

Abstract:

Most of the people buy medicines from the local Pharmacies and people need to go to medicine stores to buy the specific medicine prescribed by the specialized doctors. Sometimes all prescribed medicines are not available in local Pharmacies therefore people need to go to other areas to buy the medicines. It is very time consuming and people need to spend their money as well. In India most of the pharmacies are closed at night time and sometimes medicines are very essential in an emergency situation. In addition, currently the whole world is suffering due to COVID-19 pandemic. In this pandemic time it is not risk free to go out to buy medicine from the pharmacies. Due to COVID-19, medicine scarcity is also an important issue. In this situation, an online medicine delivery system can play an important role. So we developed a website of medicines for various uses and types for the user to order easily.

Introduction:

Increasing advancement in technology can turn up for the good of society and here we are planning to bring a change in health care and services. The ultimate objective of our project is to design an online medicine delivery web app through which people can order and get their medicines to their doorstep from their nearest pharmacies. Our users can simply log on to our website with their registered credentials and can choose their desired medicine as per their prescription and can order them with a secured and hassle-free experience. These days shopping for medicines and other medical products online websites are a good deal because it saves time, money, fuel, etc. Also, one pharmacy may not provide all the medicines, so the users need not move around all the pharmacies in search of medicines. Nowadays, almost every literate person mainly youngsters wants to shop online as they don't have time to go to market and shop.

Methods and Techniques:

We divided our project into the parts and each of us worked on those, the following are the modules we have in our project on the header file (Mostly we used PHP only and if we want to add or delete anything from the database we used SQL statements):

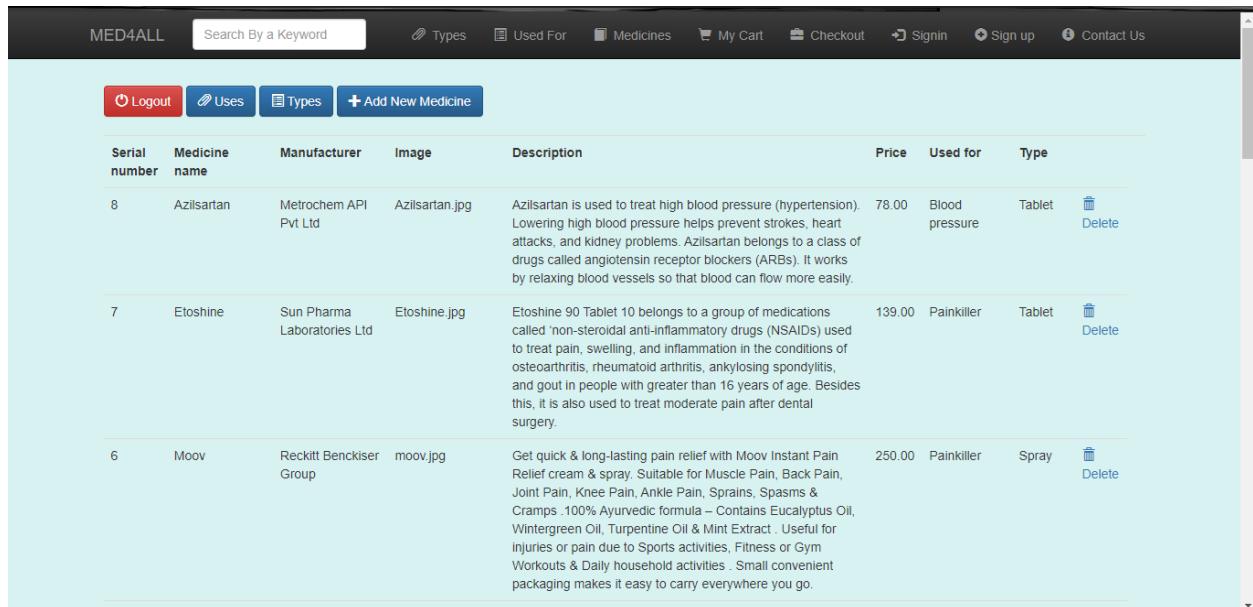
- Types
- Uses
- Medicines
- My cart
- Checkout
- Sign in
- Sign out
- Contact Us

And we have manager login and expert login, can login and add or delete medicines and other can edit the information which has been given by the manager respectively. He can modify all the details like it belongs to which type, which use, description, image of the medicine and price of the medicine.

Admin pages, expert pages, index page and header part was done by Parasu Sai Nikhil.

Admin login:

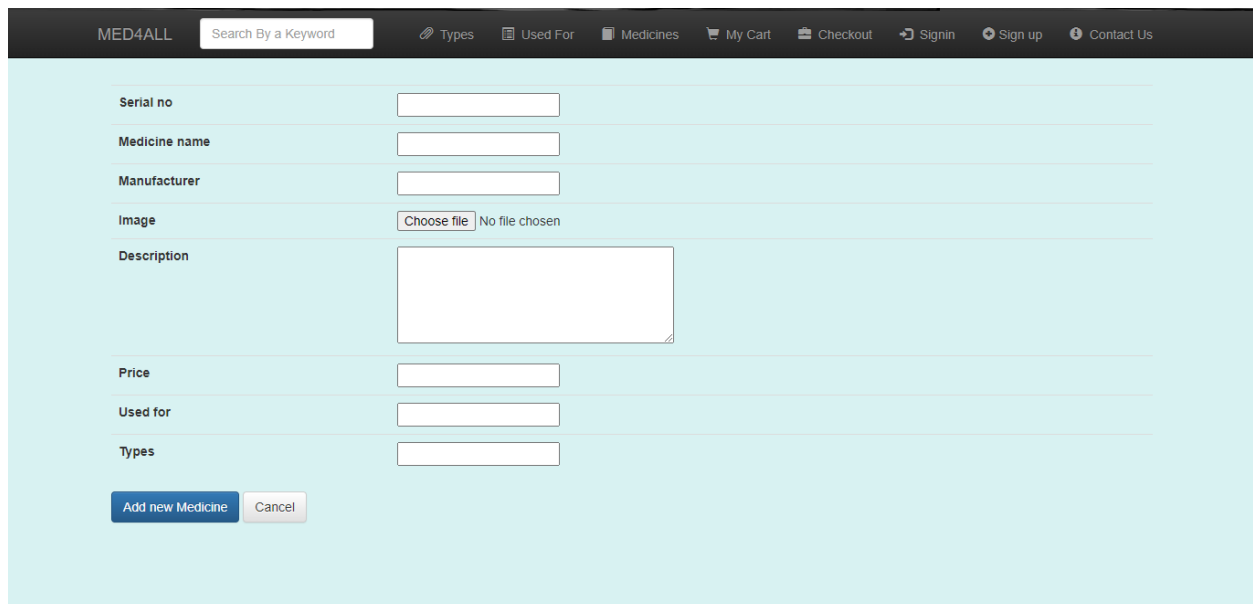
(We can also see the header file in all the images with the above mentioned options we can access those where ever we are.)



