RAMAIAH
Institute of Technology

BOOK EXCHANGE DATABASE SYSTEM

DATABASE PROJECT REPORT

SUBMITTED BY

Name: Chaitanya S Prakash   **USN: 1MS19CS037**

Name: Chinmay S Nadgir   **USN: 1MS19CS038**

Name: Goutham Suresh   **USN: 1MS19CS046**

Database Systems– CS52

SUPERVISED BY

SANJEETHA. R

ASSISTANT PROFESSOR

DEPARTMENT OF CSE

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

RAMAIAH INSTITUTE OF TECHNOLOGY

Oct 2021 – Feb 2022

Department of Computer Science and Engineering

Ramaiah Institute of Technology

(Autonomous Institute, Affiliated to VTU)

Bangalore – 54

CERTIFICATE

This is to certify that **Name: Chaitanya S Prakash (USN:1MS19CS037)**, **Name: Chinmay S Nadgir (USN: 1MS19CS038)** and **Name: Goutham Suresh (USN: 1MS19CS046)** have completed the **"BOOK EXCHANGE DATABASE"** as part of Database Project. We declare that the entire content embodied in this B.E. 5th Semester report contents are not plagiarized.

Guided by

Submitted by

Sanjeetha. R
(Dept of CSE, RIT)

Name: Chaitanya S Prakash   USN: 1MS19CS037

Name: Chinmay S Nadgir   USN: 1MS19CS038

Name: Goutham Suresh   USN: 1MS19CS046

Department of Computer Science and Engineering

Ramaiah Institute of Technology

(Autonomous Institute, Affiliated to VTU)

Bangalore – 54

Evaluation Sheet

Sl. No	USN	Name	DBS Application Design and Coding (10)	Demo & Report submission (10)	Total Marks (20)
1.	1MS19CS037	Chaitanya S Prakash			
2.	1MS19CS038	Chinmay S Nadgir			
3.	1MS19CS046	Goutham Suresh			

Evaluated by

Sanjeetha. R

Assistant Professor

Computer Science & Engineering, RIT

CONTENTS

ABSTRACT

A beauty of an institution lies in the fact that brilliant minds from all over the world gather at one place, with the motivation to gain and share their knowledge with one another. Having to live in a new city poses its own set of challenges and the purchasing of new textbooks contributes to a fair share of a student's living expense. While acquiring them second hand might seem like a more affordable option, non residents are not well versed with the local markets. Pass on is a web portal which can be used to exchange textbooks within a particular institution. This system is developed mainly with the purpose of helping college students purchase or sell their used course books. Any student of that institution can register and become an avid user of the website. It serves as a central database storing relevant textbooks for the courses offered. Seniors can post advertisements stating the condition of the book and quoting a price they see as appropriate for the same. As they are all members of the same college, the juniors benefit from the extended convenience. They have easy access to the recommended books and it also nurtures a healthy and sustainable bond between students. A purpose that supersedes the afore mentioned objectives is that buying used textbooks leads to production of lesser new ones, thereby minimising one's carbon footprint.

Keywords:

Students, institution, textbooks, database, affordable, sustainable, carbon footprint

INTRODUCTION

Background and motivation:

Every year colleges experience an influx of new students from all over the country. It was commonly observed that non residential students faced obstacles with acquiring the required textbooks. Although the college libraries do their best, it is not possible for them to provide to everyone. Hence, the inspiration for the creation of Pass on. Pass on is a website that facilitates the easy buying and selling of used college textbooks among students of a particular institution. It aims at making this transaction an affordable and beneficial experience for both parties involved. It acts as a central database containing various textbooks pertaining to courses offered by the university.

The Indian paper industry alone generates around 4 million tonnes of waste of which only 20% is recycled. We wish to do our part in reducing our contribution to this waste generation by encouraging the purchase of second hand books. This way the books that are in good conditions are reused by someone who needs them rather than being dumped in a landfill. In that manner rather than being dumped in a landfill, the books will utilized by someone who needs them.

A few advantages of using our website are listed below:

- Freshers are not spending an exorbitant sum of money on new textbooks.
- Seniors are compensated fairly for selling the textbooks they have no further use of.
- It is eco-friendly as it saves paper.
- It saves freshers the trouble of having to travel to book marts in a new city.

Scope:

- Current scope

    The website is currently limited to students of a particular institution

- Future scope

    In future, we wish to collect versatile data, implement more features and make the website available to everyone by hosting it on a public domain.

METHODOLGY

Pass on provides a web based interface implemented using HTML5, CSS and Java script. The website has a 'Home' page, 'Sell' page, 'Buy' page and a 'Contact us' page. It also two articles specifying why one should consider our services and how the environment benefits from the same. The users are required to register and login using an email and password. Only authorised users are allowed to post ads and purchase books. The website has a form using which a user can post their ad. The 'Sell' page consists of a 'Name' field, an 'Email' field, a 'Subject' field and 'Message' box which requires the user to mention the condition of the book they are selling and the price they are quoting for it. An 'Choose file' option prompts the user to upload an image of the book in jpeg form. After filling all the requirements they are required to click on the 'Submit AD for verification' button. All this information is stored in a database in their respective fields.

The database is implemented using PHP and MySql. PHP (recursive acronym for PHP: Hypertext Preprocessor) is a widely-used open source general-purpose scripting language that is especially suited for web development and can be embedded into HTML. As PHP is maintained by multiple developers, bugs are quickly rectified. MySQL is a relational database management system. A relational database stores information in different tables, rather than in one giant table. These tables can be referenced to each other, to access and maintain data easily. It is fast, reliable and easy to use.

The database assigns an id for each book and stores the title, condition, image and price of a book along with the contact information of the user posting the advertisement. The 'Buy' page allows the user to search for a particular book by its title. It also provides an option to sort the available books based on the branch the subject belongs to. Based on the user's queries, the most relevant results are fetched from the database and displayed and the option to contact the seller is provided.

REQUIREMENTS

We have assumed that the website will be running on a properly working web server and database system with an internet connection that allows it to perform the required communications.

- The functional requirements identified are as follows:
  1. Allow any member of an institution to signup.
  2. Prompts the user to register and login using an email id and alphanumeric password to avail the services of the website.
  3. Allow only authorised users to post ads and purchase books.
  4. Users interested in posting ads are required to mention the condition and price of the book along with their contact information.
  5. The picture being uploaded must be in jpeg form.
  6. All information entered is securely stored and maintained in the database.
  7. The 'Buy' page of the website displays all the available books.
  8. The 'Buy' page is required to display the picture, title, author's name, edition, condition and price of all the available books.
  9. The user's requests are translated into queries and the pertinent results are retrieved and displayed.
  10. Allows users to search for books by the title and provides optimal results.
  11. Allows users to sort their books based on the branch the subject belongs to.
  12. Upon finding results matching the user's query, the relevant results along with the contact details of the seller are fetched from the database and displayed on the user's web interface.
  13. If the book the user has searched for is unavailable, a message stating the same is displayed to the user and they are redirected to the 'Home' page.

- The non functional requirements identified are as follows:
  1. The website must have a quick response and good real-time performance.
  2. The website must be safe and reliable.

3. The website should be user friendly.

4. The website is easy to use and comprehensive.

5. The website must not require high levels of technical knowledge to operate.

- Hardware Requirements:
    1. Processor – i3
    2. Hard Disk – 50 GB
    3. Memory – 1GB RAM
    4. Monitor
    5. Working internet connection

