ABSTRACT

*An art gallery is a place where the arts or art crafts of the artists can be displayed for the visitors view. Sometimes it will be difficult to maintain the details of the artists and their paintings details through the pen and paper method. The art gallery management is the application that allows the art gallery owners to maintain the details of the artists and the details of their paintings with great ease. This will be one of the useful applications for the owners of the art gallery which will reduce most of their work.*

*The artists can have their pencil sketches, glass paintings, oil paintings and many other forms of paintings that can be displayed in art gallery. Some of the art galleries will be having the paintings of some years ago. But at some point of time if the artists details is required, then you can get it easily if this application is used by the owner of the art gallery.*

*This project intends to include various features related to an art gallery i.e. information about gallery, artists, their paintings, customers (the one who bought the paintings) etc. The main aim is to help art lovers know about the art works included and the artists. People who wish to buy an art work can very easily add it to their cart and proceed for checkout. There is a login page for the artists and customer. Artists can login through their account and include details about new paintings made by them. Customers can login through their account and see different paintings available for selling purpose. Users can like the paintings to appreciate the painter’s work .*

INTRODUCTION

*An online art gallery keeps information about the “Artists”, their names, birthplace, age and style of art about “art work”, artist , unique title , type of art and prices of art works . The pieces of artwork is classified into various kinds like medieval art , nature , animal, landscapes , etc . The gallery keeps information about customers as well as the artists as their unique name, total amount spent on gallery and the likings of the customer.*

*Proposed System :*

*ONLINE ART GALLERY is a website and it is very helpful for the art lovers and others who want to buy an art work.*

*This website helps the end users to search their arts and paintings and they can place order for the selected pieces. It facilitates the artists to create their profile on this system and keep track of their art works and also upload their new art forms in the digital form . They will be able to see which of their paintings have been sold and number of likes each of their paintings have got . The paintings would be categorised into different types such as nature, animal, landscapes, etc. Customers would be able to access any particular category according to their interests or any particular artist of their liking after they create an account on this website. They can like any painting and if they are interested in buying it then they can add it to their cart and proceed for checkout . User and artists can also edit their profile info and photos.*

FUNCTIONALITIES IMPLEMENTED

* *Artists and customers have a separate login.*
* *Artists can add their art works to the art gallery by logging into his art gallery account.*
* *Both artists and customers can edit their profile.*
* *Paintings can be viewed by the customers according to the categories they like to view as well as artists.*
* *A customer can purchase a painting by adding the painting to his cart and proceeding to checkout.*
* *Art works’ name and customer id’s are unique.*
* *Customers will be able to view only the unsold works whereas artists can access all his works.*
* *Customers will be able to like various paintings.*
* *Customers can browse the paintings in sorted order based on either number of likes or highest price.*

TECHNOLOGIES USED

* *PHP*
* *MYSQL*
* *HTML, CSS, Bootstrap*
* *XAMPP Server*
* *APACHE Server*
* *Javascript*
* *jQuery*
* *Draw.io*
* *Github*

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CONCLUSION AND FUTURE ENHANCEMENTS

*Our objective was to implement an online Art Gallery System which enables painters to register themselves and upload their artwork. It also provide user interface for user register and login. User can browse various paintings based on categories like nature, animal, landscape etc as well as by artists. User can like the paintings and also them them in their cart if they wish to purchase them. User and artist can edit their profiles.*

*In future, we plan to implement admin portal who will organise and co-ordinate various exhibitions held at different locations all over india. User will be able to contact them for more details and visit these exhibitions to participate in auction process to buy paintings.*

REFERENCES

* *Database System Concepts, 6th Edition, Abraham Silberschatz, Henry F. Korth, S. Sudarshan*
* *https://www.w3schools.com*
* [*https://www.stackoverflow.com*](https://www.stackoverflow.com)
* *Wikipedia*
* *Tutorialspoint.com*

