

ACKNOWLEDGMENT

Praise is upon the Almighty Allah for giving us the strength, health, and facility to complete this assignment in time.

Firstly, I would like to express my sincere gratitude to Sir Mohamad Rahimi bin Mohamad Rosman for his kind encouragement and guidance because without his proper guidance I could not properly complete this task on Advanced Web Design and Content Management (IMS 607).

He taught me all of the correct ways in completing this assignment. Other than that, I would like to thank my parents for their support in completing this assignment. Without their moral and financial support, perhaps I would not have been able to do it.

Finally, this task could not be done on time if it wasn't because of my class members and also friends motivated. I really appreciate their help in encouraging me and help me to complete this assignment in good ways.

Abstract

Art and design Industry is one of the profitable markets in Malaysia and the world, many people sold and buy the artwork with the expensive price. Most of the artists exhibit their artwork at the gallery or other places. However, there are some limitations to making it. E- Exhibition Gallery System will help and solve the problem that faced by the person who wants to exhibit their artwork regarding the problems in searching the place for exhibitions, rent that a bit expensive and choosing the appropriate date. Besides that, lack of showcase platform, promotions and sell their artwork to the people, especially by solo artists also become a problem that need to overcome. Other than that, Gallery exhibition space usually quite uncomfortable, as there is insufficient space to showcase their artwork. Therefore, the objective of this system, act as a platform to make online exhibition gallery system for artists, and customer to view the artwork with more better. By having this system, it will be more convenient for the artists who want to exhibit their artwork while a customer who wants to purchase artwork as it is more systematic and easy to access. This system is unique as they can provide expert evaluation about the artwork. This system will be ready to be commercialized to Artists, Arts and Design persons and Culture Association. The advancement of the system will give a positive impact to the artists in order to exhibit their artwork and the arts industry will be more acknowledged by a netizen



Figure 1: Logo Of E-Exhibition Gallery System

1.0 Overview of the Project

Today art doesn't only exist in the real world, but also in the virtual one. Consequently exhibitions also move from galleries to virtual spaces. We explain how online exhibitions work and how you may create your own. Now we live, work and eat on the internet. It is where we can easily reach a global networked community and a place for artists to embed works in the ever-changing context of streaming images and open data sources. An online exhibitions, also referred to as a virtual exhibition, online gallery or cyber-exhibition has many benefits, it saves money, can attract a high amount of visitors, and redefines our conceptions of exhibiting art.

Art and design Industry is one of the profitable markets in Malaysia and the world, many people sold and buy the artwork with the expensive price. E-Exhibition Gallery System (EEGS) is a system that displays artworks. EEGS was develop based an open source programming PHP, HTML5, JQuery and CSS. Usually the online gallery is run as a business with the purpose of displaying the artwork being to promote it to potential buyers. EEGS is system that develops to transform the manual exhibition artwork into an online systematic process. It also allows artist to exhibits and sell their artworks, buyers to see and purchase artwork. This system also include for the expertise to evaluate and give the comment for each artwork that have display in this system.

The purchase is just a click away, you don't have to go to some old process and buy from selected stuff. This system will provide you with a wide range of choices. An artist can host their own gallery or exhibits their own artwork. This approach is usually adopted with a view to increasing the percentage of the sale price the artist themselves receive. The systems are elegant,

flexible and easy to use solution to manage your art business and increased adoption of industry revolution 4.0 and improvement in web programming techniques opens up the opportunity for improved display of art online. The viewer may be offered the option of zooming such that the texture or pigmentation may be examined

This era, most of the artists exhibit their artwork at the gallery or other places. However, there are some limitations to making it. E- Exhibition Gallery System will help and solve the problem that faced by the person who wants to exhibit their artwork regarding the problems in searching the place for exhibitions, rent that a bit expensive and choosing the appropriate date. Besides that, lack of showcase platform, promotions and sell their artwork to the people, especially by solo artists also become a problem that need to overcome. Other than that, Gallery exhibition space usually quite uncomfortable, as there is insufficient space to showcase their artwork.