- Software Requirement:
    1. Windows 7 or higher
    2. XAMMP control panel to access phpMyAdmin
    3. Text Editor for the execution of HTML, CSS and Java script
    4. My SQL
    5. Browser of any sort like, Google Chrome, Internet Explorer, Mozilla Firefox, Microsoft Edge, Safari
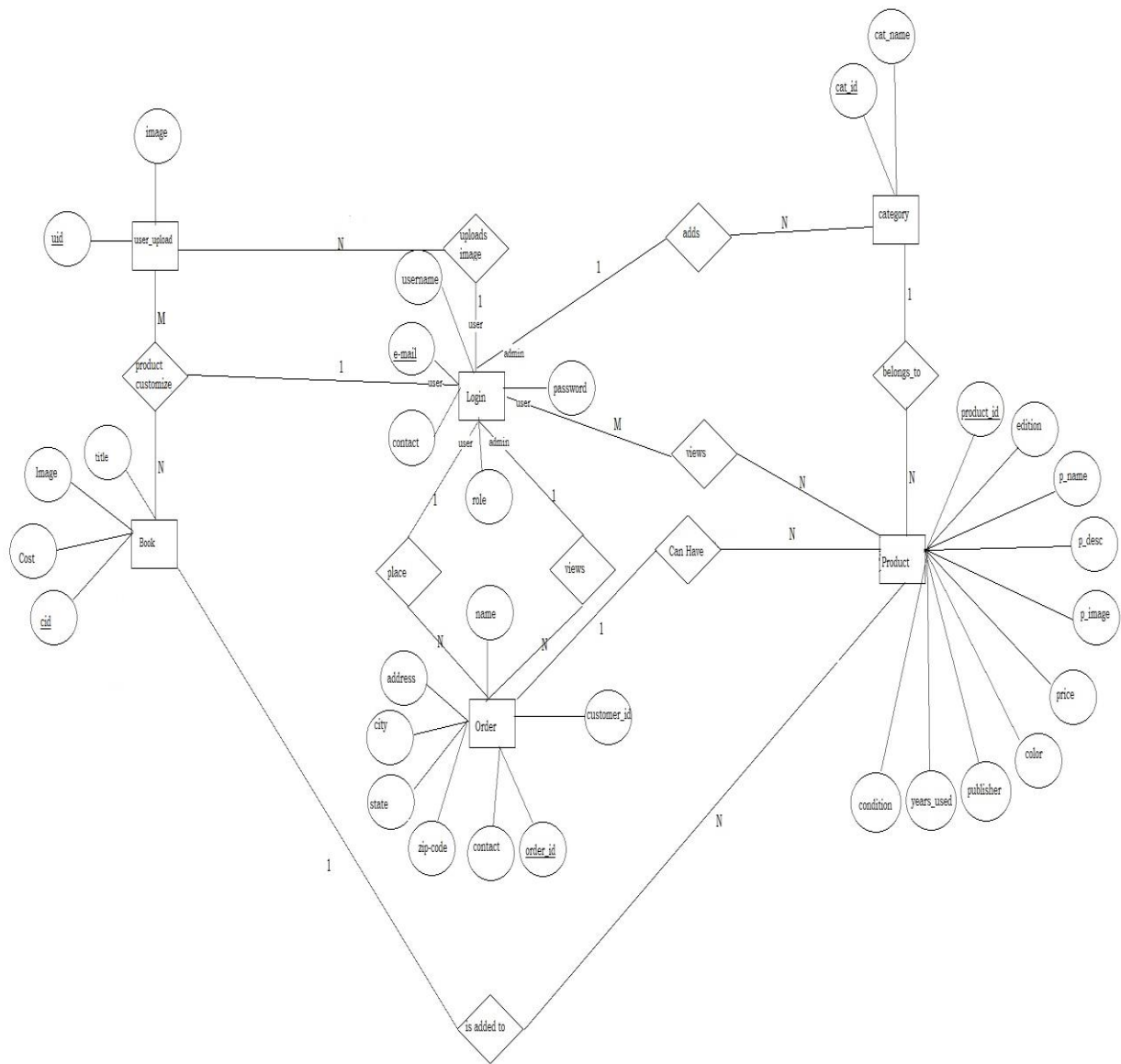
E-R DIAGRAM

Fig 1. E-R Diagram of Book Exchange Database.
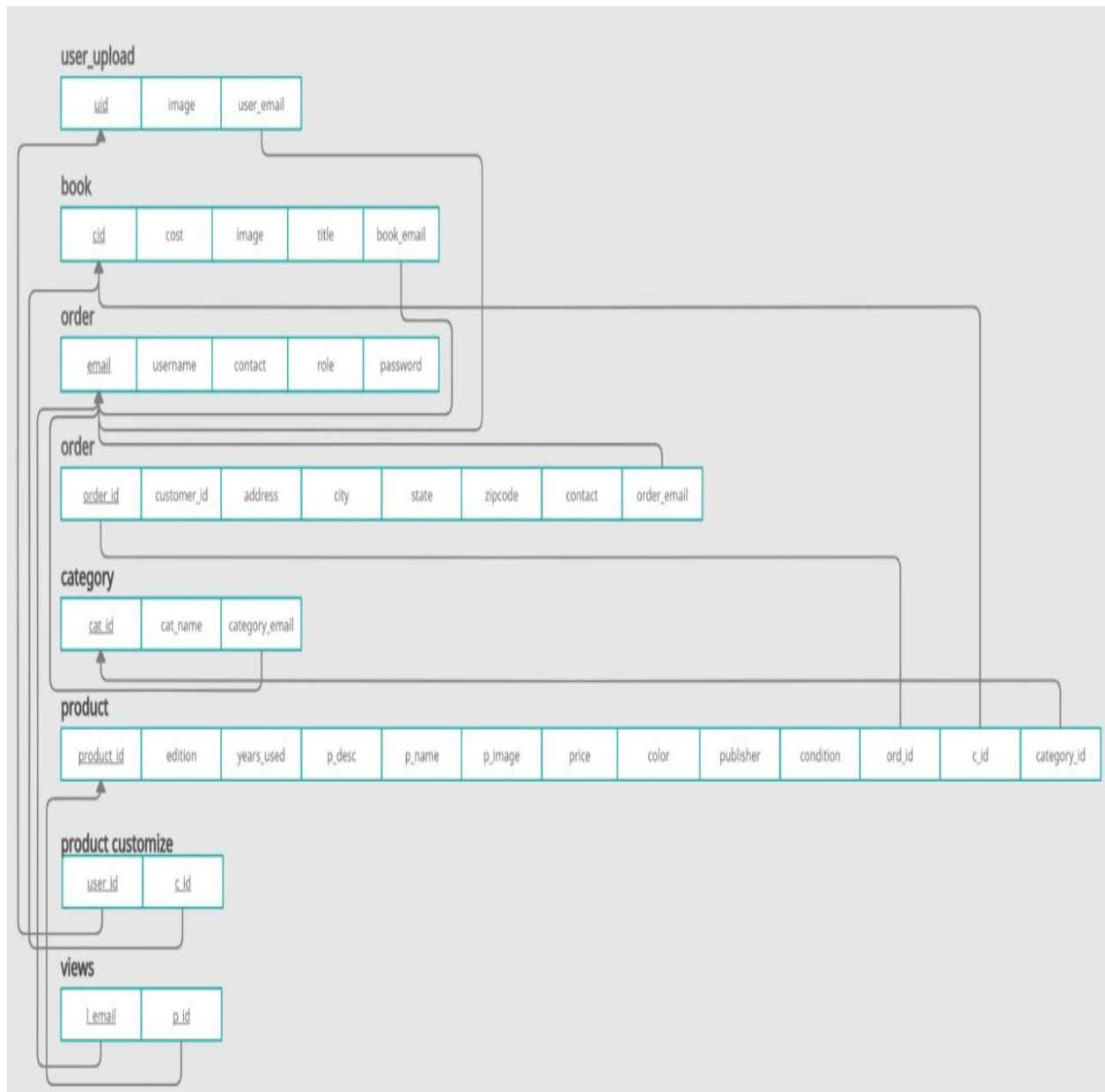
RELATION DATABASE DESIGN

Fig 2. Relation database design of Book Exchange Database.

DATABASE NORMALISATION

The highest normal form of our database application is Third Normal Form (3NF) as every nonprime attribute of relation schema R is:

- Fully functionally dependent on every key of R
- Nontransitively dependent of every key of R

Third normal form (3NF) is based on the concept of transitive dependency. A functional dependency X→Y in a relation schema R is a transitive dependency if there exists a set of attributes Z in R that is neither a candidate key nor a subset of any key of R, and both X→Z and Z→Y hold.

In other words, a relation that is in First and Second Normal Form and in which no non-primary key attribute is transitively dependent on the primary key, then it is in Third Normal Form.

Normal Form	Test	Remedy (Normalization)
First (1NF)	Relation should have no multivalued attributes or nested relations.	Form new relations for each multivalued attribute or nested relation.
Second (2NF)	For relations where primary key contains multiple attributes, no nonkey attribute should be functionally dependent on a part of the primary key.	Decompose and set up a new relation for each partial key with its dependent attribute(s). Make sure to keep a relation with the original primary key and any attributes that are fully functionally dependent on it.
Third (3NF)	Relation should not have a nonkey attribute functionally determined by another nonkey attribute (or by a set of nonkey attributes). That is, there should be no transitive dependency of a nonkey attribute on the primary key.	Decompose and set up a relation that includes the nonkey attribute(s) that functionally determine(s) other nonkey attribute(s).

Fig 3. Table summarising Normal Forms based on Primary Keys and Corresponding Normalisation.

DATA DIRECTORY

The table is created using phpMyAdmin. The relation consists of the following fields:

- ID

  This field is considered as a primary key and an integer value is assigned to every book stored in the database.

- Contact details

  The email of the user posting the advertisement is stored in the field contact_email. It is of varchar datatype and is assigned a maximum length of 255 characters. This information is provided to users interested in purchasing that book.

- Book details

  The details of the book as specified in the advertisement are stored as follows:

  1. Contact_name:

     It stores the title of the book the ad is being placed for. This field is of the type varchar and is assigned a maximum length of 255 characters.

  2. Contact_subject:

     It stores the details of the branch the book belongs to. This field is of the type varchar and is assigned a maximum length of 255 characters.