The screenshot shows the MED4ALL admin interface. At the top, there is a navigation bar with the logo 'MED4ALL', a search bar 'Search By a Keyword', and links for 'Types', 'Used For', 'Medicines', 'My Cart', 'Checkout', 'Signin', 'Sign up', and 'Contact Us'. Below the navigation bar, there are buttons for 'Logout', 'Uses', 'Types', and '+ Add New Medicine'. The main content area displays a table of medicines with columns: Serial number, Medicine name, Manufacturer, Image, Description, Price, Used for, Type, and a Delete button. The table contains three entries: 1. Serial number 8, Medicine name Azilsartan, Manufacturer Metrochem API Pvt Ltd, Image Azilsartan.jpg, Description Azilsartan is used to treat high blood pressure (hypertension). Lowering high blood pressure helps prevent strokes, heart attacks, and kidney problems. Azilsartan belongs to a class of drugs called angiotensin receptor blockers (ARBs). It works by relaxing blood vessels so that blood can flow more easily., Price 78.00, Used for Blood pressure, Type Tablet, Delete button. 2. Serial number 7, Medicine name Etoshine, Manufacturer Sun Pharma Laboratories Ltd, Image Etoshine.jpg, Description Etoshine 90 Tablet 10 belongs to a group of medications called 'non-steroidal anti-inflammatory drugs (NSAIDs)' used to treat pain, swelling, and inflammation in the conditions of osteoarthritis, rheumatoid arthritis, ankylosing spondylitis, and gout in people with greater than 16 years of age. Besides this, it is also used to treat moderate pain after dental surgery., Price 139.00, Used for Painkiller, Type Tablet, Delete button. 3. Serial number 6, Medicine name Moov, Manufacturer Reckitt Benckiser Group, Image moov.jpg, Description Get quick & long-lasting pain relief with Moov Instant Pain Relief cream & spray. Suitable for Muscle Pain, Back Pain, Joint Pain, Knee Pain, Ankle Pain, Sprains, Spasms & Cramps .100% Ayurvedic formula – Contains Eucalyptus Oil, Wintergreen Oil, Turpentine Oil & Mint Extract . Useful for injuries or pain due to Sports activities, Fitness or Gym Workouts & Daily household activities . Small convenient packaging makes it easy to carry everywhere you go., Price 250.00, Used for Painkiller, Type Spray, Delete button.

Serial number	Medicine name	Manufacturer	Image	Description	Price	Used for	Type	
8	Azilsartan	Metrochem API Pvt Ltd	Azilsartan.jpg	Azilsartan is used to treat high blood pressure (hypertension). Lowering high blood pressure helps prevent strokes, heart attacks, and kidney problems. Azilsartan belongs to a class of drugs called angiotensin receptor blockers (ARBs). It works by relaxing blood vessels so that blood can flow more easily.	78.00	Blood pressure	Tablet	Delete
7	Etoshine	Sun Pharma Laboratories Ltd	Etoshine.jpg	Etoshine 90 Tablet 10 belongs to a group of medications called 'non-steroidal anti-inflammatory drugs (NSAIDs)' used to treat pain, swelling, and inflammation in the conditions of osteoarthritis, rheumatoid arthritis, ankylosing spondylitis, and gout in people with greater than 16 years of age. Besides this, it is also used to treat moderate pain after dental surgery.	139.00	Painkiller	Tablet	Delete
6	Moov	Reckitt Benckiser Group	moov.jpg	Get quick & long-lasting pain relief with Moov Instant Pain Relief cream & spray. Suitable for Muscle Pain, Back Pain, Joint Pain, Knee Pain, Ankle Pain, Sprains, Spasms & Cramps .100% Ayurvedic formula – Contains Eucalyptus Oil, Wintergreen Oil, Turpentine Oil & Mint Extract . Useful for injuries or pain due to Sports activities, Fitness or Gym Workouts & Daily household activities . Small convenient packaging makes it easy to carry everywhere you go.	250.00	Painkiller	Spray	Delete