*Implementation and Code*

*Connect to database:*

*<?php*

*$servername = "localhost";*

*$username = "Gurmeet";*

*$password = "WINDOWSTEN";*

*$dbname="art\_gallery";*

*$con=mysqli\_connect($servername,$username,$password,$dbname);*

*?>*

*Add to cart:*

*<?php*

*$name = $\_REQUEST["q"];*

*$id = $\_REQUEST["p"];*

*$con=mysqli\_connect($servername,$username,$password,$dbname);*

*$sql = "insert into cart values(".$id.",'$name')";*

*mysqli\_query($con, $sql);*

*?>*

*Artist Details:*

*<?php*

*$sql = "select \* from artist where Id=".$id ;*

*$sql2 = "select \* from art where Painter=".$id ;*

*$sql1 = "select sum(likes) from art where painter = ".$id ;*

*$res1=mysqli\_query($con,$sql1);*

*$row1 = mysqli\_fetch\_assoc($res1);*

*$likes = $row1["sum(likes)"];*

*$res=mysqli\_query($con,$sql);*

*$res2=mysqli\_query($con,$sql2);*

*$cnt = mysqli\_num\_rows($res2);*

*if (mysqli\_num\_rows($res) > 0)*

*{*

*$row = mysqli\_fetch\_assoc($res);*

*}*

*else*

*die();*

*?>*

*Buy Paintings from Cart:*

*<?php*

*$spent = $\_REQUEST["c"];*

*$id = $\_REQUEST["q"];*

*$sql = "select Art from cart where Id = ".$id;*

*$res = mysqli\_query($con, $sql);*

*if (mysqli\_num\_rows($res) > 0) {*

*while($row = mysqli\_fetch\_assoc($res)) {*

*$name = $row['Art'];*

*$sql1 = "update art set Sold = 'Yes', Bought\_by = ".$id." where Name = '$name'";*

*mysqli\_query($con, $sql1);*

*}}*

*$sql3 = "delete from cart";*

*$sql2 = "update user set Spent = Spent + ".$spent." where Id = ".$id;*

*mysqli\_query($con, $sql2);*

*mysqli\_query($con, $sql3);*

*echo "OK";*

*?>*

*Display Cart:*

*<?php*

*$userid = $\_REQUEST["q"];*

*$sql = "select Art from cart where id=".$userid;*

*$res=mysqli\_query($con,$sql);*

*?>*

*Delete from cart:*

*<?php*

*$name = $\_REQUEST["q"];*

*$id = $\_REQUEST["p"];*

*$sql = "delete from cart where Art = '$name' and Id = ".$id;*

*mysqli\_query($con, $sql);*

*?>*

*Unlike the painting:*

*<?php*

*$name = $\_REQUEST["q"];*

*$id = $\_REQUEST["p"];*

*$sql = "delete from liked where Art = '$name' and Id = ".$id;*

*$sql1 = "update art set likes = likes - 1 where Name = '$name'";*

*mysqli\_query($con, $sql);*

*mysqli\_query($con, $sql1);*

*?>*

*Edit Artist Details:*

*<?php*

*$name = $\_POST["name"];*

*$email = $\_POST["email"];*

*$ph = $\_POST["ph"];*

*$user = $\_POST["username"];*

*$birth = $\_POST["birth"];*

*$sql = "update artist set pname = '$name',Email = '$email',Phone = '$ph', Username = '$user',Birthplace = '$birth' where Id = ".$id;*

*header("Location: http://localhost/Art/artist\_details.php");*

*?>*

*Edit Artist Details:*

*<?php*

*$name = $\_POST["name"];*

*$email = $\_POST["email"];*

*$ph = $\_POST["ph"];*

*$user = $\_POST["username"];*

*$sql = "update user set Name = '$name',Email = '$email',Phone = '$ph',Username = '$user' where Id = ".$id;*

*$conn->query($sql);*

*header("Location:* [*http://localhost/Art/profile\_user.php?q=".$id*](http://localhost/Art/profile_user.php?q=%22.$id)*);*