  3. Contact_message:

     This field stores the condition of the book being sold along with the price being quoted for the same. It is of varchar data type and assigned a maximum length of 255 characters

4. Name:

   The name of the file being uploaded is stored in this field. It is of varchar data type and assigned a maximum length of 255 characters

5. Bookimages:

   The image of the book is required to be uploaded in jpeg form and the same is stored in this field. It is of longblob data type.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	id 🔑	int(255)			No	None		AUTO_INCREMENT
2	contact_name	varchar(255)	latin1_swedish_ci		No	None		
3	contact_email	varchar(255)	latin1_swedish_ci		No	None		
4	contact_subject	varchar(255)	latin1_swedish_ci		No	None		
5	contact_message	varchar(255)	latin1_swedish_ci		No	None		
6	name	varchar(255)	latin1_swedish_ci		No	None		
7	bookimage	longblob			No	None		

Fig 4. Table displaying the structure of the data table.

id	contact_name	contact_email	contact_subject	contact_message	name	bookimage
2	Python For Dummies	xyz@gmail.com	CSE	Excellent Condition, excepting 450Rs.	PythonForDummies.jpg	[BLOB - 162.2 KiB]
3	Mechanical Engg TB	mno@gmail.com	ME	3rd owner,asking for 600Rs	MechanicalEng.jpg	[BLOB - 26.1 KiB]
4	Electronics Handbook	fgh@yahoo.com	ECE	Good condition. Contact for Price	ECE.jpg	[BLOB - 151.4 KiB]
5	Engineering Mathematics	rpa@hotmail.com	Maths	Only 2 years old, Book MRP is 450/- negotiable	EnggMaths.jpg	[BLOB - 87.1 KiB]
6	Introduction to Biotechnology	bio@gmail.com	BTE	new and selling for 900/-	IntroBiotech.jpg	[BLOB - 38.0 KiB]
7	Principles of Biotechnology	dfg@yahoo.com	BTE	Unused and intact. Price:670/-	BiotechPrinciples.jpg	[BLOB - 25.2 KiB]
8	A TEXTBOOK OF FLUID MECHANICS AND HYDRAULIC MACHIN...	fdg@gmail.com	ME	Old but well maintained asking for 400	FluidMechanics.jpg	[BLOB - 64.0 KiB]
9	Introduction to Civil Engineering	cvl@gmail.com	CVE	Good Condition. Price Excepted: 300/-	IntroCE.jpg	[BLOB - 121.8 KiB]
10	Structural Analysis	sta@gmail.com	CVE	Good Condition but MCQ's are solved. Price:150/-	StructureCVE.jpg	[BLOB - 30.1 KiB]
11	DEEP LEARNING (ADAPTIVE COMPUTATION AND MACHINE LE...	pth@gmail.com	CSE	Old but Maintained, Price: FREE	DeepLearning.jpg	[BLOB - 103.2 KiB]
12	CORE PYTHON PROGRAMMING BY NAGESHWAR RAO	cpr@gmail.com	CSE	Almost new condition . Asking for 900/-	PythonProg.jpg	[BLOB - 65.1 KiB]
13	Image Processing	impp@gmail.com	CSE	Barely Used. Asling for 1500/-	ImagePRocess.jpg	[BLOB - 41.8 KiB]
14	Construction practice for land development	csd@gmail.com	CVE	Amazing condition, will sell for Rs 500/-	constructionPrac.jpg	[BLOB - 44.4 KiB]

Fig 5. Structure of the database with data entries.
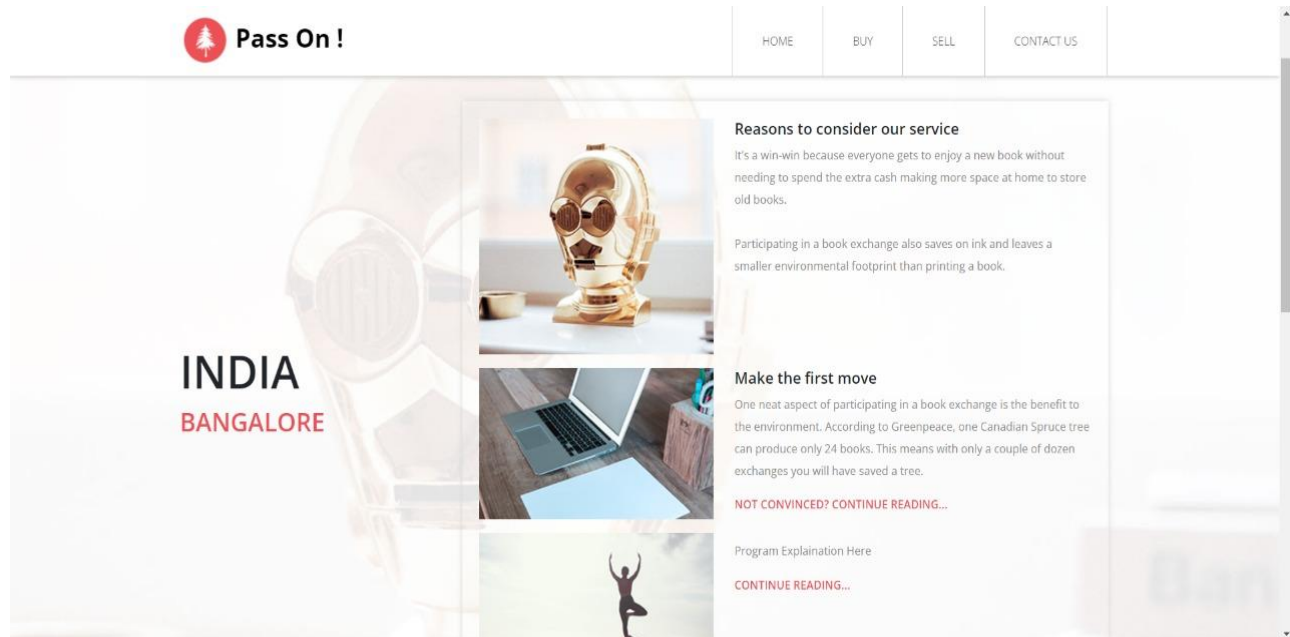
GRAPHICAL USER INTERFACE
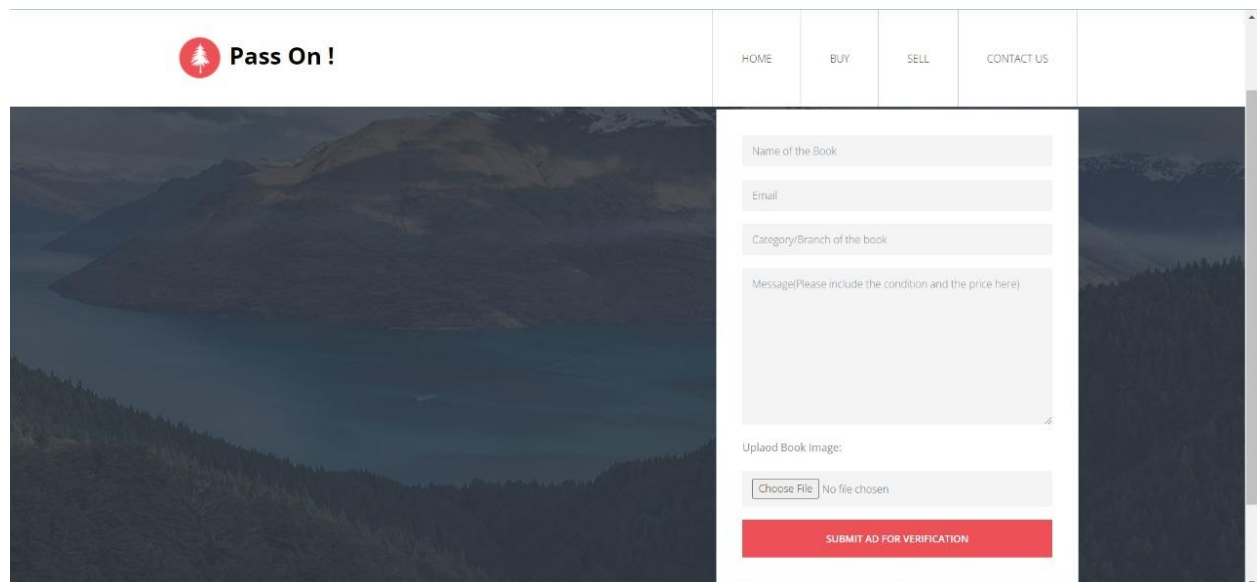
Home page:

Fig 6. Home page.

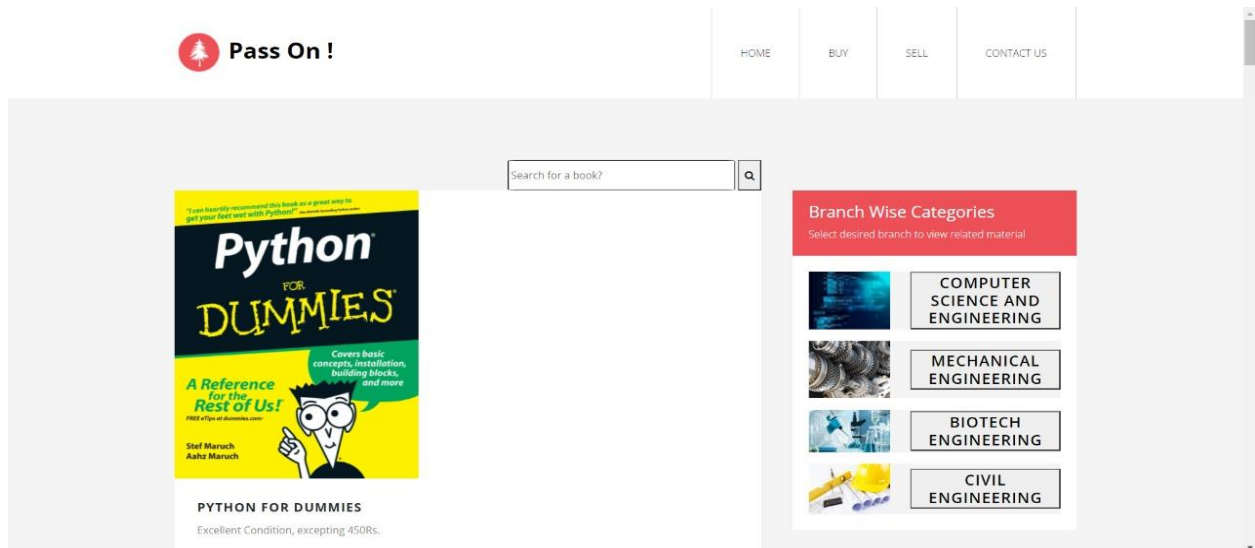Sell page:

Fig 7. Sell page.