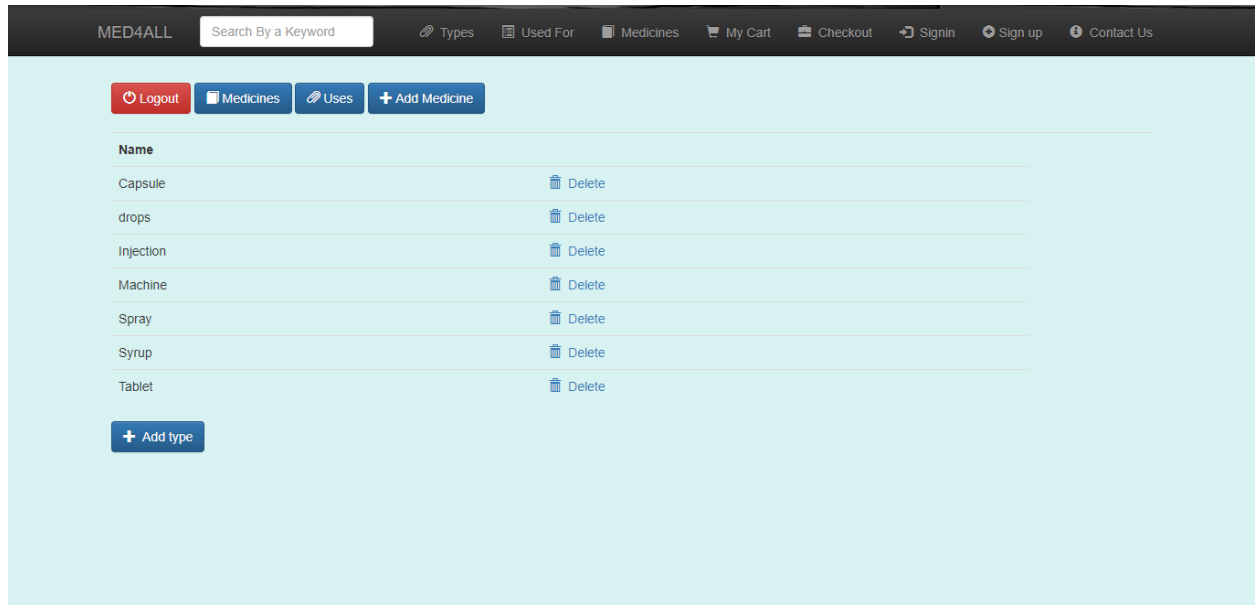
Here he can delete the medicines which are already added.



The screenshot shows the 'Add New Medicine' form in the MED4ALL admin interface. The form has fields for: Serial no, Medicine name, Manufacturer, Image (with a 'Choose file' button and 'No file chosen' text), Description (a large text area), Price, Used for, and Types. At the bottom, there are buttons for 'Add new Medicine' and 'Cancel'.

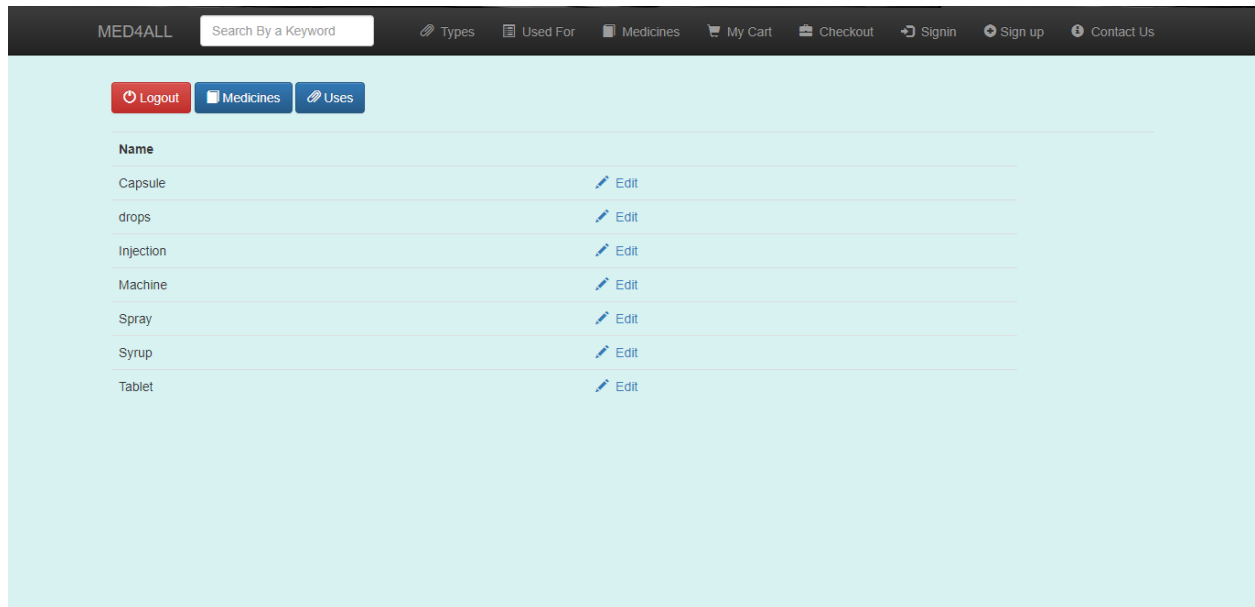
Serial no	<input type="text"/>
Medicine name	<input type="text"/>
Manufacturer	<input type="text"/>
Image	<input type="button" value="Choose file"/> No file chosen
Description	<input type="text"/>
Price	<input type="text"/>
Used for	<input type="text"/>
Types	<input type="text"/>
<input type="button" value="Add new Medicine"/> <input type="button" value="Cancel"/>	

Here he can add any new medicines and the details will also be given by him, if they want to change any details after the medicine got added they can login through expert login who can edit the details of the medicines, types and uses as follows.



Here we can add or delete any type, the same way he can also do it for the uses.

In the same way expert can login and can change the type, use or any of the medicine details. If the new use which they are going to add is already there, it will show the error that it already exists.