Therefore, this system, act as a platform to make online exhibition gallery system for artists, and customer to view the artwork with more better. By having this system, it will be more convenient for the artists who want to exhibit their artwork while a customer who wants to purchase artwork as it is more systematic and easy to access. This system is unique as they can provide expert evaluation about the artwork. This system will be ready to be commercialized to Artists, Arts and Design persons and Culture Association. The advancement of the system will give a positive impact to the artists in order to exhibit their artwork and the arts industry will be more acknowledged by a netizen.

Last but not least, the system able to change the typical mindset of the community towards the local arts industry so that it will be judged fairly among with the other creative arts industries. Furthermore, E-Exhibition Gallery System (EEGS) also designed with some function to the target users that is user-friendly, which the customers can just simply use the system without having guidelines or manual in order to use it. For instance, the target users particularly artists and people can log into the system, exhibit their artwork in online system, views list of the artwork, select the art, view the price, and proceed to the payment. Same goes for the administrators and for the artists itself, E- Exhibition Gallery System (EEGS) provides a complete function and user-friendly which is easy for all the types of users to use the system.

1.1 Problem Statement

In order to get some necessary information regarding the problems about the exhibition gallery of artwork, an interview with some of the art and design students was conducted and personal observation was made. Other than that, the data also got from the research by internet and newspaper.

Lack of awareness among the society about the local art industry

- As there is no proper medium to exhibition the artwork, it is hard for the artists to fully engage with the people and give awareness about the art industry especially art painting industry. Hence, the problem includes the lack of promotion for sharing information and show about artwork. It means the promotion about the art exhibition not yet comprehensive among the people and need a variety platform or medium in order to create awareness among the society about the art industry and the value of art itself.

Problem in searching place for exhibition, condition of place and choosing the date

- One of the problem that faced by the person who want to exhibit their artwork regarding the problems in searching the place for exhibitions, a rent that a bit expensive and choosing the appropriate date. In order to make the exhibition they need a suitable gallery or place to show their artwork so it gives the problem to make the exhibition is the place that have is limited or a rent to make the exhibition a bit expensive.
- Usually, the rent for exhibition is a quite expensive and give the barrier to the organized of artist in order to exhibits their artwork. Besides that, gallery exhibition space usually quite uncomfortable, as there is insufficient space to showcase their artwork. Next, the problem is to find the suitable day which available with our date become of the things that give the problems.

Lack of platform for display, sell, purchases the artwork and sharing the information about art

- It means that, the art industry is lack of platform or medium to sell and buy the artwork. So by having the E-Exhibition Gallery Systems it can help the artists become more

engaged with the potential customers. This system can functional for the artist to sell their artwork and customer can purchased and find their artwork that they fall in love with more systematic and easy to access.

- As there is no proper system provides for the artwork with user friendly, thus it is hard for the artist especially the beginner artist or art and design students to fully engage with their potential customers purchase their artwork. It also give the limitation for artists to share information and commercialize their artwork for the customers. In short, with an existence of EEGS, it can be a tool for display the artwork, selling and buy the artwork. This system also sharing information as the artists can provide information about their profile, expertise can evaluate and comment the artwork by artists and artist also can commercialize their artwork as well as it can creating the transparent environment between the EEGS with the customers.

2.0 Develop Profile (CV)



ABOUT ME

RIZQAN 22 years old, single.

Multi-disciplinary system developer with highly motivated and willing to commit full task at hand. An energetic, yet motivated team player pursuing careers in IT industry.

NRIC : 961224-03-6049

CONTACT ME

 Lot Pt 10, Kg Pangkal Kala, Bunut Susu, 17020, Pasir Mas, Kelantan

 011-26050674

 rizqan.minutes@gmail.com

PROFESSIONAL SKILLS

Microsoft Office (Words, Power point, Excel, Access and others)

Adobe Photoshop, Illustrator, In-design, Dreamweaver, Movie Maker

Html, PHP, JQuery, Matlab, SPSS, C++, Pc Hardware, Flash animation, MYSQL

LANGUAGES

Malay ●●●●●

English ●●●●●

Mandarin ●●●●●

RIZQAN BIN SAARI

EDUCATION

2017-PRESENT
(CURRENT STATUS) BACHELOR OF INFORMATION SCIENCE (HONS) INFORMATION SYSTEM MANAGEMENT
 At Universiti Teknologi MARA (UiTM) Kelantan, Machang
 CGPA: 3.63 Latest Semester (GPA): 3.53

