

# Documentation of Image Gallery

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# Abstract of Image Gallery

*Image Gallery is one of the very efficient and effective way of displaying and showing off high-quality Photographs in website.*

*We can use this gallery for websites to show our products and many other things relevant to our business.*

*This project is created with framework .NET (c#) , HTML ,CSS and Bootstrap.*

**.NET :** *NET is an open-source platform for building desktop, web, and mobile applications that can run natively on any operating system. The . NET system includes tools, libraries, and languages that support modern, scalable, and high-performance software development. An active developer community maintains and supports.*

**HTML:** *HTML stands for Hyper Text Markup Language. HTML is the standard markup language for creating Web pages. HTML describes the structure of a Web page. HTML consists of a series of elements. HTML elements tell the browser how to display the content.*

**CSS:** *CSS is the language for describing the presentation of Web pages, including colors, layout, and fonts. It allows one to adapt the presentation to different types of devices, such as large screens, small screens, or printers. CSS is independent of HTML and can be used with any XML-based markup language.*

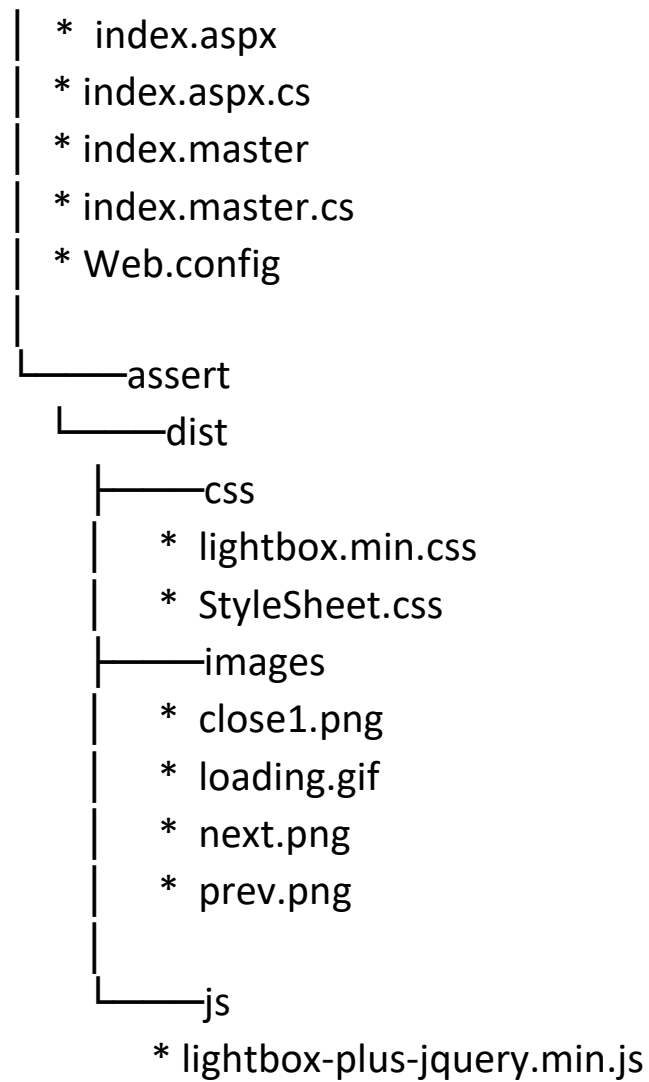
**Bootstrap:** *Bootstrap is a free, open source front-end development framework for the creation of websites and web apps. Designed to enable responsive development of mobile-first websites, Bootstrap provides a collection of syntax for template designs.*

## System Requirement

|                         |   |
|-------------------------|---|
| Operating System        | Window 8.1 And above, MAC OS  |
| Hardware                | RAM : 512 MB minimum<br>Processor : x86 or x64                        |
| Hard Disc & SSD         | Up to 3 GB of free space  |
| Development environment | Microsoft Visual Studio 2015<br>(Minimum).<br>SQL Server 2008 Express |
| Framework               | .NET Framework: Minimum .NET 4.5.1                                    |
| Browser                 | Chrome(Latest), Microsoft Edge  |

## Folder Structure

C:.(Image Gallery)