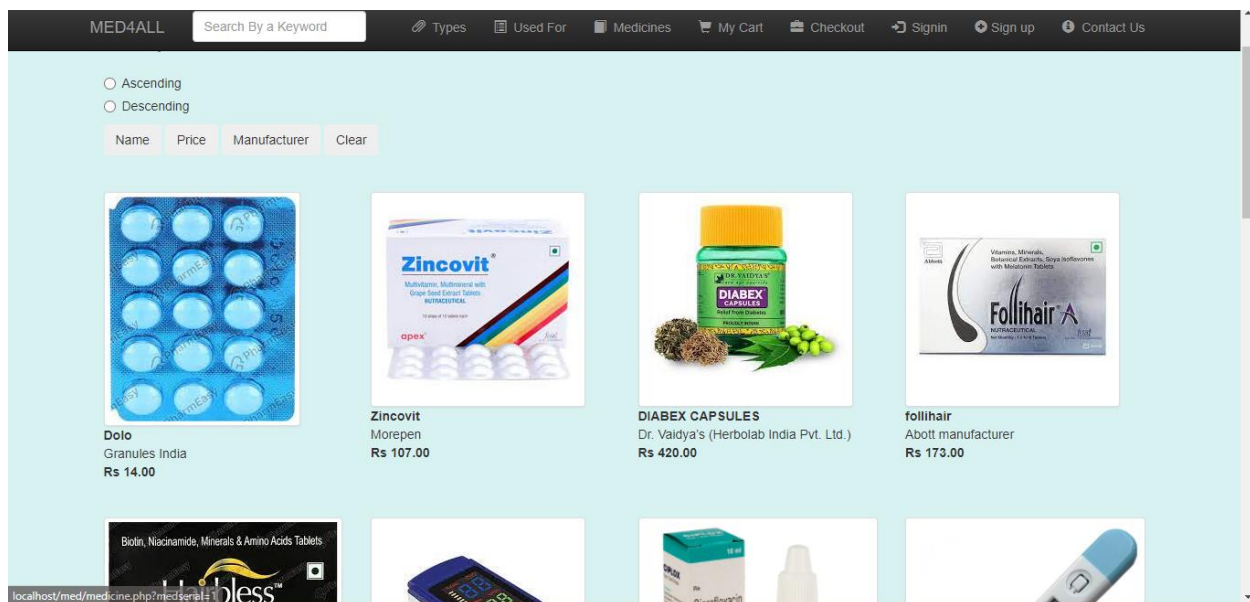
The page will be similar (the style and the button position and the order in which the medicines, types and the uses are displaying) for the manager and the expert but the option is different, manager can add the stuff and expert can edit the stuff.

And the following is the index page (home page of our website)

We can scroll down to see the recently added medicines.

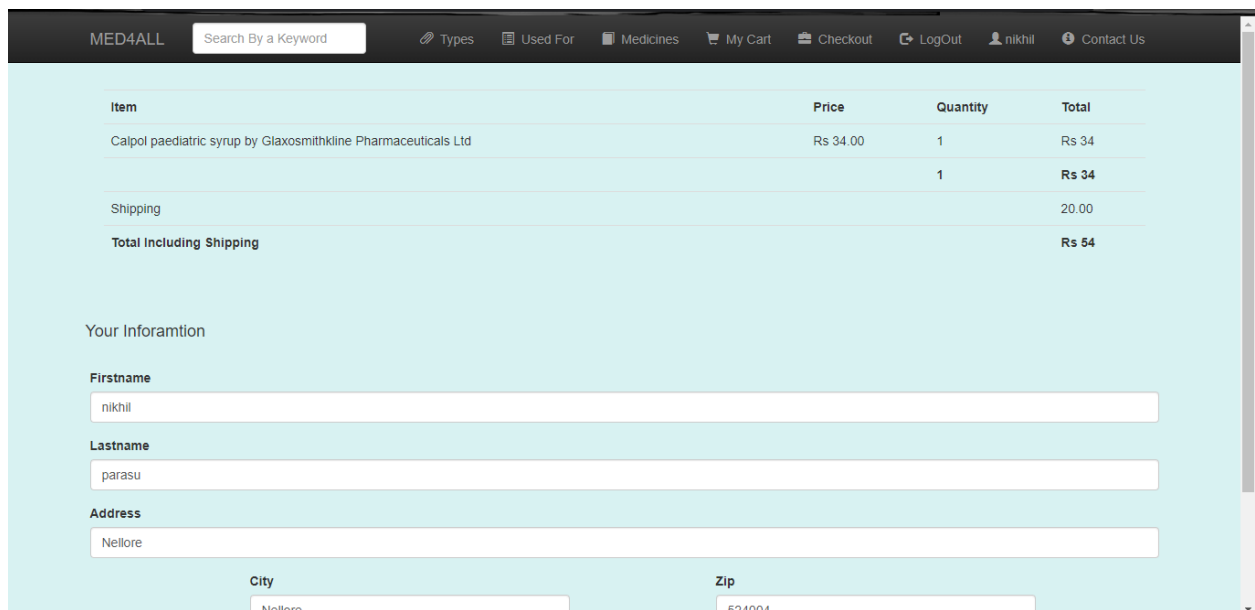
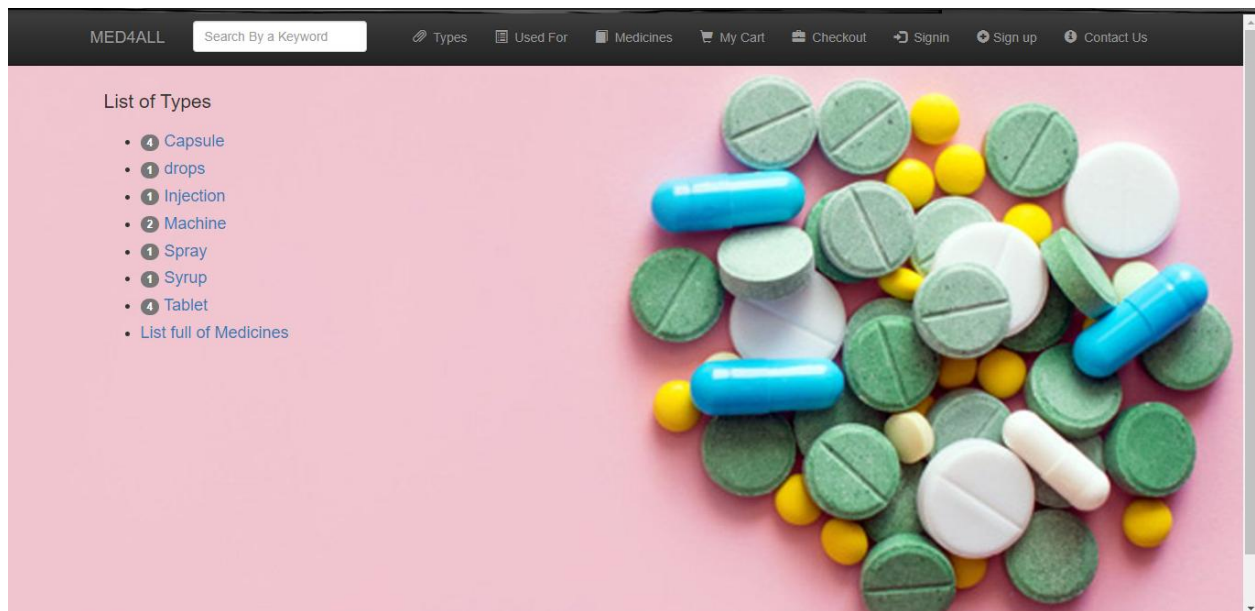


Displaying the medicines, medicine details, uses, types and purchase page was done by Ladi Jeevan Sai:



Like this if we click medicines module we can see all the medicines at a time, if we click on it we can see the details of the medicines like price, use, type etc.