2014-2017
DIPLOMA IN INFORMATION MANAGEMENT
 At Universiti Teknologi MARA (UiTM) Kelantan, Machang
 CGPA: 3.61 Latest Semester (GPA): 3.89
 MUET: Band3

2013
SIJIL PELAJARAN MALAYSIA (SPM)
 At SMK Kota Bharu (SMKKB), Kelantan
 SPM : Achieved 5A, 1B, 2D

WORK EXPERIENCE

(2013)
DIMENSION SDN.BHD
 Web Developer

(2015)
DELL COMPANY PENANG
 Programmer

(2017)
SYSTEM ANALYSIS

PERSONAL SKILLS

Filing Records, Leadership Skills, Classification Skills
(Advanced)

Communication Skills, Problem Solving Skills, Information seeking
(Advanced)

Teamwork Skills, Public Speaking, analytical, fast learner
(Advanced)

3.0 Objective of the Project

E-Exhibition Gallery System (EEGS) are developed in order to cope with the issues and problems mentioned above as well as to achieve this following objective:

- Act as a platform to make online exhibition gallery system which function to display artwork, search the artwork, purchase the artwork, view the list of artist and see the expertise comment.
- To give convenient for the artists who want to exhibit their artwork while a customer who wants to purchase artwork as it is more systematic and easy to access with user friendly system.
- To reduce the problems happen in physical exhibition and to increase the awareness among society about the art industry in our country.
- To reach a global networked community and a place for artists to embed works in the ever-changing context of streaming images and open data sources

4.0 Project Scope

E-Exhibition Gallery System (EEGS) can be used by four different types of users which are the artists, customers, the expertise and also for the administrator. EEGS is developed in online method and open sources web so the process can be done more systematic and efficient. In addition, EEGS also included so many good requirements and multiple functions suit for specific purposes.

This system will cover the exhibition artwork in online method. E-Exhibition Gallery System (EEGS) also will design with some function to the target users that is user-friendly, which the customers can just simply use the system without having guidelines or manual in order to use it. For instance, the target users particularly artists and people can log into the system, exhibit their artwork in online system, views list of the artwork, select the art, view the price, and proceed to the payment. Same goes for the administrators and for the artists itself, E- Exhibition Gallery System (EEGS) provides a complete function and user-friendly which is easy for all the types of users to use the system.

Artist Login

- Artist Login is the login for the artist who wants to exhibit their artwork in EEGS. They need to register and log in first before can proceed to the function of artist.

Expertise Login

- Expertise Login is for the Artwork Expert to evaluate or give the comment of artwork that display and sell by artist. Expertise need to registers and log in first before can proceed to comment or evaluate the artwork.

Admin Login

- Admin login was used by the administrator and the function is for the view all list of artwork, list of artist and also can delete the artwork by artist.

Artist List

- In this system, it also will be appear the all list of artist that used and exhibit their artwork in EEGS. The users can view the artist profile and know their background, education and experience at the Artist List.

Add New Artwork

- This function is used by artist in order to add their artwork into the system for the display and sell to potential customer.

Update Artist Profile

- This section is function for the artist to update their profile, personal information and their experience.

My Cart

- My cart is functional for the users to purchase the artwork from EEGS.

Add/Edit/Update/Delete menu

- EEGS also include the menu function. As for the artist, they can add a new artwork, edit, and also delete. However, the customers can just view artwork provided for the artists and make the purchase on which to order. They do not allow to makes any changes to the menu.

Evaluate or Comment from Expertise

- In this system, the expertise also can comment or evaluate the artwork that display or exhibit by artists. As for this function, it requires the expertise to log in first and click the evaluated or give comment to the artwork.

Payment Transaction

The other function also included the payment transaction. After the customer view artwork and add the cart, the system will go to the form of purchase and automatically total the amount of the

payment then it will be automatically link to the payment transaction. After that, it requires the customers to fill up all of their details such as their credit card/debit card number.