Buy page:

Fig 8. The 'Buy' page displaying all the available books along with the search or sort options.

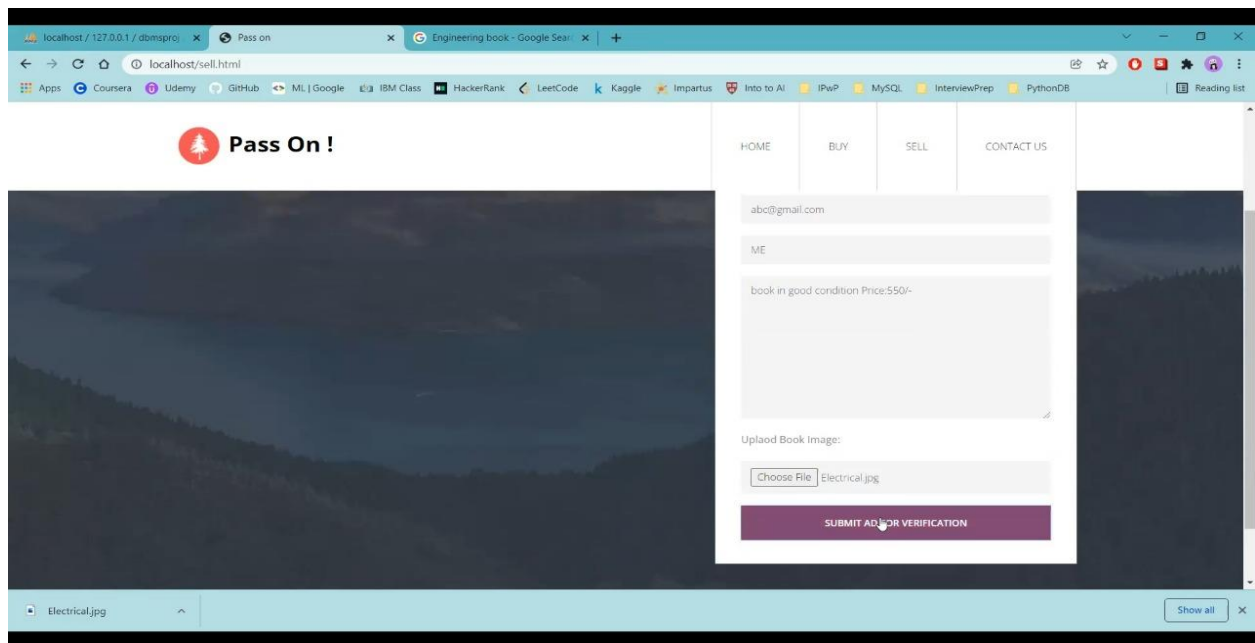Process of adding a new book:

Step 1:

Fig 9. Submitting an AD for verification with necessary details.

Step 2:

Fig 10. Book details are added to the database.

Step 3:
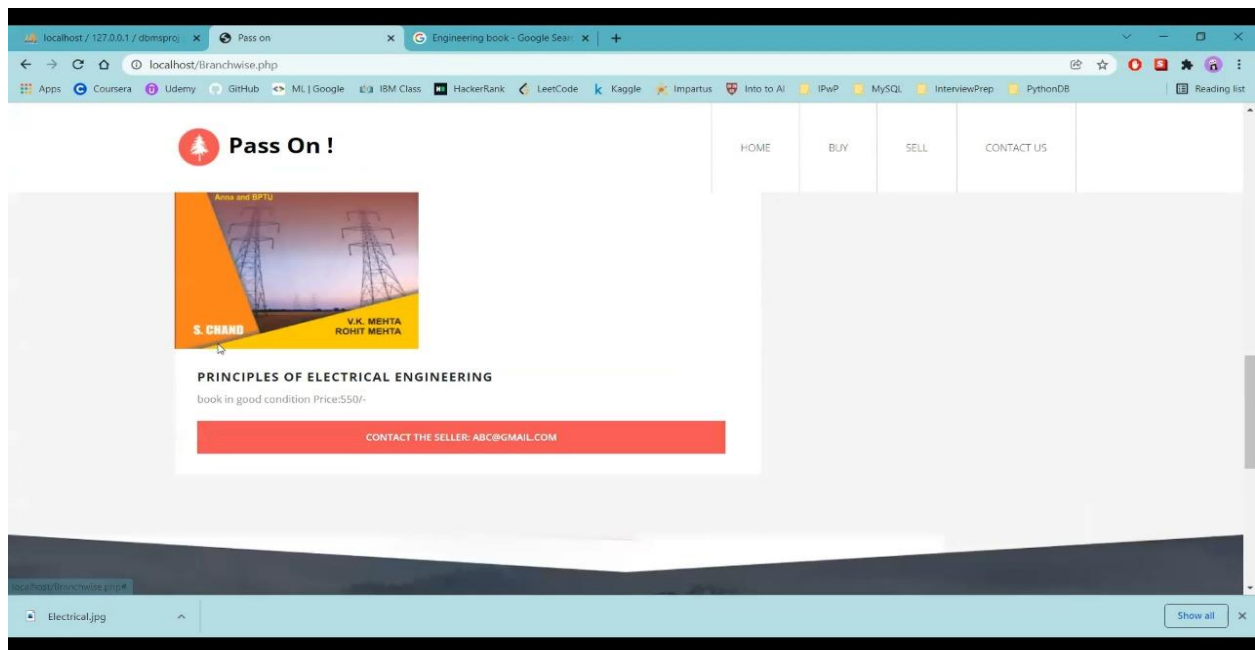
Fig 11. Book being displayed on the Buy page.