If we click on the type's module we can see all the types at a time and number of medicines available in each type, same for the use case.



There is a button below these details to purchase the item, if we click it the purchase will be conformed and the user will be redirected to the index page in 5 seconds.

SQL part and the user sign up and sign in part was done by Vigash Kumar:

He created the following tables to store the values:

I had pasted the screenshot from the PHPMYADMIN to show all the tables. (It is below)

Table	Action	Rows	Type	Collation	Size	Overhead
<input type="checkbox"/> cart	★ Browse Structure Search Insert Empty Drop	10	InnoDB	latin1_general_ci	16.0 KiB	-
<input type="checkbox"/> cartitems	★ Browse Structure Search Insert Empty Drop	10	InnoDB	latin1_general_ci	16.0 KiB	-
<input type="checkbox"/> customers	★ Browse Structure Search Insert Empty Drop	1	InnoDB	latin1_swedish_ci	16.0 KiB	-
<input type="checkbox"/> expert	★ Browse Structure Search Insert Empty Drop	1	InnoDB	latin1_general_ci	16.0 KiB	-
<input type="checkbox"/> manager	★ Browse Structure Search Insert Empty Drop	1	InnoDB	latin1_general_ci	16.0 KiB	-
<input type="checkbox"/> medicines	★ Browse Structure Search Insert Empty Drop	14	InnoDB	latin1_general_ci	16.0 KiB	-
<input type="checkbox"/> type	★ Browse Structure Search Insert Empty Drop	7	InnoDB	latin1_general_ci	16.0 KiB	-
<input type="checkbox"/> used_for	★ Browse Structure Search Insert Empty Drop	8	InnoDB	latin1_general_ci	16.0 KiB	-
8 tables	Sum	52	InnoDB	utf8mb4_general_ci	128.0 KiB	0 B

And each table has one common attribute, because when we are calling the value from two tables by joining them, we need that attribute in two tables. (Like type ID in type table and also in medicines table.)

And the following sign in and sign up page and checking whether the credentials are correct or not while signing in to the website. First during the sign up the details will be stored into the customers table, and when we are signing in we will check the email id and password entered are correct or not, if yes he will get logged in to the website and will be redirected to the index page, if not it will show invalid login credentials. Also after logging in the user can edit his profile details, the page will be similar to the sign up part, after he clicks finish the new details will get stored.





The screenshot shows a web application interface for 'MED4ALL'. At the top, there is a navigation bar with a search bar labeled 'Search By a Keyword' and several menu items: 'Types', 'Used For', 'Medicines', 'My Cart', 'Checkout', 'Sign in', 'Sign up', and 'Contact Us'. Below the navigation bar is a sign-up form. The form has a dark blue background with white text and input fields. The fields are labeled 'Firstname', 'Lastname', 'Email', 'Password', 'Address', 'City', and 'Zip'. Each label is in yellow. The input fields are white with rounded corners. At the bottom of the form is a blue 'Submit' button. The form is set against a background of a dark blue geometric pattern.

Here user can create the account by giving all the required details, after that he can sign in using the given email id and the password.

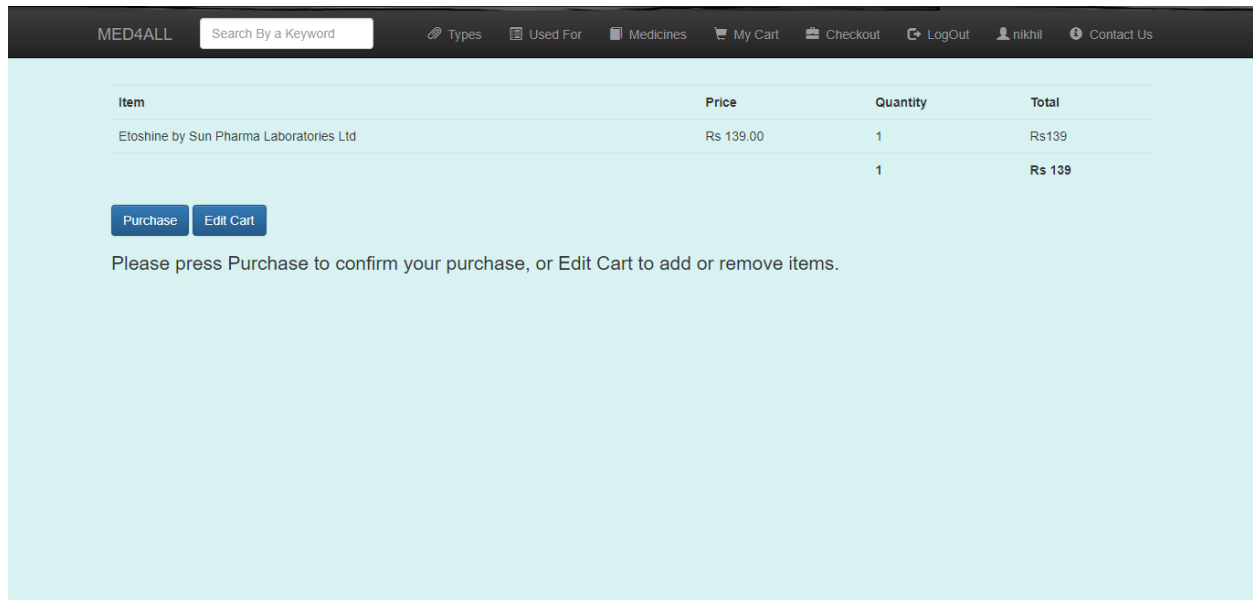
Database Functions, cart functions, cart page and checkout pages were done by Raghavendra: Some of the functions are:

- select4Latestmed: to display the last 4 medicines which are added in the index page
- getmedBySerial: to get the medicine details, by medicine serial number, basically the it is acting as the primary key.
- getCartId: if one user is using his cart, through his cart id we can get all the details of his cart.
- Getmedprice: to get the medicine price, by medicine serial number, basically the it is acting as the primary key.