4.0 Milestones and Gantt Chart

2018														
	September				October				November				December	
Week / Activities	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Planning														
Initial assessment	█													
Feasibility assessment		█												
Analysis														
User requirement			█											
Existing evaluation			█											
Logical system design				█										
Design														
Detail system specification					█									
Implementation														
Coding, testing, debugging						█	█	█	█					
Installation						█	█	█	█					
Fine tuning						█	█	█	█					
Maintenance														
Evaluation										█				
Maintenance											█	█	█	█
Enhancement												█	█	█

5.0 Estimate Budget

In order to develop E-Exhibition Gallery System (EEGS), careful considerations should be put into the budget and cost required for finishing the project. The estimated budget and cost is really important to ensure all of the matters related to the costs and budget is well planned. It is really important to ensure that EEGS can be developed without pressuring about the costs. Thus, as for EEGS, it did not require a high budget and costs as the costs can be cut because of the availability of the free version of some software on the internet. For instance, the software used for EEGS included WAMP and Sublime. Thus, there are no costs required because of that matters. However, there are still some of the software or even hardware that must be purchased in order to develop the EEGS as an example, Laptop Acer and Adobe version. Below are the table of the estimated budget and costs required:

No	Items	Description	Price (RM)
1	Laptop	Laptop model Acer Aspire V5	RM 1,800.00
2	Adobe Photoshop , Adobe Dreamweaver	Adobe Photoshop CS6, Dreamweaver CC	RM 50.00
3	Vegas Pro	Vegas Pro 13.0 (64 bit)	RM 125,00
4	Sublime	Sublime version 3.0	FREE
5	WAMPP Server	WAMPP Server version 5/6 64 BIT	FREE
6	Bootstrap	Bootstrap	FREE
7	Web Browser	Google, Yahoo, Firefox ,	FREE
TOTAL:			RM 1975.00

6.0 Hardware and Software

Hardware and software is important component to develop the system. Before start to develop the system, need to identify the suitable hardware and software to support this system. After do a research, have several hardware and software are suitable for this system. As we all know if choose unsuitable hardware and software the system not in good performance and can be lag.

Hardware

In develop EEGS System hardware that be use just laptop Acer Aspire v5. The reasons why using laptop Acer Aspire V5 it is because the specification this laptop is good and the price is suitable. Specification for this laptop for processor or chipset using CPU Intel Core i5 (3rd Gen) 337U/1.7 GHz, maximum turbo speed 2.6 GHz, number of cores dual-core, cache L3-3 MB, 64-bit computing, chipset type using mobile Intel HM77 express and the features is hyper-treading technology Intel smart cache and Turbo Boost Technology 2.0. Storage laptop Acer Aspire V5 for interface using serial ATA-300, optical drives have DVD±RW (±R DL)/DVD-RAM fixed, read speed 24x (CD)/ 8x (DVD), write speed 24x (CD)/ 8x (DVD)/ 6x (DVD±R DL) and rewrite speed 16x (CD) / 6x (DVD-RW) / 8x (DVD+RW) / 5x (DVD-RAM). Memory for laptop Acer Aspire V5 8GB for maximum supported size and for Ram this laptop using DDR3 SDRAM 4GB. Graphic processor using Intel HD Graphics 4000. Price for this laptop is RM 1800.



Figure 2: The Laptop that used by develop this system

Software

Have several software that been use for create this system which is Adobe Photoshop, Adobe Dreamweaver, Sublime, Vegas Pro, XAMMP server, bootstrap and web browser. All software can help the developer to make the system more effective and efficient.



Adobe Photoshop

As we all, know Adobe Photoshop is software for edit the picture. For this project the developer using this software to edit the logo, edit the background pictures, storyboard, create the context diagram, ERD and data flow diagram. With using this software, developer can easily edit all things they want it is because in this software provide many tools that can be use by developer. Price for Adobe Photoshop is RM 50.00. As a web developer Adobe Photoshop is very important software to them it is because with this software can make process for edit picture more easily and they can get the good view for the picture they edit.



Adobe Dreamweaver CC

This software program used in designing web pages, more fully featured HTML web to create and edit web pages in a user-friendly environment.