*?>*

*Check login details of user:*

*<?php*

*$roll = $\_POST["rno"];*

*$sql = "SELECT Password,Id FROM user WHERE Username='$roll'";*

*$result = $conn->query($sql);*

*if ($result->num\_rows > 0) {*

*$row = $result->fetch\_assoc();*

*$pass = $row["Password"];*

*$id = $row["Id"];*

*$\_SESSION["uid"] = $id;*

*if(strcmp($pass,$\_POST["user\_pwd"])==0){*

*header('Location: http://localhost/Art/user.php?t=all&a=all&s=Price'); }*

*else{*

*$perr = "\*Invalid Password";*

*}*

*}*

*?>*

*Check login details of artist:*

*<?php*

*$roll = $\_POST["rno"];*

*$sql = "SELECT Password,Id FROM artist WHERE Username='$roll'";*

*$result = $conn->query($sql);*

*if ($result->num\_rows > 0) {*

*$row = $result->fetch\_assoc();*

*$pass = $row["Password"];*

*$id = $row["Id"];*

*$\_SESSION["uid"] = $id;*

*if(strcmp($pass,$\_POST["user\_pwd"])==0){*

*header('Location: http://localhost/Art/user.php?t=all&a=all&s=Price'); }*

*else{*

*$perr = "\*Invalid Password";*

*}*

*}*

*?>*

*Like a Painting:*

*<?php*

*$name = $\_REQUEST["q"];*

*$id = $\_REQUEST["p"];*

*$sql = "insert into liked values(".$id.",'$name')";*

*$sql1 = "update art set likes = likes + 1 where Name = '$name'";*

*mysqli\_query($con, $sql);*

*mysqli\_query($con, $sql1);*

*?>*

*Show user details:*

*<?php*

*$sql = "select \* from user where Id = ".$userid;*

*$res = mysqli\_query($con, $sql);*

*$row = mysqli\_fetch\_assoc($res);*

*?>*

*Resisteration of User:*

*<?php*

*$name = $\_POST["name"];*

*$email = $\_POST["email"];*

*$ph = $\_POST["ph"];*

*$user = $\_POST["username"];*

*$pwd = $\_POST["pwd"];*

*$cpwd = $\_POST["cpwd"];*

*$pic=($\_FILES['image']['name']);*

*$pic = substr($pic, 0, -4);*

*$sql = "INSERT INTO user VALUES ('$name', '$ph', '$email', '$user', '$pwd', 0, '', '$pic')";*

*?>*

*Resisteration of Artist:*

*<?php*

*$name = $\_POST["name"];*

*$email = $\_POST["email"];*

*$ph = $\_POST["ph"];*

*$pic=($\_FILES['image']['name']);*

*$pic = substr($pic, 0, -4);*

*$dob = $\_POST['dob'];*

*$user = $\_POST["username"];*

*$pwd = $\_POST["pwd"];*

*$cpwd = $\_POST["cpwd"];*

*$sql = "INSERT INTO artist VALUES ('$name', '$ph', '$email', '$dob', '', '$user', '$pwd','$pic')";*

*?>*

*Home Page:*

*<?php*

*$userid = $\_SESSION["uid"];*

*$type = $\_REQUEST["t"];*

*$artist = $\_REQUEST["a"];*

*$sort = $\_REQUEST["s"];*

*if($type=='all' and $artist=='all'){*

*$sql = "select \* from art,artist where artist.id=art.painter and art.Sold='NO' order by art.".$sort." desc";}*

*else if($type!='all' and $artist=='all'){*

*$sql = "select \* from art,artist where artist.id=art.painter and art.Sold='NO' and art.type='$type' order by art.".$sort." desc";*

*}*

*else{*

*$sql = "select \* from art,artist where artist.id=art.painter and art.Sold='NO' and artist.pname='$artist' order by art.".$sort." desc";*