And there also remaining functions which we created. And the following is the cart page:

Item	Quantity	Date
	1	2022/04/28
	1	2022/04/28
	5	2022/04/28
	1	2022/04/28

This is the checkout page:



I already pasted the screen shots of our website above.

Sample code:

SQL code for creating the tables:

```
SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";
SET AUTOCOMMIT = 0;
START TRANSACTION;
SET time_zone = "+00:00";

-- Database: `med`

-- Table structure for table `medicines`

CREATE TABLE `medicines` (
  `med_serial` varchar(20) COLLATE latin1_general_ci NOT NULL,
  `med_name` varchar(60) COLLATE latin1_general_ci DEFAULT NULL,
  `med_manufacturer` varchar(60) COLLATE latin1_general_ci DEFAULT NULL,
  `med_image` varchar(40) COLLATE latin1_general_ci DEFAULT NULL,
  `med_descr` longtext COLLATE latin1_general_ci DEFAULT NULL,
  `med_price` decimal(6,2) NOT NULL,
  `used_for_id` int(10) UNSIGNED NOT NULL,
  `type_id` int(10) DEFAULT NULL
);

-- Table structure for table `cart`

CREATE TABLE `cart` (
```



```

`id` int(10) NOT NULL,
`customerid` int(10) UNSIGNED NOT NULL,
`date` timestamp NOT NULL DEFAULT current_timestamp()
);

-- data for table `cart`

INSERT INTO `cart` (`id`, `customerid`, `date`) VALUES
(23, 7, '2019-07-05 15:21:55');

-- Table structure for table `cartitems`

CREATE TABLE `cartitems` (
  `id` int(10) NOT NULL,
  `cartid` int(10) UNSIGNED NOT NULL,
  `productid` varchar(20) COLLATE latin1_general_ci NOT NULL,
  `quantity` tinyint(3) UNSIGNED NOT NULL
);

-- data for table `cartitems`

-- Table structure for table `type`

CREATE TABLE `type` (
  `type_id` int(10) NOT NULL,
  `type_name` varchar(60) COLLATE latin1_general_ci NOT NULL
);

-- data for table `type`

-- Table structure for table `customers`

CREATE TABLE `customers` (
  `id` int(10) NOT NULL,
  `firstname` varchar(40) NOT NULL,
  `lastname` varchar(40) NOT NULL,
  `email` varchar(40) NOT NULL,
  `password` varchar(40) NOT NULL,
  `address` varchar(120) NOT NULL,
  `city` varchar(40) NOT NULL,
  `zipcode` varchar(40) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

-- data for table `customers`

```

```
INSERT INTO `customers` (`id`, `firstname`, `lastname`, `email`, `password`, `address`,  
`city`, `zipcode`) VALUES  
(1, 'nikhil', 'parasu', 'nikhil.parasu517@gmail.com', 'nikhil', 'Nellore', 'Nellore',  
'524004');
```

```
--  
-- Table structure for table `expert`  
--
```

```
CREATE TABLE `expert` (  
  `name` varchar(20) COLLATE latin1_general_ci NOT NULL,  
  `pass` varchar(40) COLLATE latin1_general_ci NOT NULL  
);
```

```
-- data for table `expert`  
INSERT INTO `expert` (`name`, `pass`) VALUES  
('expert', 'expert');
```

```
-- Table structure for table `manager`
```

```
CREATE TABLE `manager` (  
  `name` varchar(20) COLLATE latin1_general_ci NOT NULL,  
  `pass` varchar(40) COLLATE latin1_general_ci NOT NULL  
);
```

```
-- data for table `manager`  
INSERT INTO `manager` (`name`, `pass`) VALUES  
('manager', 'manager');
```

```
-- Table structure for table `used_for`
```

```
CREATE TABLE `used_for` (  
  `used_for_id` int(10) UNSIGNED NOT NULL,  
  `used_for_name` varchar(60) COLLATE latin1_general_ci NOT NULL  
);
```

```
-- data for table `used_for`
```

```
ALTER TABLE `medicines`  
  ADD PRIMARY KEY (`med_serial`);
```

```

ALTER TABLE `cart`
  ADD PRIMARY KEY (`id`);

ALTER TABLE `cartitems`
  ADD PRIMARY KEY (`id`);

ALTER TABLE `type`
  ADD PRIMARY KEY (`type_id`);

ALTER TABLE `customers`
  ADD PRIMARY KEY (`id`);

ALTER TABLE `used_for`
  ADD PRIMARY KEY (`used_for_id`);

ALTER TABLE `cart`
  MODIFY `id` int(10) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=27;

ALTER TABLE `cartitems`
  MODIFY `id` int(10) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=28;

ALTER TABLE `type`
  MODIFY `type_id` int(10) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=12;

ALTER TABLE `customers`
  MODIFY `id` int(10) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=8;

ALTER TABLE `used_for`
  MODIFY `used_for_id` int(10) UNSIGNED NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=14;
COMMIT;

```

Index code:

```

<?php
  session_start();
  $count = 0;
  $title = "Index";
  require_once "../template/header.php";
  require_once "../functions/database_functions.php";
  $conn = db_connect();
  $row = select4Latestmed($conn);
?>

