Shutterbugg: Photography Website

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Abstract: - Photography enthusiasts are eager to communicate, share high-quality photos with others, so Photographer needs a system, which not only allows him to upload photo and but also acts as a powerful marketing tool. Shutterbugg is an online platform, a website used by professional as well as amateur photographers to showcase their photos to world. The Shutterbugg Photography Website will provide a variety of functions for photographers to upload photos, to manage the uploaded photos and provide a variety of operations to easily create and manage their own albums.

Key Words: — ***Album integration, database, xampp server.***

I. INTRODUCTION

In today's technological age, it is just expected that any legitimate business will have a website. People love to go online and scope things out before they commit to anything or anyone. Nowadays, many photography enthusiasts expect to have a platform to share high-quality photos with the world and manage their online storage photos more efficiently and conveniently. Building and maintaining a photography website that not only shows your work, but also acts as a powerful marketing tool. For Shutterbugg Photography Website we maintained a database on Xampp server. And in the database updates regarding photos insertion and deletion is maintained .On the basis of events Photographer can upload specific photos into albums on Shutterbugg Website. To create a Shutterbugg Photography Website with Album Integration the database is built on XAMPP Server and the application is developed on Laravel Framework using PHP, Javascript and Ajax.

II. SYSTEM REQUIREMENT ANALYSIS

A. Functional requirement analysis

First of all, requirements of this system are analyzed. Based on this analysis, we determine that the subsystem contains five parts: Homepage, Photo Management, Album Management, and User and Authorization Management.

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*Homepage***:**

The Homepage is the "Home" of photographer, for others to visit over Internet. When visitor visit a photographer's homepage, the page will automatically show the photographer's contact details, representative photos, selected album and user customize, which also functions as a guide for browsing all his photos and information.

*Photo Management***:**

Photographer can upload, delete, move and copy photos. For Shutterbugg Photography Website we maintained a database on Xampp server. And in the database updates regarding photos insertion and deletion is maintained.

*Album Management***:**

Album Management allows photographer to create and manage album, the operations include creating, deleting, removing and modifying albums. It also allows photographer to manage photos inside an album.

*Client and Authorization Management***:**

Photographer will provide unique Album Id to each and individual client and using that album Id clients can see their personal photographs on website .With the help of unique Album Id client can access there photographs and normal site users cannot access these photographs, they can only see representative photos which does not need unique Album Id.

B. Non-functional requirement analysis

Non-functional requirement constitute an important component of requirement analysis, they not only enable developers to have a more detailed and accurate understanding of the system,

but also improve product quality and make the development more efficient.

Feasibility:

The overall goal is to make the system simple and user-friendly, the system's interface is designed to be concise and clear.

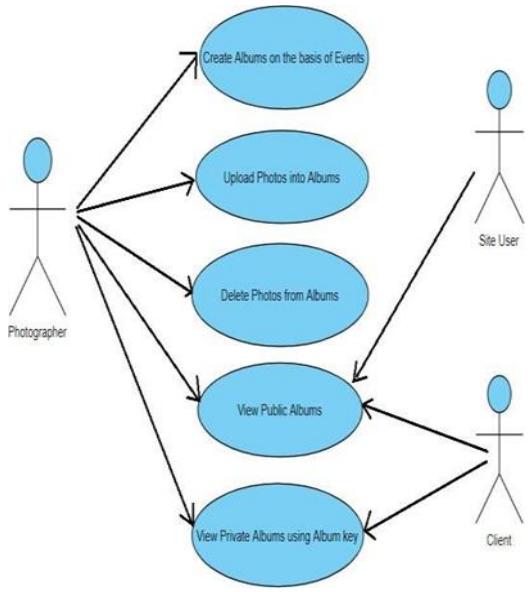
Scalability and maintainability:

The MVC framework is used in order to make the system have good scalability and maintainability, which makes the system's view layer, logical business layer and data manipulation layer to be independent of each other, and also makes it easy to do future development and system maintenance.

System performance:

If the photographer and the server frequently interact with large amounts of data, a lot of bandwidth will be consumed, resulting in slower respond, worse user experience and maybe other problems. Therefore, we have used AJAX to refresh only part of the page elements, instead of all the elements. It can improve the response speed and user experience.