Sublime



Sublime is one of important software that needs use by developer. As we all know sublime is source code editor. Many types of programming languages and markup languages can be use in this software. The developers using this software for write the coding. With sublime the developers can easily find the error and the reasons why the developers using this software is the interface is very simple and easily to use. However, nowadays types of software like sublime such as Adobe Dreamweaver, notepad++ and others. Cost for using sublime is free.



Wamp

Wamp is used for the web development and in order to test the PHP language to successfully create the system.



Web Browser

Nowadays many web browsers can be use for run the system such as Google browser, Firefox, Yahoo and others. For EEGS the developer chooses web browser Firefox, Google and Yahoo. All browsers that use by researcher are free. With using all web browser researcher can try the system to identify the all web browser that use can support the system or not.

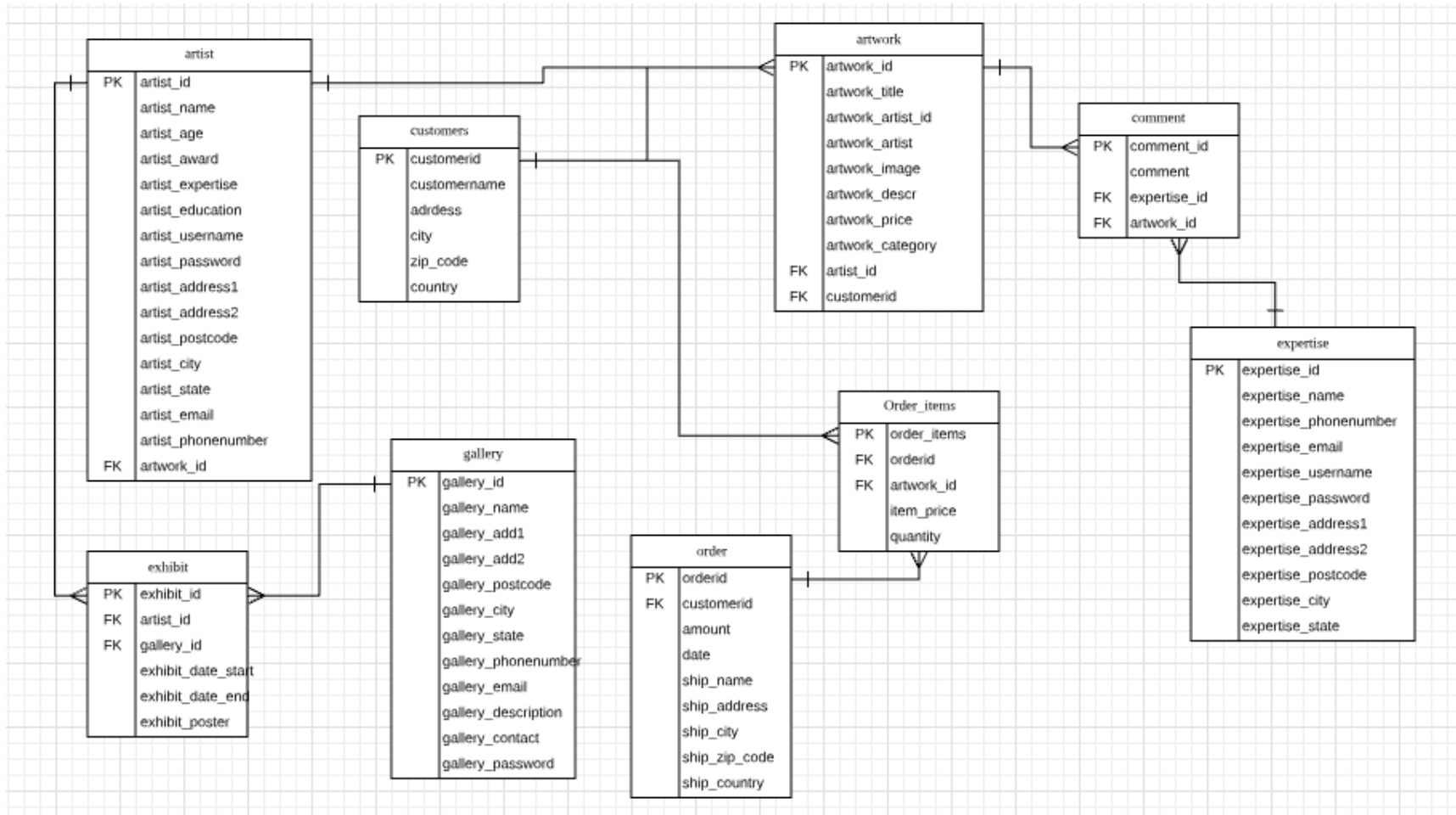


Bootstrap

Bootstrap

Bootstrap is free and open sources software that helps web developer to design the web interface with easy way. With using the bootstrap, web developer can save their time, energy, and money. As we all know, bootstrap provides many templates that can be use by user. Bootstrap also provides special and advance templates but that templates need to pay. If want to use bootstrap can go to their websites at www.startbootstrap.com.

7.0 Flowcharts/ERD diagram



7.1 Flowcharts

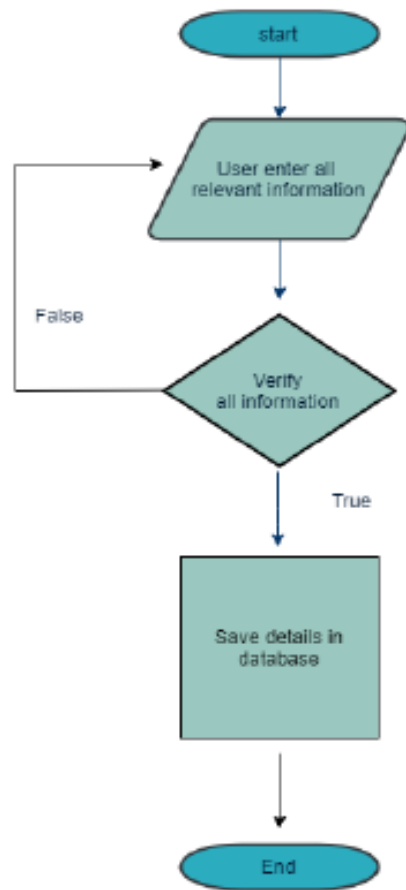


Figure 3: Flowchart of User login

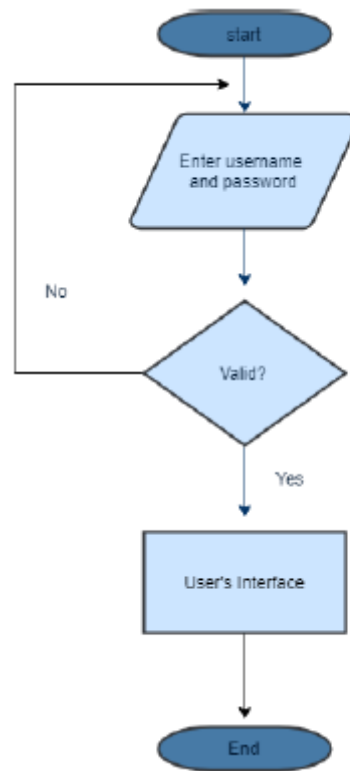


Figure 4: Log in Process

Storyboard of E-Exhibition Gallery System (EEGS)