```

```

<br/> <br/>
<p class="lead text-center text-muted">OUR TOP SALE MEDICINES</p>
<br><br>
<div class="row">
    <?php
    foreach($row as $medicine)
    {
        ?>
        <div class="col-md-3">
            <a href="medicine.php?medserial=<?php echo $medicine['med_serial']; ?>">
                
            </a>
        </div>
    </div>
    <?php
    } ?>
</div>
<?php
if(isset($conn)) {mysqli_close($conn);}
require_once "../template/footer.php";
?>

```

Admin medicine code:

```

<?php
    session_start();
    if((!isset($_SESSION['manager']) && !isset($_SESSION['expert'])))
    {
        header("Location:index.php");
    }
    $title = "List of medicines";
    require_once "../template/header.php";
    require_once "../functions/database_functions.php";
    $conn = db_connect();
    $result = getAll($conn);
?>

<div>

    <a href="admin_signout.php" class="btn btn-danger"><span class="glyphicon glyphicon-
off"></span>&nbsp;Logout</a>
    <a href="admin_used_for.php" class="btn btn-primary"><span class="glyphicon glyphicon-
paperclip"></span>&nbsp;Uses</a>
    <a href="admin_types.php" class="btn btn-primary"><span class="glyphicon glyphicon-list-
alt"></span>&nbsp;Types</a>
    <?php
    if (isset($_SESSION['manager']) && $_SESSION['manager']==true)
    {
        echo '<a class="btn btn-primary" href="admin_add.php"><span class="glyphicon
glyphicon-plus"></span>&nbsp;Add New Medicine</a>';
    }
?>

```

```

</div>

<table class="table" style="margin-top: 20px">
    <tr>
        <th>Serial number</th>
        <th>Medicine name</th>
        <th>Manufacturer</th>
        <th>Image</th>
        <th>Description</th>
        <th>Price</th>
        <th>Used for</th>
        <th>Type</th>
        <th>&nbsp;</th>
        <th>&nbsp;</th>
    </tr>
    <?php while($row = mysqli_fetch_assoc($result))
    {
        ?>
        <tr>
            <td><?php echo $row['med_serial']; ?></td>
            <td><?php echo $row['med_name']; ?></td>
            <td><?php echo $row['med_manufacturer']; ?></td>
            <td><?php echo $row['med_image']; ?></td>
            <td><?php echo $row['med_descr']; ?></td>
            <td><?php echo $row['med_price']; ?></td>
            <td><?php echo getuseName($conn, $row['used_for_id']); ?></td>
            <td><?php echo gettypeName($conn, $row['type_id']); ?></td>
            <?php
                if( isset($_SESSION['expert']) && $_SESSION['expert']==true)
                {
                    echo '<td><a href="admin_edit.php?medserial=';
                    echo $row['med_serial'];
                    echo '"><span class="glyphicon glyphicon-pencil"></span>Edit</a></td>';
                }
                else if (isset($_SESSION['manager']) && $_SESSION['manager']==true)
                {
                    //for deleting medicine
                    echo '<td><a href="admin_delete.php?medserial=';
                    echo $row['med_serial'];
                    echo '"><span class="glyphicon glyphicon-trash"></span>Delete</a></td>';
                }
            ?>

        </tr>
    <?php } ?>
</table>

<?php
if(isset($conn))
{
    mysqli_close($conn);
}

```

```
require_once "../template/footer.php";
?>
```

Medicines code:

```
<?php
    session_start();
    $count = 0;
    require_once "../functions/database_functions.php";
    $conn = db_connect();
    if(isset($_POST['name']))
    {
        if(isset($_POST['asc']))
        {
            $query = "SELECT * FROM medicines order by med_name asc";
        }
        else if(isset($_POST['desc']))
        {
            $query = "SELECT * FROM medicines order by med_name desc";
        }
        else
        {
            $query = "SELECT * FROM medicines";
        }
    }
    else if(isset($_POST['price']))
    {
        if(isset($_POST['asc']))
        {
            $query = "SELECT * FROM medicines order by med_price asc";
        }
        else if(isset($_POST['desc']))
        {
            $query = "SELECT * FROM medicines order by med_price desc";
        }
        else
        {
            $query = "SELECT * FROM medicines";
        }
    }
    else if(isset($_POST['manufacturer']))
    {
        if(isset($_POST['asc']))
        {
            $query = "SELECT * FROM medicines order by med_manufacturer asc";
        }
        else if(isset($_POST['desc']))
        {
            $query = "SELECT * FROM medicines order by med_manufacturer desc";
        }
        else
    }
```

```

    {
        $query = "SELECT * FROM medicines";
    }
}
else
{
    $query = "SELECT * FROM medicines";
}

$result = mysqli_query($conn, $query);
$title = "Full Types of Medicines";
require_once "../template/header.php";
?>

<p class="lead text-center text-muted">All available Medicines</p>
<h5 class="lead text-muted">Sort By:</h5>

<form method="post" action="medicines.php">
    <div class="radio">
        <label><input type="radio" name="asc" >Ascending</label>
    </div>
    <div class="radio">
        <label><input type="radio" name="desc">Descending</label>
    </div>

    <button type="submit" class="btn btn-secondary" name="title">Name</button>
    <button type="submit" class="btn btn-secondary" name="price">Price</button>
    <button type="submit" class="btn btn-secondary" name="author">Manufacturer</button>
    <button type="submit" class="btn btn-secondary" name="clear">Clear</button>

</form>

<br><br>

<?php for($i = 0; $i < mysqli_num_rows($result); $i++)
{ ?>
    <div class="row">
        <?php while($query_row = mysqli_fetch_assoc($result))
        { ?>
            <div class="col-md-3">
                <a href="medicine.php?medserial=<?php echo $query_row['med_serial']; ?>">
                    
                </a>
                <table>
                    <tr>
                        <td><strong> <?php echo $query_row['med_name']; ?></strong></td>
                    </tr>
                    <tr>
                        <td> <?php echo $query_row['med_manufacturer']; ?></td>
                    </tr>
                    <tr>

