTS

6.1 Conclusion

The purpose of "Sportify | Sports Gear" website is to provide a portal for shopping sports equipment easily and quickly without having to go to a store offline and wasting time and energy. Keeping that in mind, we have designed the website in such way that the user can easily find the product he wants to buy from the different categories of products available on the website. The user can login or signup for a new account and easily order the products he wants to buy by adding them to the cart.

Our back-end tech is reliable and efficient enough to not create any hurdles from the time the user logs onto the website to the time when he/she has ordered the products and logs out. We hope that the users have a seamless experience.

6.2 Future Enhancements

The project database could be improved by adding some more attributes and tables. Further changes can be easily done by changing the code. The front end of the website can be made more attractive by using more advanced concept of css,bootstrap.

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