C. Use case analysis for the system



III. IMPLEMENTATION OF THE SYSTEM

A. Implementation of the Personal homepage

This module's interface is the photographer's personal homepage.

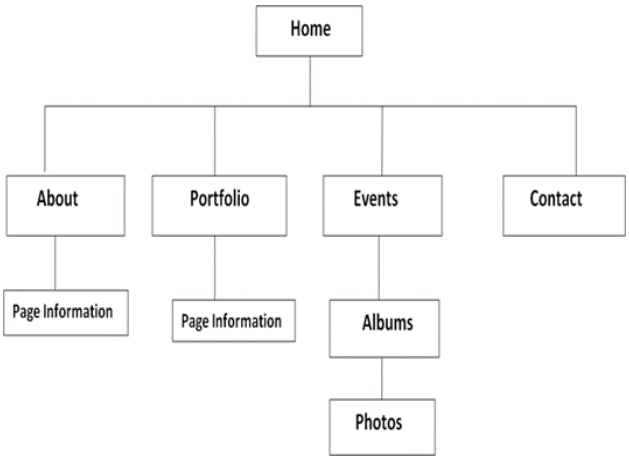


Fig.1. System design

B. Implementation of the Album Management module

Album Integration allows photographer to create and manage album using individual Client Id and Event Id. Album integration allows operations include creating, deleting, removing and modifying albums. It also allows photographer to manage photos inside an album. To view Albums based on unique Event Id we used Ajax for dynamically dependent dropdown list of albums.

```
$(document).ready(function()
{
$(".event").change(function()
{
   if($(this).val()!='')
   {
var Id=$(this).val();
var post_id = 'id='+ Id;

$.ajax
({
method='GET',
url: "{{ url('AController.action')}}",
data: 'post_id, _token,dependent',
dataType:'json',
cache: false,
success: function(album)
{
$(".albums").html(album);
}
});
   }

});
});
```

C. Storage space management subsystem

Storage space management subsystem is mainly used when photographer upload photos and administrators perform storage management or database backup.

The main processing flow of the storage space management subsystem when photographer upload photos is as follows:

- For Shutterbugg Photography Website a database is maintained on Xampp server.
- move_upload_files() function helps to upload photos to specific album and the image path also stores in the database.

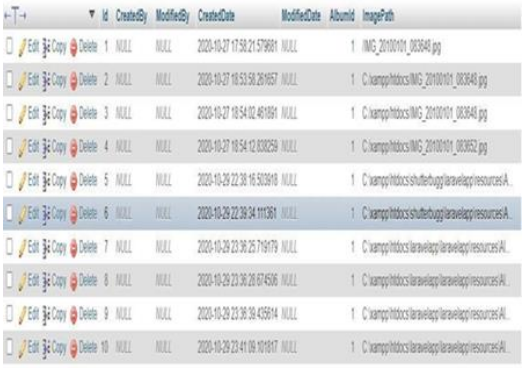
```
move_uploaded_file(file_path,moved path)
```

file_path − The file to be moved.

moved_path − Where the file will be moved.

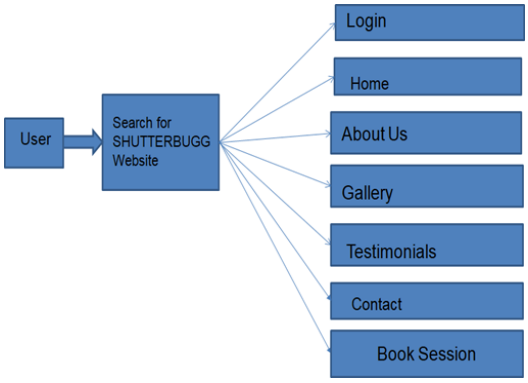
```
public function action(Request $request)
{

 if(isset($_POST['btn_upload']))

 {
  $post_id=$request->get('post_id');


  $AlbumId=$_POST["AlbumId"];
  $album_name=$_POST["album_name"];


  $filetmp=$_FILES["file_img"]["tmp_name"];
  $filename=$_FILES["file_img"]["name"];

  $filepath=resource_path().'\\'.$album_name.'\\'.$filename;

 move_uploaded_file($filetmp,$filepath);



  $result=$result=DB::table('album_images')->insert(
                              array(
                              'ImagePath'     => $filepath,
                              'AlbumId'   =>   $AlbumId
                              )
);
```

- Finally, the uploading function module stores the photo to the specified album and saves the photo's ClientId, EventId, AlbumId, and other related data to the corresponding database table.