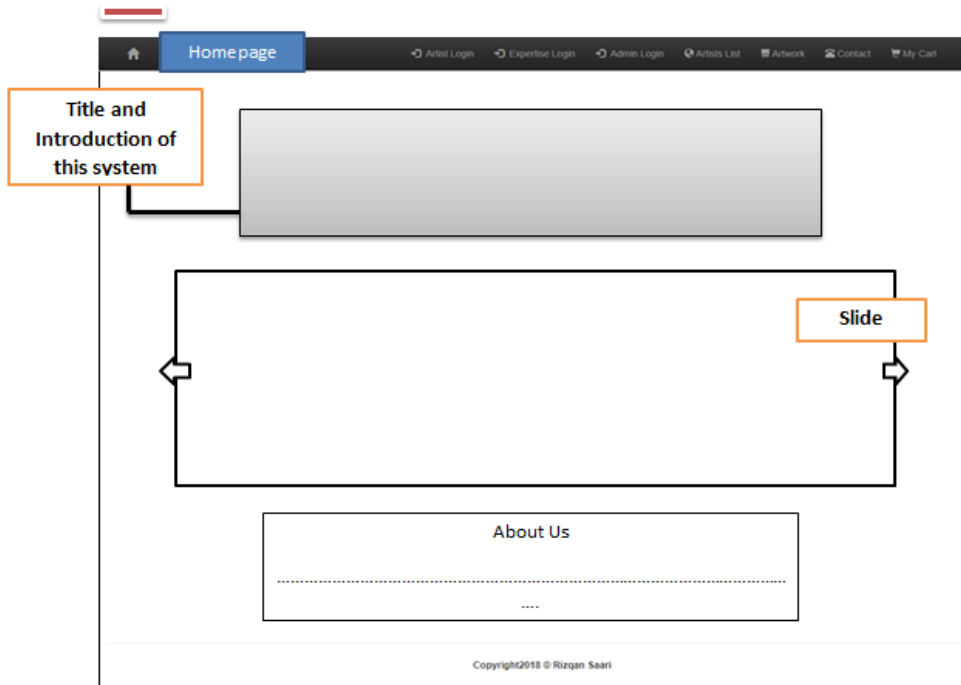


Figure 5: E-Exhibition Gallery System (EEGS)