SOURCE CODE

Index page

<!DOCTYPE html>

<html lang="en">

<head>

   <meta charset="utf-8">

   <meta http-equiv="X-UA-Compatible" content="IE=edge">

   <meta name="viewport" content="width=device-width, initial-scale=1">

   <title>Pass on </title>

<!--

Template 2095 Level

http://www.tooplate.com/view/2095-level

-->

   <!-- load stylesheets -->

   <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Open+Sans:300,400,600,700"> <!-- Google web font "Open Sans" -->

```html
<link rel="stylesheet" href="font-awesome-4.7.0/css/font-awesome.min.css">          <!-- Font Awesome -->

<link rel="stylesheet" href="css/bootstrap.min.css">                    <!-- Bootstrap style -->

<link rel="stylesheet" type="text/css" href="slick/slick.css"/>

<link rel="stylesheet" type="text/css" href="slick/slick-theme.css"/>

<link rel="stylesheet" type="text/css" href="css/datepicker.css"/>

<link rel="stylesheet" href="css/tooplate-style.css">                    <!-- Templatemo style -->


<!-- HTML5 shim and Respond.js for IE8 support of HTML5 elements and media queries -->

<!-- WARNING: Respond.js doesn't work if you view the page via file:// -->

<!--[if lt IE 9]>

<script src="https://oss.maxcdn.com/html5shiv/3.7.2/html5shiv.min.js"></script>

<script src="https://oss.maxcdn.com/respond/1.4.2/respond.min.js"></script>

<![endif]-->
</head>


<body>

<div class="tm-main-content" id="top">

<div class="tm-top-bar-bg"></div>

<div class="tm-top-bar" id="tm-top-bar">
```

```html
<!-- Top Navbar -->

<div class="container">

  <div class="row">

    <nav class="navbar navbar-expand-lg narbar-light">

      <a class="navbar-brand mr-auto" href="#">

        <img src="img/logo.png" alt="Site logo">

        Pass On !

      </a>

      <button type="button" id="nav-toggle" class="navbar-toggler collapsed" data-toggle="collapse" data-target="#mainNav" aria-expanded="false" aria-label="Toggle navigation">

        <span class="navbar-toggler-icon"></span>

      </button>

      <div id="mainNav" class="collapse navbar-collapse tm-bg-white">

        <ul class="navbar-nav ml-auto">

          <li class="nav-item">

            <a class="nav-link" href="#top">Home <span class="sr-only">(current)</span></a>

          </li>

          <li class="nav-item">

            <a class="nav-link" href="BuyPage.php">Buy</a>
```
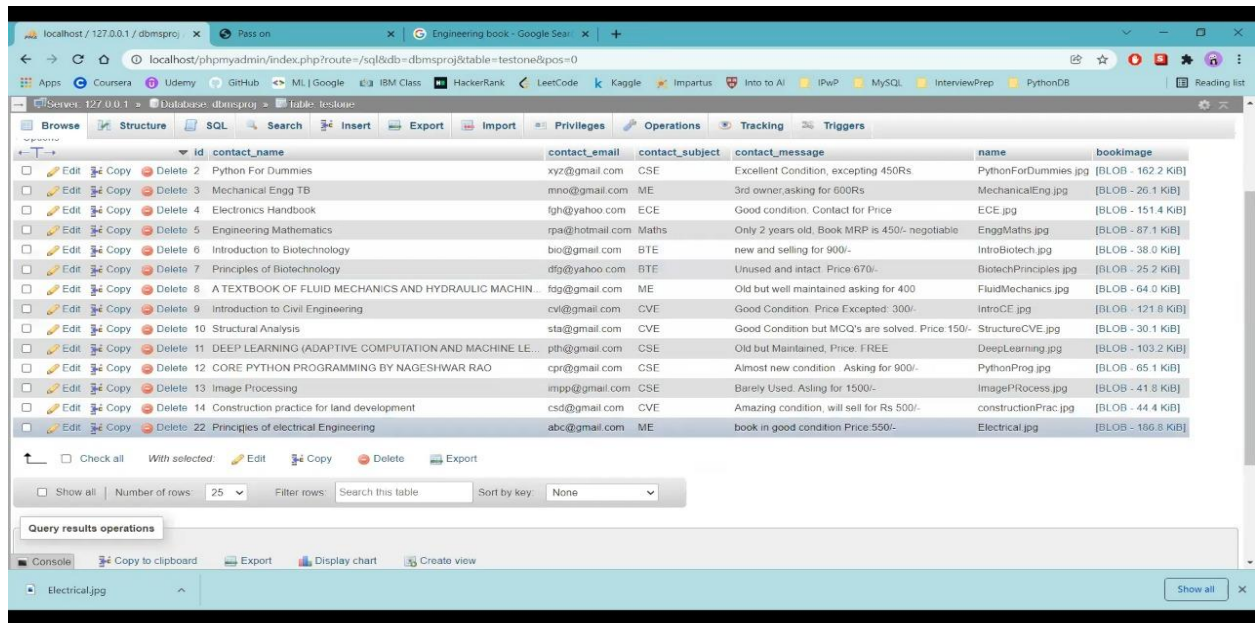
```html
          </li>

          <li class="nav-item">

            <a class="nav-link" href="sell.html">Sell</a>

          </li>

          <li class="nav-item">

            <a class="nav-link" href="#tm-section-6">Contact Us</a>

          </li>

        </ul>

      </div>

    </nav>

  </div>

</div>

  <div class="tm-section tm-section-pad tm-bg-img" id="tm-section-5">

    <div class="container ie-h-align-center-fix">

      <div class="row tm-flex-align-center">

        <div class="col-xs-12 col-md-12 col-lg-3 col-xl-3 tm-media-title-container">

          <h2 class="text-uppercase tm-section-title-2">INDIA</h2>

          <h3 class="tm-color-primary tm-font-semibold tm-section-subtitle-2">BANGALORE</h3>

        </div>
```

```html
<div class="col-xs-12 col-md-12 col-lg-9 col-xl-9 mt-0 mt-sm-3">

    <div class="ml-auto tm-bg-white-shadow tm-pad tm-media-container">

        <article class="media tm-margin-b-20 tm-media-1">

            <img src="img/img-03.jpg" alt="Image">

            <div class="media-body tm-media-body-1 tm-media-body-v-center">

                <h2 class="tm-font-semibold tm-article-title-3">Reasons to consider our service</h2>

                <p>It's a win-win because everyone gets to enjoy a new book without needing to spend the extra cash making more space at home to store old books.

                <br><br>

                Participating in a book exchange also saves on ink and leaves a smaller environmental footprint than printing a book.</p>

            </div>

        </article>

        <article class="media tm-margin-b-20 tm-media-1">

            <img src="img/img-04.jpg" alt="Image">

            <div class="media-body tm-media-body-1 tm-media-body-v-center">

                <h2 class="tm-font-semibold tm-article-title-3">Make the first move </h2>

                <p>One neat aspect of participating in a book exchange is the benefit to the environment. According to Greenpeace, one Canadian Spruce tree can produce only 24 books. This means with only a couple of dozen exchanges you will have saved a tree.</p>
```

```html
            <a href="article.html" class="text-uppercase tm-color-primary tm-font-semibold">Not Convinced? Continue reading...</a>

          </div>

        </article>

        <article class="media tm-margin-b-20 tm-media-1">

          <img src="img/img-05.jpg" alt="Image">

          <div class="media-body tm-media-body-1 tm-media-body-v-center">

            <h3 class="tm-font-semibold tm-article-title-3"></h3>

            <p>Program Explaination Here</p>

            <a href="#" class="text-uppercase tm-color-primary tm-font-semibold">Continue reading...</a>

          </div>

        </article>

      </div>

    </div>

  </div>

</div>


<div class="tm-section tm-section-pad tm-bg-img tm-position-relative" id="tm-section-6">
```

```html
<div class="container ie-h-align-center-fix">

  <div class="row">

    <div class="col-xs-12 col-sm-12 col-md-6 col-lg-6 col-xl-7">

      <div id="google-map"></div>

    </div>

    <div class="col-xs-12 col-sm-12 col-md-6 col-lg-6 col-xl-5 mt-3 mt-md-0">

      <div class="tm-bg-white tm-p-4">

        <form action="index.html" method="post" class="contact-form">

          <div class="form-group">

            <input type="text" id="contact_name" name="contact_name" class="form-control" placeholder="Name" required/>

          </div>

          <div class="form-group">

            <input type="email" id="contact_email" name="contact_email" class="form-control" placeholder="Email" required/>

          </div>

          <div class="form-group">

            <input type="text" id="contact_subject" name="contact_subject" class="form-control" placeholder="Subject" required/>

          </div>

          <div class="form-group">
```

```
                    <textarea id="contact_message" name="contact_message" class="form-
control" rows="9" placeholder="Message" required></textarea>

                    </div>

                    <button type="submit" class="btn btn-primary tm-btn-primary">Send
Message Now</button>

                    </form>

                </div>

            </div>

        </div>

    </div>


    <footer class="tm-bg-dark-blue">

        <div class="container">

            <div class="row">

                <p class="col-sm-12 text-center tm-font-light tm-color-white p-4 tm-margin-b-
0">

                    Copyright &copy; <span class="tm-current-year">2020</span> Pass On! ® ™


                    - Design: CSN</p>

                </div>

            </div>
```

</footer>

</div>

<!-- load JS files -->

<script   src="js/jquery-1.11.3.min.js"></script>   <!--   jQuery
(https://jquery.com/download/) -->

<script src="js/popper.min.js"></script>   <!-- https://popper.js.org/ -->

<script src="js/bootstrap.min.js"></script>   <!-- https://getbootstrap.com/ -->

<script   src="js/datepicker.min.js"></script>   <!--
https://github.com/qodesmith/datepicker -->

<script   src="js/jquery.singlePageNav.min.js"></script>   <!-- Single   Page   Nav
(https://github.com/ChrisWojcik/single-page-nav) -->

<script src="slick/slick.min.js"></script>   <!-- http://kenwheeler.github.io/slick/ -
->

<script>

    /* Google map

    ---*/

    var map = '';

    var center;

    function initialize() {

```
var mapOptions = {

    zoom: 16,

    center: new google.maps.LatLng(13.7567928,100.5653741),

    scrollwheel: false

};


map = new google.maps.Map(document.getElementById('google-map'),  mapOptions);


google.maps.event.addDomListener(map, 'idle', function() {

  calculateCenter();

});


google.maps.event.addDomListener(window, 'resize', function() {

  map.setCenter(center);

});

}


function calculateCenter() {

  center = map.getCenter();

}
```

```
function loadGoogleMap(){

    var script = document.createElement('script');

    script.type = 'text/javascript';

    script.src                                                              =
'https://maps.googleapis.com/maps/api/js?key=AIzaSyDVWt4rJfibfsEDvcuaChUaZRS5NXey1
Cs&v=3.exp&sensor=false&' + 'callback=initialize';

    document.body.appendChild(script);

}


function setCarousel() {


    if ($('.tm-article-carousel').hasClass('slick-initialized')) {

        $('.tm-article-carousel').slick('destroy');

    }


    if($(window).width() < 438){

        // Slick carousel

        $('.tm-article-carousel').slick({

            infinite: false,

            dots: true,

            slidesToShow: 1,

            slidesToScroll: 1
```

```
        });

    }

    else {

     $('.tm-article-carousel').slick({

            infinite: false,

            dots: true,

            slidesToShow: 2,

            slidesToScroll: 1

        });

    }

}


function setPageNav(){

    if($(window).width() > 991) {

        $('#tm-top-bar').singlePageNav({

            currentClass:'active',

            offset: 79

        });

    }

    else {

        $('#tm-top-bar').singlePageNav({
```

```
        currentClass:'active',

        offset: 65

    });

  }

}


function togglePlayPause() {

  vid = $('.tmVideo').get(0);


  if(vid.paused) {

    vid.play();

    $('.tm-btn-play').hide();

    $('.tm-btn-pause').show();

  }

  else {

    vid.pause();

    $('.tm-btn-play').show();

    $('.tm-btn-pause').hide();

  }

}
```

```
$(document).ready(function(){



    $(window).on("scroll", function() {

        if($(window).scrollTop() > 100) {

            $(".tm-top-bar").addClass("active");

        } else {

            //remove the background property so it comes transparent again (defined in your
css)

            $(".tm-top-bar").removeClass("active");

        }

    });



    // Google Map

    loadGoogleMap();



    // Date Picker

    const pickerCheckIn = datepicker('#inputCheckIn');

    const pickerCheckOut = datepicker('#inputCheckOut');



    // Slick carousel

    setCarousel();
```

```
setPageNav();


$(window).resize(function() {

 setCarousel();

 setPageNav();

});


// Close navbar after clicked

$('.nav-link').click(function(){

   $('#mainNav').removeClass('show');

});


// Control video

$('.tm-btn-play').click(function() {

   togglePlayPause();

});


$('.tm-btn-pause').click(function() {

   togglePlayPause();

});
```

```
        // Update the current year in copyright

        $('.tm-current-year').text(new Date().getFullYear());

    });


    </script>


</body>

</html>
```