- To show photos which are stored in database on Shutterbugg website we have write a sql query in the backend of our website,which will fetch photos based on unique AlbumId and AlbumName.
- The UI of website is designed with the help of Laravel framework.Laravel offers many libraries which help us to start building website from scratch. In the UI of website user can see navigation baar which includes Gallery, Testimonials,About me, Contact, Login,Book Session tabs.
- Shutterbugg website will allow users to watch photos captured by photographer .And users can book there session on this website by filling there details. Whenever user book any session on website,photographer will get mail.To get notified with the help of mail we have used SMTP protocol. On website, clients can watch their personal photos using unique AlbumId.

D. Working Flow of System



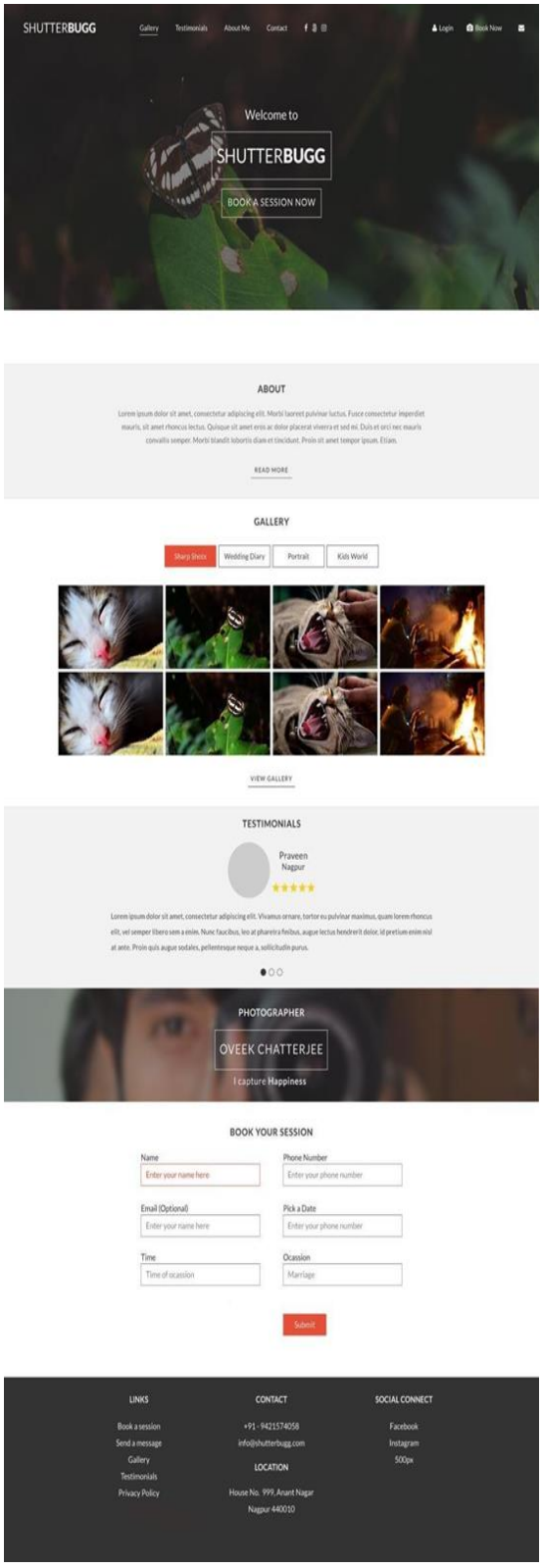


Fig.2. UI of Website

IV. CONCLUSION

This paper describes the design and implementation of the Shutterbugg a photography website. This system provides a user-friendly platform that highly meets the needs of photographers and the current market. The overall structure of the system is designed. This System consists of modules like Personal Homepage, the Photo Management, and the Album Management. Album Integration allows photographer to create and manage album using individual Client Id and Event Id. It allows operations include creating, deleting, removing and modifying albums. It also allows photographer to manage photos inside an album. Shutterbugg is an online platform, a website used by professional as well as amateur photographers to showcase their photos to world.

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