*}*

*$sql1 = "select Art from cart where id=".$userid;*

*$sql2 = "select Art from liked where id=".$userid;*

*$res=mysqli\_query($con,$sql);*

*$res1=mysqli\_query($con,$sql1);*

*$res2=mysqli\_query($con,$sql2);*

*$cart = array();*

*$liked = array();*

*$i=0;*

*if (mysqli\_num\_rows($res1) > 0) {*

*while($row = mysqli\_fetch\_assoc($res1)) {*

*$cart[$i] = $row["Art"];*

*$i++;*

*}}*

*$i=0;*

*if (mysqli\_num\_rows($res2) > 0) {*

*while($row = mysqli\_fetch\_assoc($res2)) {*

*$liked[$i] = $row["Art"];*

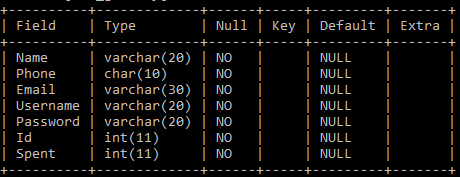
*$i++;*

*}}*

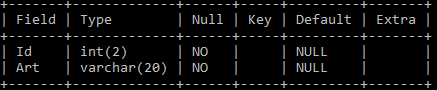
*?>*

*Tables Implemented*

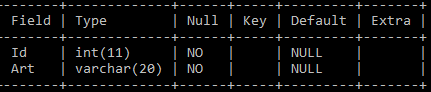
*User:*

**

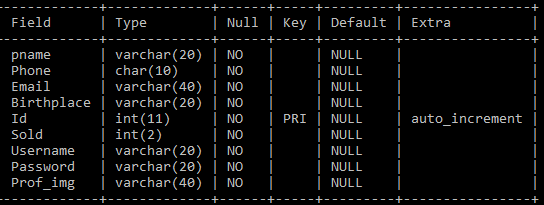
*Liked:*

**

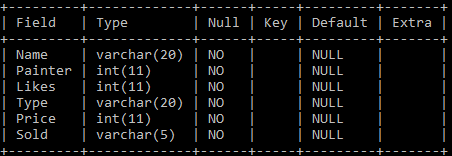
*Cart:*

**

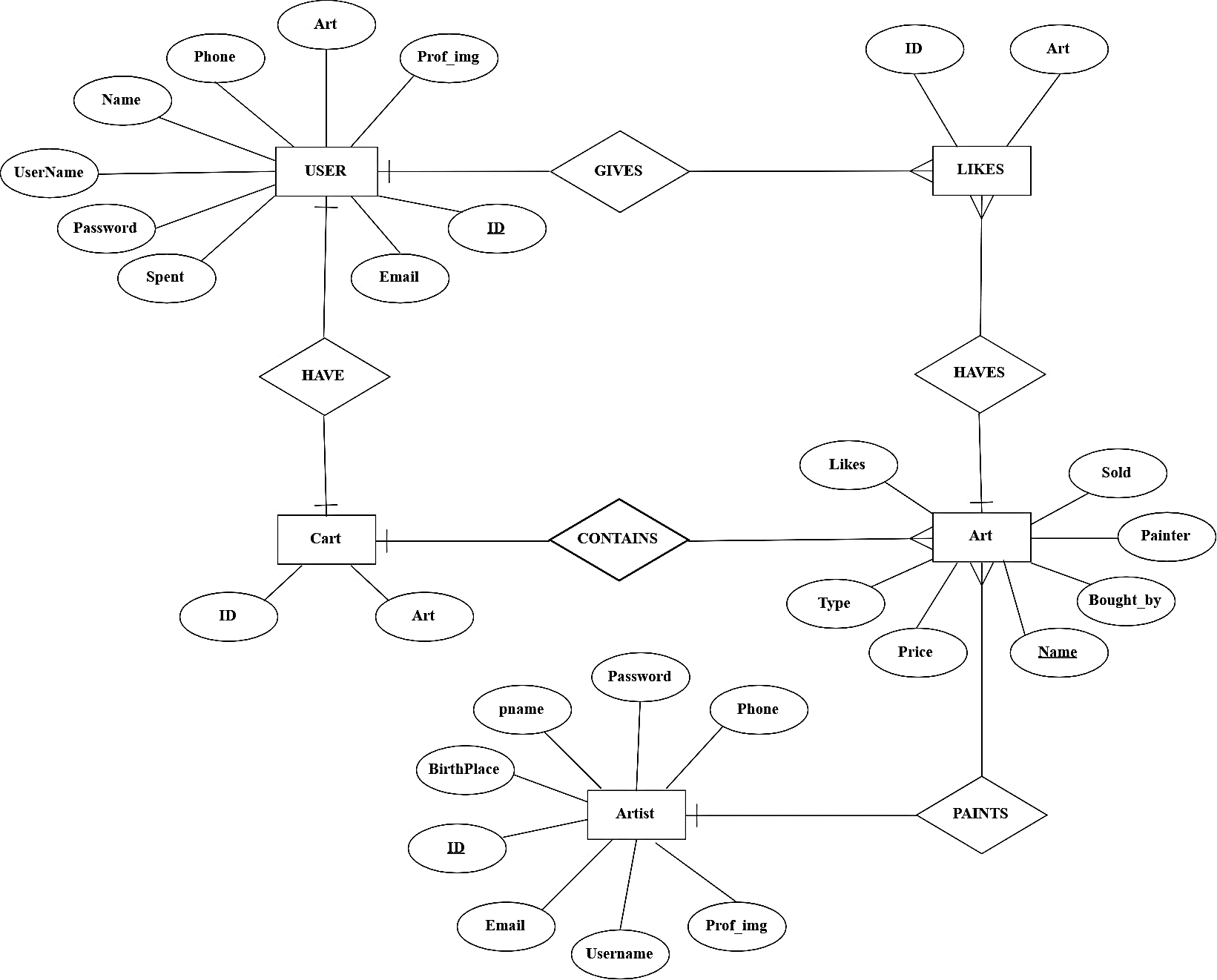
*Artist:*

**

*Art:*

**

*ER DIAGRAM*

**

*TESTING*