```

```

        <td><strong>Rs <?php echo $query_row['med_price'];?></strong> </td>
    </tr>
</table>
</div>
<?php
    $count++;
    if($count >= 4)
    {
        $count = 0;
        break;
    }
} ?>
</div>
<br><br>
<?php
}
if(isset($conn)) { mysqli_close($conn); }
require_once "../template/footer.php";
?>

```

Database functions code:

```

<?php
    if (!function_exists("db_connect"))
    {
        function db_connect()
        {
            $conn = mysqli_connect("localhost", "root", "", "med");
            if(!$conn){
                echo "Can't connect database " . mysqli_connect_error($conn);
                exit;
            }
            return $conn;
        }
    }
    if (!function_exists("select4Latestmed"))
    {
        function select4Latestmed($conn)
        {
            $row = array();
            $query = "SELECT med_serial, med_image FROM medicines ORDER BY med_serial DESC";
            $result = mysqli_query($conn, $query);
            if(!$result)
            {
                echo "Can't retrieve data " . mysqli_error($conn);
                exit;
            }
            for($i = 0; $i < 4; $i++)
            {
                array_push($row, mysqli_fetch_assoc($result));
            }
        }
    }

```



```

        return $row;
    }
}
if (!function_exists("getmedBySerial"))
{
    function getmedBySerial($conn, $serial)
    {
        $query = "SELECT med_name, med_manufacturer, med_price FROM medicines WHERE
med_serial = '$serial'";
        $result = mysqli_query($conn, $query);
        if(!$result)
        {
            echo "Can't retrieve data " . mysqli_error($conn);
            exit;
        }
        return $result;
    }
}
if (!function_exists("getCartId"))
{
    function getCartId($conn, $customerid){
        $query = "SELECT id FROM cart WHERE customerid = '$customerid'";
        $result = mysqli_query($conn, $query);
        if(!$result){
            echo "retrieve data failed!" . mysqli_error($conn);
            exit;
        }
        $row = mysqli_fetch_assoc($result);
        return $row['id'];
    }
}
if (!function_exists("insertIntoCart"))
{
    function insertIntoCart($conn, $customerid,$date)
    {
        $query = "INSERT INTO cart(customerid,date) VALUES('$customerid','$date') ";
        $result = mysqli_query($conn, $query);
        if(!$result)
        {
            echo "Insert Cart failed " . mysqli_error($conn);
            exit;
        }
    }
}
if (!function_exists("getmedprice"))
{
    function getmedprice($serial){
        $conn = db_connect();
        $query = "SELECT med_price FROM medicines WHERE med_serial = '$serial'";
        $result = mysqli_query($conn, $query);
        if(!$result)
        {

```

```

        echo "get medicine price failed! " . mysqli_error($conn);
        exit;
    }
    $row = mysqli_fetch_assoc($result);
    return $row['med_price'];
}
}
if (!function_exists("getCustomerId"))
{
    function getCustomerId($name, $address, $city, $zip_code, $country)
    {
        $conn = db_connect();
        $query = "SELECT customerid from customers WHERE
        name = '$name' AND
        address= '$address' AND
        city = '$city' AND
        zip_code = '$zip_code' AND
        country = '$country'";
        $result = mysqli_query($conn, $query);
        if($result)
        {
            $row = mysqli_fetch_assoc($result);
            return $row['customerid'];
        }
        else
        {
            return null;
        }
    }
}
if (!function_exists("getCustomerIdByEmail"))
{
    function getCustomerIdByEmail($email)
    {
        $conn = db_connect();
        $query = "SELECT * from customers WHERE email = '$email'";
        $result = mysqli_query($conn, $query);
        if($result)
        {
            $row = mysqli_fetch_assoc($result);
            return $row;
        }
        else
        {
            return null;
        }
    }
}
if (!function_exists("getuseName"))
{
    function getuseName($conn, $useforid)
    {

```

```

        $query = "SELECT used_for_name FROM used_for WHERE used_for_id = '$useforid'";
        $result = mysqli_query($conn, $query);
        if(!$result)
        {
            echo "Can't retrieve data " . mysqli_error($conn);
            exit;
        }
        if(mysqli_num_rows($result) == 0)
        {
            echo "Not Set";
        }

        $row = mysqli_fetch_assoc($result);
        return $row['used_for_name'];
    }
}
if (!function_exists("gettypename"))
{
    function gettypename($conn, $typeid)
    {
        $query = "SELECT type_name FROM type WHERE type_id = '$typeid'";
        $result = mysqli_query($conn, $query);
        if(!$result)
        {
            echo "Can't retrieve data " . mysqli_error($conn);
            exit;
        }
        if(mysqli_num_rows($result) == 0){
            echo "Not Set";
        }

        $row = mysqli_fetch_assoc($result);
        return $row['type_name'];
    }
}
if (!function_exists("getAll"))
{
    function getAll($conn){
        $query = "SELECT * from medicines ORDER BY med_serial DESC";
        $result = mysqli_query($conn, $query);
        if(!$result)
        {
            echo "Can't retrieve data " . mysqli_error($conn);
            exit;
        }
        return $result;
    }
}
if (!function_exists("getalluse"))
{
    function getalluse($conn)
    {

```

```

        $query = "SELECT * from used_for ORDER BY used_for_name ASC";
        $result = mysqli_query($conn, $query);
        if(!$result){
            echo "Can't retrieve data " . mysqli_error($conn);
            exit;
        }
        return $result;
    }
}
if (!function_exists("getAlltypes"))
{
    function getAlltypes($conn)
    {
        $query = "SELECT * from type ORDER BY type_name ASC";
        $result = mysqli_query($conn, $query);
        if(!$result)
        {
            echo "Can't retrieve data " . mysqli_error($conn);
            exit;
        }
        return $result;
    }
}
}

```

?>

Conclusion:

In this project we mostly used PHP and html only, and some parts where the database is required, we used SQL. We got succeeded in making a online drug store where user can login and order medicines online. Many types of medicines are available here. Also without logging in user can view all the medicines in the website, just like other famous websites like Amazon. But when they want to access the cart they need to log in. Manager and expert login ids are available, who will control the content in the website.

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