# Codes

## index.master

```
<%@ Master Language="C#" AutoEventWireup="true" CodeFile="index.master.cs"
Inherits="index" %>

<!DOCTYPE html>

<html>
<head runat="server">
    <title></title>
    <asp:ContentPlaceholder id="head" runat="server">
    </asp:ContentPlaceholder>
    <link href="assert/dist/css/lightbox.css" rel="stylesheet" />
    <link href="StyleSheet.css" rel="stylesheet" />
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/css/bootstrap.min.css"
rel="stylesheet"
        integrity="sha384-
rbsA2VBKQhggwzxH7pPCaAqO46MgnOM80zW1RWuH61DGLWZJEdK2Kadq2F9CUG65"
crossorigin="anonymous">
    </head>
<body>
    <form id="form1" runat="server">
    <div>
        <asp:ContentPlaceholder id="ContentPlaceHolder1" runat="server">

        </asp:ContentPlaceholder>
    </div>
    </form>

    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/js/bootstrap.bundle.min.js"
        integrity="sha384-
kenU1KFdBIe4zVF0s0G1M5b4hcxpyD9F7jL+jjXkk+Q2h455rYXK/7HAuoJl+0I4"
crossorigin="anonymous"></script>
    <script src="assert/dist/js/lightbox-plus-jquery.min.js"></script>
    </body>
</html>
```

## index.aspx

```
<%@ Page Title="" Language="C#" MasterPageFile="~/index.master"
AutoEventWireup="true" CodeFile="index.aspx.cs" Inherits="_Default" %>

<asp:Content ID="Content1" ContentPlaceHolderID="head" Runat="Server">
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1"
Runat="Server">
  <body style="background-color:#ECF2FF;">
    <!-- Navigation Bar Start -->
    <nav class="navbar" style="background-color:#3E54AC;">
      <div class="container-fluid">
        <a class="navbar-brand ms-5" style="color:white;font-
family:'Times';font-size:30px;" href="#">Image Gallery</a>
      </div>
    </nav>
    <!-- Navigation Bar End -->

    <!-- Thumbnail Start -->
    <asp:Label ID="Label1" runat="server" Text=""></asp:Label>
    <div class="container pt-5"><br />
      <div class="container-fluid">
        <!-- Image grid Dynamically -->
        <div runat="server" id="photos"></div>
      </div>
    </div>
    <!-- Thumbnail End -->

  </body>
</asp:Content>
```

**index.cs**

```

using System;
using System.Collections.Generic;
using System.Configuration;
using System.Data;
using System.Web.UI.WebControls;

public partial class _Default : System.Web.UI.Page
{
    //Established Database Connection
    SqlConnection con = new
    SqlConnection(ConfigurationManager.ConnectionStrings["Conn"].ConnectionString);

    protected void Page_Load(object sender, EventArgs e)
    {
        Photos();
    }
    // Function For Fetch Images From DataBase
    protected void Photos()
    {
        try
        {
            if (con.State == ConnectionState.Closed)
                con.Open();

            string sql_query = "select * from gallery";
            SqlCommand cmd = new SqlCommand(sql_query, con);
            SqlDataAdapter adp = new SqlDataAdapter(cmd);
            DataTable dt = new DataTable();
            adp.Fill(dt);
            if (dt.Rows.Count > 0 && dt != null)
            {
                string col = "<div class='row'>";
                for (int i = 0; i < dt.Rows.Count; i++)
                    col+="<div class='col-md-2 pb-4'> <div class='shadow'><a
href='"+ dt.Rows[i]["image"].ToString() + "' data-lightbox='example-set' ><img
style='height: 130px;' class='img-fluid thumbnail' src='"+
dt.Rows[i]["image"].ToString() + "'></a></div> </div>";
                col += "</div>";
                photos.InnerHtml = col;
            }
            else
                photos.InnerHtml = "Server Down Try Again..";
        }
        catch (Exception ex)
        {
            Label1.Text = ex.Message;
        }
        finally
        {
            con.Close();
        }
    }
}

```

## StyleSheet.css

```
body {  
    background-color: #ECF2FF;  
}  
  
.thumbnail {  
    filter: grayscale(80%);  
    height: 130px;  
}  
  
a {  
    transform: scale(1.1);  
}  
  
img:hover {  
    filter: grayscale(0);  
    transform: scale(1.1);  
    border-radius: 5%;  
}  
  
.navbar-brand {  
    text-decoration-color: white;  
}
```



# Snapshots