Buy page inclusive of database connection:

<!DOCTYPE html>

 <html lang="en">

 <head>

   <meta charset="utf-8">

   <meta http-equiv="X-UA-Compatible" content="IE=edge">

   <meta name="viewport" content="width=device-width, initial-scale=1">

   <title>Pass on</title>

   <!--

Template 2095 Level

http://www.tooplate.com/view/2095-level

$sql = 'SELECT * FROM testone WHERE contact_subject = "'.$_POST['subject'].'"';

-->

   <!-- load stylesheets -->

   <link   rel="stylesheet"
href="https://fonts.googleapis.com/css?family=Open+Sans:300,400,600,700"> <!-- Google web
font "Open Sans" -->

```html
<link    rel="stylesheet"    href="font-awesome-4.7.0/css/font-awesome.min.css">    <!--    Font
Awesome -->

<link rel="stylesheet" href="css/bootstrap.min.css"> <!-- Bootstrap style -->

<link rel="stylesheet" type="text/css" href="slick/slick.css" />

<link rel="stylesheet" type="text/css" href="slick/slick-theme.css" />

<link rel="stylesheet" type="text/css" href="css/datepicker.css" />

<link rel="stylesheet" href="css/tooplate-style.css"> <!-- Templatemo style -->


<!-- HTML5 shim and Respond.js for IE8 support of HTML5 elements and media queries -->

<!-- WARNING: Respond.js doesn't work if you view the page via file:// -->

<!--[if lt IE 9]>

    <script src="https://oss.maxcdn.com/html5shiv/3.7.2/html5shiv.min.js"></script>

    <script src="https://oss.maxcdn.com/respond/1.4.2/respond.min.js"></script>

    <![endif]-->

</head>


<body>


  <div class="tm-main-content" id="top">

    <div class="tm-top-bar-bg"></div>

    <div class="tm-top-bar" id="tm-top-bar">
```

```html
<!-- Top Navbar -->

<div class="container">

  <div class="row">

    <nav class="navbar navbar-expand-lg narbar-light">

      <a class="navbar-brand mr-auto" href="#">

        <img src="img/logo.png" alt="Site logo">

        Pass On !

      </a>

      <button type="button" id="nav-toggle" class="navbar-toggler collapsed" data-toggle="collapse" data-target="#mainNav" aria-expanded="false" aria-label="Toggle navigation">

        <span class="navbar-toggler-icon"></span>

      </button>

      <div id="mainNav" class="collapse navbar-collapse tm-bg-white">

        <ul class="navbar-nav ml-auto">

          <li class="nav-item">

            <a class="nav-link" href="index.html">Home <span class="sr-only">(current)</span></a>

          </li>

          <li class="nav-item">

            <a class="nav-link" href="BuyPage.php">Buy</a>

          </li>
```

```html
            <li class="nav-item">

              <a class="nav-link" href="sell.html">Sell</a>

            </li>

            <li class="nav-item">

              <a class="nav-link" href="#tm-section-6">Contact Us</a>

            </li>

          </ul>

        </div>

      </nav>

    </div>

  </div>

</div>
```

```php
<!-- Connect the DB -->

<?php

  $conn = mysqli_connect("localhost", "root", "", "dbmsproj");

  if (!$conn) {

    echo 'Connection error: ' . mysqli_connect_error();

  }

  // Main Query

  $sql = 'SELECT * FROM testone';
```

```
$result = mysqli_query($conn, $sql);

$test = mysqli_fetch_all($result, MYSQLI_ASSOC);


//For Getting Number of Rows

mysqli_free_result($result);

$query = "SELECT contact_name FROM testone";


// Execute the query and store the result set

$result = mysqli_query($conn, $query);


if ($result) {

    // it return number of rows in the table.

    $row = mysqli_num_rows($result);


    // if ($row) {

    //    printf("Number of row in the table : " . $row);

    // }

    // close the result.

    mysqli_free_result($result);

}
//End of getting row count
```

```php
                ?>
```

```html
    <div class="tm-section tm-section-pad tm-bg-gray" id="tm-section-4">

      <div class="container">

        <!-- Search Bar: -->

        <div class="search-container" style="position: relative;right:-410px;">

          <form action="/Branchwise.php" method="post" class="branch-form" enctype="multipart/form-data">

            <input type="text" placeholder="Search for a book?" name="search" style="height:40px; width:280px; border-radius:5%;">

            <button type="submit" style="height: 40px; padding:bottom 30px;"><i class="fa fa-search"></i></button>

          </form>

        </div>

        <div class="row">

          <div class="col-sm-12 col-md-12 col-lg-8 col-xl-8">

            <div class="tm-article-carousel">

              <!-- Main Php code to get data from DB and Display -->

              <?php


                for ($x = 0; $x < $row; $x++) {
```

```php
                    $imag        =        '<img        src="data:bookimage/jpeg;base64,'        .
base64_encode($test[$x]['bookimage']) . '" height="375" width="300" class="img-thumnail" />';

                print "

            <article class=\"tm-bg-white mr-2 tm-carousel-item\">

              {$imag}

              <br>

              <div class=\"tm-article-pad\">

                <header>

                    <h3                class=\"text-uppercase                tm-article-title-
2\">{$test[$x]['contact_name']}</h3>

                </header>

                <p>{$test[$x]['contact_message']}</p>

                <a        href=\"#\"        class=\"text-uppercase        btn-primary        tm-btn-
primary\">Contact the seller: {$test[$x]['contact_email']}</a>

              </div>
            ";
            }


        ?>
        </div>
      </div>
```

```html
<!-- Code to be modified -->

<div class="col-sm-12 col-md-12 col-lg-4 col-xl-4 tm-recommended-container">

    <div class="tm-bg-white">

        <div class="tm-bg-primary tm-sidebar-pad">

            <h3 class="tm-color-white tm-sidebar-title">Branch Wise Categories</h3>

            <p class="tm-color-white tm-margin-b-0 tm-font-light">Select desired branch to view related material</p>

        </div>

        <div class="tm-sidebar-pad-2">


            <form action="/Branchwise.php" method="post" class="branch-form" enctype="multipart/form-data">

                <a href="#" class="media tm-media tm-recommended-item">

                    <img src="img/7.jpg" alt="Image">

                    <div class="media-body tm-media-body tm-bg-gray">

                        <button input type="submit" name="CSE" value="CSE">

                            <h4 class="text-uppercase tm-font-semibold tm-sidebar-item-title">Computer Science and Engineering</h4>

                        </button>

                    </div>

                </a>
```

```html
<a href="#" class="media tm-media tm-recommended-item">

    <img src="img/8.jpg" alt="Image">

    <div class="media-body tm-media-body tm-bg-gray">

        <button input type="submit" name="ME" value="ME">

            <h4 class="text-uppercase tm-font-semibold tm-sidebar-item-title">Mechanical Engineering</h4>

        </button>

    </div>

</a>

<a href="#" class="media tm-media tm-recommended-item">

    <img src="img/9.jpg" alt="Image">

    <div class="media-body tm-media-body tm-bg-gray">

        <button input type="submit" name="BTE" value="BTE">

            <h4 class="text-uppercase tm-font-semibold tm-sidebar-item-title">Biotech Engineering</h4>

        </button>

    </div>

</a>

<a href="#" class="media tm-media tm-recommended-item">

    <img src="img/10.jpg" alt="Image">

    <div class="media-body tm-media-body tm-bg-gray">

        <button input type="submit" name="CVE" value="CVE">
```

```html
                         <h4    class="text-uppercase   tm-font-semibold   tm-sidebar-item-
title">Civil Engineering</h4>

                              </button>

                         </div>

                    </a>

               </form>


                    </div>

               </div>

          </div>


     </div>

   </div>

</div>


<div class="tm-section tm-section-pad tm-bg-img tm-position-relative" id="tm-section-6">

   <div class="container ie-h-align-center-fix">

     <div class="row">

        <div class="col-xs-12 col-sm-12 col-md-6 col-lg-6 col-xl-7">

           <div id="google-map"></div>

        </div>
```

```html
<div class="col-xs-12 col-sm-12 col-md-6 col-lg-6 col-xl-5 mt-3 mt-md-0">

    <div class="tm-bg-white tm-p-4">

        <form action="index.html" method="post" class="contact-form">

            <div class="form-group">

                <input type="text" id="contact_name" name="contact_name" class="form-control" placeholder="Name" required />

            </div>

            <div class="form-group">

                <input type="email" id="contact_email" name="contact_email" class="form-control" placeholder="Email" required />

            </div>

            <div class="form-group">

                <input type="text" id="contact_subject" name="contact_subject" class="form-control" placeholder="Subject" required />

            </div>

            <div class="form-group">

                <textarea id="contact_message" name="contact_message" class="form-control" rows="9" placeholder="Message" required></textarea>

            </div>

            <button type="submit" class="btn btn-primary tm-btn-primary">Send Message Now</button>

        </form>

    </div>
```

```html
            </div>

         </div>

      </div>

   </div>


   <footer class="tm-bg-dark-blue">

      <div class="container">

         <div class="row">

            <p class="col-sm-12 text-center tm-font-light tm-color-white p-4 tm-margin-b-0">

               Copyright &copy; <span class="tm-current-year">2020</span> Pass On! ® ™


               - Design: CSN</p>

         </div>

      </div>

   </footer>

</div>
```

Filtering books based on the branches the subjects belong to:

<!DOCTYPE html>

<html lang="en">

<head>

   <meta charset="utf-8">

   <meta http-equiv="X-UA-Compatible" content="IE=edge">

   <meta name="viewport" content="width=device-width, initial-scale=1">

   <title>Pass on</title>

   <!--

Template 2095 Level

http://www.tooplate.com/view/2095-level

$sql = 'SELECT * FROM testone WHERE contact_subject = "'.$_POST['subject'].'"';

-->

   <!-- load stylesheets -->

   <link rel="stylesheet"
href="https://fonts.googleapis.com/css?family=Open+Sans:300,400,600,700"> <!-- Google web font "Open Sans" -->

```html
<link rel="stylesheet" href="font-awesome-4.7.0/css/font-awesome.min.css"> <!-- Font Awesome -->

<link rel="stylesheet" href="css/bootstrap.min.css"> <!-- Bootstrap style -->

<link rel="stylesheet" type="text/css" href="slick/slick.css" />

<link rel="stylesheet" type="text/css" href="slick/slick-theme.css" />

<link rel="stylesheet" type="text/css" href="css/datepicker.css" />

<link rel="stylesheet" href="css/tooplate-style.css"> <!-- Templatemo style -->


<!-- HTML5 shim and Respond.js for IE8 support of HTML5 elements and media queries -->

<!-- WARNING: Respond.js doesn't work if you view the page via file:// -->

<!--[if lt IE 9]>

    <script src="https://oss.maxcdn.com/html5shiv/3.7.2/html5shiv.min.js"></script>

    <script src="https://oss.maxcdn.com/respond/1.4.2/respond.min.js"></script>

    <![endif]-->

</head>


<body>


  <div class="tm-main-content" id="top">

    <div class="tm-top-bar-bg"></div>

    <div class="tm-top-bar" id="tm-top-bar">
```

```html
<!-- Top Navbar -->

<div class="container">

   <div class="row">


        <nav class="navbar navbar-expand-lg narbar-light">

          <a class="navbar-brand mr-auto" href="#">

            <img src="img/logo.png" alt="Site logo">

            Pass On !

          </a>

          <button type="button" id="nav-toggle" class="navbar-toggler collapsed" data-toggle="collapse" data-target="#mainNav" aria-expanded="false" aria-label="Toggle navigation">

              <span class="navbar-toggler-icon"></span>

          </button>

          <div id="mainNav" class="collapse navbar-collapse tm-bg-white">

            <ul class="navbar-nav ml-auto">

              <li class="nav-item">

                <a class="nav-link" href="index.html">Home <span class="sr-only">(current)</span></a>

              </li>

              <li class="nav-item">

                <a class="nav-link" href="BuyPage.php">Buy</a>
```

```html
                    </li>

                    <li class="nav-item">

                        <a class="nav-link" href="sell.html">Sell</a>

                    </li>

                    <li class="nav-item">

                        <a class="nav-link" href="#tm-section-6">Contact Us</a>

                    </li>

                </ul>

            </div>

        </nav>

    </div>

</div>


<!-- Connect the DB -->
```
```php
<?php

  $conn = mysqli_connect("localhost", "root", "", "dbmsproj");

  if (!$conn) {

      echo 'Connection error: ' . mysqli_connect_error();

  }
```

```php
//for Branch wise Query

if (isset($_POST['CSE'])) {

    $sql = 'SELECT * FROM testone WHERE contact_subject = "CSE"';

    $query = 'SELECT contact_name FROM testone WHERE contact_subject = "CSE"';

} elseif (isset($_POST['ME'])) {

    $sql = 'SELECT * FROM testone WHERE contact_subject = "ME"';

    $query = 'SELECT contact_name FROM testone WHERE contact_subject = "ME"';

} elseif (isset($_POST['BTE'])) {

    $sql = 'SELECT * FROM testone WHERE contact_subject = "BTE"';

    $query = 'SELECT contact_name FROM testone WHERE contact_subject = "BTE"';

} elseif (isset($_POST['CVE'])) {

    $sql = 'SELECT * FROM testone WHERE contact_subject = "CVE"';

    $query = 'SELECT contact_name FROM testone WHERE contact_subject = "CVE"';

}


//Search Bar Query test:

if (isset($_POST['search'])) {

    $sql = 'SELECT * FROM testone WHERE contact_name = "' . $_POST['search'] . '"';

    $query = 'SELECT contact_name FROM testone WHERE contact_name = "' .
$_POST['search'] . '"';
```

```php
//EXECUTE QUERY

$result = mysqli_query($conn, $sql);

$test = mysqli_fetch_all($result, MYSQLI_ASSOC);


//For Getting Number of Rows

mysqli_free_result($result);


// Execute the query and store the result set

$result = mysqli_query($conn, $query);


if ($result) {

    // it return number of rows in the table.

    $row = mysqli_num_rows($result);


    // if ($row) {

    //     printf("Number of row in the table : " . $row);

    // }

    // close the result.

    mysqli_free_result($result);

}
//End of getting row count
```

```
                ?>



        <div class="tm-section tm-section-pad tm-bg-gray" id="tm-section-4">

          <div class="container">

            <!-- Search Bar: -->

            <div class="search-container" style="position: relative;right:-410px;">

                <form action="/Branchwise.php" method="post" class="branch-form"
enctype="multipart/form-data">

                    <input type="text" placeholder="Search for a book?" name="search"
style="height:40px; width:280px; border-radius:5%;">

                    <button type="submit" style="height: 40px; padding:bottom 30px;"><i class="fa
fa-search"></i></button>

                </form>

            </div>

            <div class="row">

              <div class="col-sm-12 col-md-12 col-lg-8 col-xl-8">

                <div class="tm-article-carousel">

                  <!-- Main Php code to get data from DB and Display -->

                  <?php

                  if($row==0){

                    echo '<br><h1>No Results Found :(</h1><br>';

                  }
```

```php
        else{

            for ($x = 0; $x < $row; $x++) {

                $imag = '<img src="data:bookimage/jpeg;base64,' .
base64_encode($test[$x]['bookimage']) . '" height="375" width="300" class="img-thumnail" />';

                print "

            <article class=\"tm-bg-white mr-2 tm-carousel-item\">

              {$imag}

              <br>

              <div class=\"tm-article-pad\">

                <header>

                  <h3 class=\"text-uppercase tm-article-title-
2\">{$test[$x]['contact_name']}</h3>

                </header>

                <p>{$test[$x]['contact_message']}</p>

                <a href=\"#\" class=\"text-uppercase btn-primary tm-btn-
primary\">Contact the seller: {$test[$x]['contact_email']}</a>

              </div>

            ";

            }

        }

        ?>

      </div>
```

```
          </div>


          <!-- Code to be modified -->

          <div class="col-sm-12 col-md-12 col-lg-4 col-xl-4 tm-recommended-container">

              <div class="tm-bg-white">

                  <div class="tm-bg-primary tm-sidebar-pad">

                      <h3 class="tm-color-white tm-sidebar-title">Branch Wise Categories</h3>

                      <p class="tm-color-white tm-margin-b-0 tm-font-light">Select desired
branch to view related material</p>

                  </div>

                  <div class="tm-sidebar-pad-2">


                      <form action="Branchwise.php" method="post" class="branch-form"
enctype="multipart/form-data">

                          <a href="#" class="media tm-media tm-recommended-item">

                              <img src="img/7.jpg" alt="Image">

                              <div class="media-body tm-media-body tm-bg-gray">

                                  <button input type="submit" name="CSE" value="CSE">

                                      <h4 class="text-uppercase tm-font-semibold tm-sidebar-item-
title">Computer Science and Engineering</h4>

                                  </button>

                              </div>
```

```
</a>

<a href="#" class="media tm-media tm-recommended-item">

  <img src="img/8.jpg" alt="Image">

  <div class="media-body tm-media-body tm-bg-gray">

    <button input type="submit" name="ME" value="ME">

      <h4 class="text-uppercase tm-font-semibold tm-sidebar-item-
title">Mechanical Engineering</h4>

    </button>

  </div>

</a>

<a href="#" class="media tm-media tm-recommended-item">

  <img src="img/9.jpg" alt="Image">

  <div class="media-body tm-media-body tm-bg-gray">

    <button input type="submit" name="BTE" value="BTE">

      <h4 class="text-uppercase tm-font-semibold tm-sidebar-item-
title">Biotech Engineering</h4>

    </button>

  </div>

</a>

<a href="#" class="media tm-media tm-recommended-item">

  <img src="img/10.jpg" alt="Image">
```

```html
<div class="media-body tm-media-body tm-bg-gray">

<button input type="submit" name="CVE" value="CVE">

<h4 class="text-uppercase tm-font-semibold tm-sidebar-item-
title">Civil Engineering</h4>

</button>

</div>

</a>

</form>



</div>

</div>

</div>



</div>

</div>

</div>



<div class="tm-section tm-section-pad tm-bg-img tm-position-relative" id="tm-section-6">

<div class="container ie-h-align-center-fix">

<div class="row">

<div class="col-xs-12 col-sm-12 col-md-6 col-lg-6 col-xl-7">
```

```
            <div id="google-map"></div>

        </div>

        <div class="col-xs-12 col-sm-12 col-md-6 col-lg-6 col-xl-5 mt-3 mt-md-0">

            <div class="tm-bg-white tm-p-4">

                <form action="index.html" method="post" class="contact-form">

                    <div class="form-group">

                        <input type="text" id="contact_name" name="contact_name"
class="form-control" placeholder="Name" required />

                    </div>

                    <div class="form-group">

                        <input type="email" id="contact_email" name="contact_email"
class="form-control" placeholder="Email" required />

                    </div>

                    <div class="form-group">

                        <input type="text" id="contact_subject" name="contact_subject"
class="form-control" placeholder="Subject" required />

                    </div>

                    <div class="form-group">

                        <textarea id="contact_message" name="contact_message" class="form-
control" rows="9" placeholder="Message" required></textarea>

                    </div>

                    <button type="submit" class="btn btn-primary tm-btn-primary">Send
Message Now</button>
```

```html
          </form>

        </div>

      </div>

    </div>

  </div>


  <footer class="tm-bg-dark-blue">

    <div class="container">

      <div class="row">

        <p class="col-sm-12 text-center tm-font-light tm-color-white p-4 tm-margin-b-0">

          Copyright &copy; <span class="tm-current-year">2020</span> Pass On! ® ™


          - Design: CSN</p>

      </div>

    </div>

  </footer>

</div>
```

Selling page:

<!DOCTYPE html>

<html lang="en">

<head>

   <meta charset="utf-8">

   <meta http-equiv="X-UA-Compatible" content="IE=edge">

   <meta name="viewport" content="width=device-width, initial-scale=1">

   <title>Pass on</title>

<!--

Template 2095 Level

http://www.tooplate.com/view/2095-level

-->

   <!-- load stylesheets -->

   <link   rel="stylesheet"
href="https://fonts.googleapis.com/css?family=Open+Sans:300,400,600,700"> <!-- Google web
font "Open Sans" -->

   <link rel="stylesheet" href="font-awesome-4.7.0/css/font-awesome.min.css">   <!--
Font Awesome -->

```html
    <link rel="stylesheet" href="css/bootstrap.min.css">                          <!-- Bootstrap
style -->

    <link rel="stylesheet" type="text/css" href="slick/slick.css"/>

    <link rel="stylesheet" type="text/css" href="slick/slick-theme.css"/>

    <link rel="stylesheet" type="text/css" href="css/datepicker.css"/>

    <link rel="stylesheet" href="css/tooplate-style.css">                          <!-- Templatemo
style -->


    <!-- HTML5 shim and Respond.js for IE8 support of HTML5 elements and media queries -->

    <!-- WARNING: Respond.js doesn't work if you view the page via file:// -->

      <!--[if lt IE 9]>

        <script src="https://oss.maxcdn.com/html5shiv/3.7.2/html5shiv.min.js"></script>

        <script src="https://oss.maxcdn.com/respond/1.4.2/respond.min.js"></script>

        <![endif]-->

</head>

 <body>


      <div class="tm-main-content" id="top">

        <div class="tm-top-bar-bg"></div>

        <div class="tm-top-bar" id="tm-top-bar">

          <!-- Top Navbar -->

          <div class="container">
```

```html
<div class="row">

    <nav class="navbar navbar-expand-lg narbar-light">

        <a class="navbar-brand mr-auto" href="#">

            <img src="img/logo.png" alt="Site logo">

            Pass On !

        </a>

        <button type="button" id="nav-toggle" class="navbar-toggler collapsed" data-toggle="collapse" data-target="#mainNav" aria-expanded="false" aria-label="Toggle navigation">

            <span class="navbar-toggler-icon"></span>

        </button>

        <div id="mainNav" class="collapse navbar-collapse tm-bg-white">

            <ul class="navbar-nav ml-auto">

                <li class="nav-item">

                    <a class="nav-link" href="index.html">Home <span class="sr-only">(current)</span></a>

                </li>

                <li class="nav-item">

                    <a class="nav-link" href="BuyPage.php">Buy</a>

                </li>

                <li class="nav-item">
```

```html
        <a class="nav-link" href="#top">Sell</a>

      </li>

      <li class="nav-item">

        <a class="nav-link" href="#tm-section-6">Contact Us</a>

      </li>

    </ul>

  </div>

</nav>

</div>

</div>


<div class="tm-section tm-section-pad tm-bg-img tm-position-relative" id="tm-section-6">

  <div class="container ie-h-align-center-fix">

    <div class="row">

      <div class="col-xs-12 col-sm-12 col-md-6 col-lg-6 col-xl-7">

        <div id="google-map"></div>

      </div>

      <div class="col-xs-12 col-sm-12 col-md-6 col-lg-6 col-xl-5 mt-3 mt-md-0">

        <div class="tm-bg-white tm-p-4">
```

```html
<!-- Input starts here  action="index.html" method="post"-->

<form    action="SellPage.php"    method="post"    class="contact-form"
enctype="multipart/form-data">

        <div class="form-group">

            <input    type="text"    id="contact_name"    name="contact_name"
class="form-control" placeholder="Name of the Book"  required/>

        </div>

        <div class="form-group">

            <input    type="email"    id="contact_email"    name="contact_email"
class="form-control" placeholder="Email"  required/>

        </div>

        <div class="form-group">

            <input    type="text"    id="contact_subject"    name="contact_subject"
class="form-control" placeholder="Category/Branch of the book"  required/>

        </div>


        <div class="form-group">

            <textarea id="contact_message" name="contact_message" class="form-
control" rows="9" placeholder="Message(Please  include  the  condition  and  the  price  here)"
required></textarea>

        </div>


        <div class="form-group">
```

```
<p>Uplaod Book Image:</p>

<input type="file" id="bookimage" name="bookimage" class="form-
control" placeholder="Image of the book"  required/>

</div>



<button    type="submit"    class="btn    btn-primary    tm-btn-primary"
name="upload">Submit AD for verification</button>

</form>

<!-- Input ends here -->



</div>

</div>

</div>

</div>



<footer class="tm-bg-dark-blue">

<div class="container">

<div class="row">

<p class="col-sm-12 text-center tm-font-light tm-color-white p-4 tm-margin-b-
0">

Copyright &copy; <span class="tm-current-year">2020</span> Pass On! ® ™
```

```
                - Design: CSN</p>

        </div>

    </div>

  </footer>

</div>
```

Connecting to the database to store the entered contact information and book details:

```php
<?php

// 7 rows total including id


$contact_name = $_POST['contact_name'];

$contact_email = $_POST['contact_email'];

$contact_subject = $_POST['contact_subject'];

$contact_message = $_POST['contact_message'];


//For Image Upload:


// Database connection

$conn = new mysqli('localhost','root','','dbmsproj');


if($conn->connect_error){

        echo "$conn->connect_error";

        die("Connection Failed : ". $conn->connect_error);

}

else {
```

```php
$filename = addslashes($_FILES['bookimage']['name']);

$tmpname = addslashes(file_get_contents($_FILES['bookimage']['tmp_name']));

$filetype = addslashes($_FILES['bookimage']['type']);

$filesize = addslashes($_FILES['bookimage']['size']);

$array = array('jpg', 'jpeg');

$ext = pathinfo($filename, PATHINFO_EXTENSION);


if (!empty($filename)) {

        if (in_array($ext, $array)) {

                $sql = "Insert into testone(contact_name, contact_email, contact_subject,
contact_message,name,bookimage)
values('$contact_name','$contact_email','$contact_subject','$contact_message','$filename','$tmpname')";

                mysqli_query($conn, $sql);

                echo '<script>alert("Book Added Successfully")</script>';

                echo '<script>window.location = "index.html"</script>';

                // header("Location: index.html");

        } else {

                echo '<script>alert("Uploading was not successfull")</script>';

                echo '<script>window.location = "sell.html"</script>';

        }

}
```

```php
        $conn->close();

}

?>
```

SAMPLE SQL QUERIES

1. Inserting a book

Insert into product values{ product id, product name, publisher, product description, edition,category_id, product image}

Example: insert into product values{1,"data mining", "MK Publishing", "well maintained book", 3, 5, ...}

2. Retrieving all books

Select * from books

3. Retrieving all books from a particular branch

Select * from product where category_id = cat_id

Example: select * from product where category_id =3

4. Retrieving all books of a particular semester

Select * from product where semester = sem

Example: select * from product where semester =7

5. Filtering books by price

Select * from product where price <= max_price

Example: select * from product where price <=300

6. Filtering books based on publishers

Select * from product where publisher = pub

Example: select * from product where publisher = MK publisher

7. Filtering books based on keywords

Select * from book where title LIKE keyword

Example: select * from book where title LIKE data

8. Retrieving all books sorted by price

Select * from books order by price

CONCLUSION

Pass On aims to make college students' lives a little simpler by allowing them to purchase books from their college seniors at reasonable costs. It encourages healthy senior-junior interaction while also giving seniors the opportunity to mentor and guide freshmen, exchange study materials, and assist them in achieving success in all areas. This project is efficient and dependable when it comes to keeping track of users and conducting operations on them. The website is comprehensive and simple to use, and it does not necessitate extensive technological skills. To utilize all of the website's features, users must first register with their email address and password. Their login credentials remain the same. It uses a simple form based interface to collect the contact information and book details of users interested in publishing advertisements. The information is then stored in a database implemented using PHP and MySQL. For easy maintenance and retrieval, the seller's email and the title of the book, as well as its price, condition, and image, are maintained in their respective tables. Apart from searching for books by title, the website allows users to filter books by branches.

With the prevailing global climate change crisis, it is it is critical to assist the earth in any manner possible. We hope that by encouraging students to reuse books, they will contribute to the reduction of overall trash output. When someone buys used books, they are not only saving money, but they are also paving the way for recycling. It's a simple yet effective technique to save natural resources and cut carbon emissions.