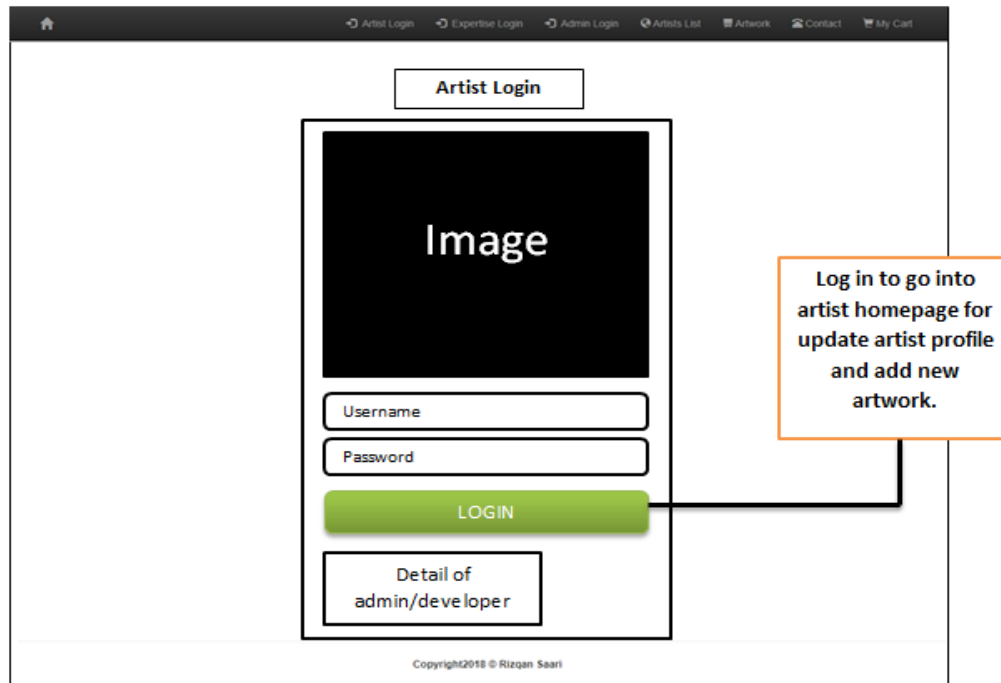


Figure 6: Artist Login Interface

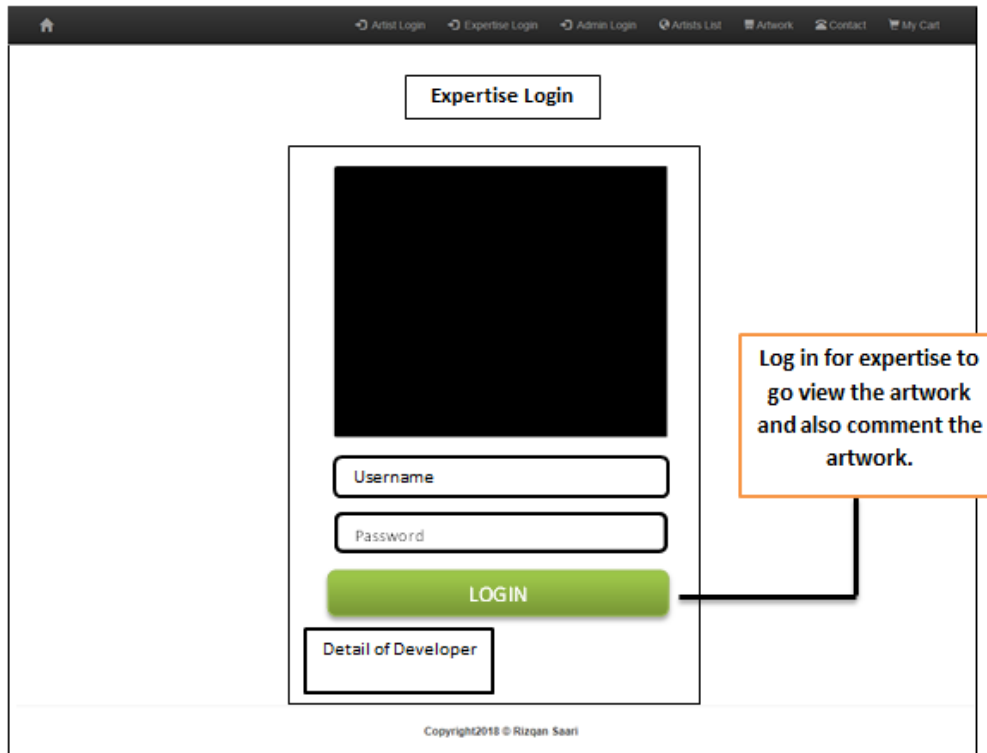


Figure 7: Expertise Login

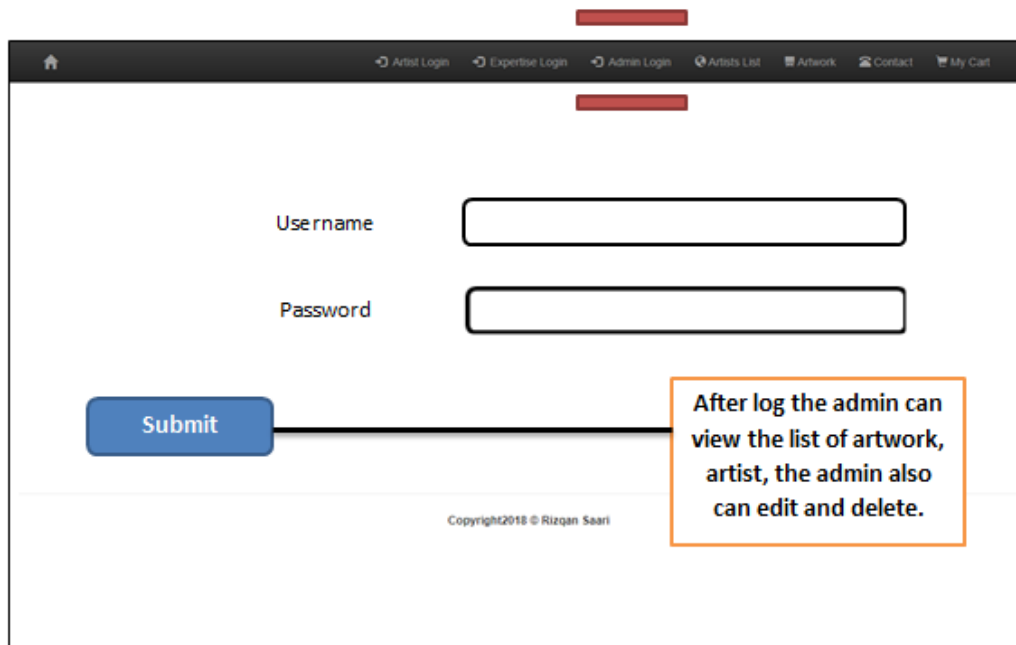


Figure 8: Admin Login

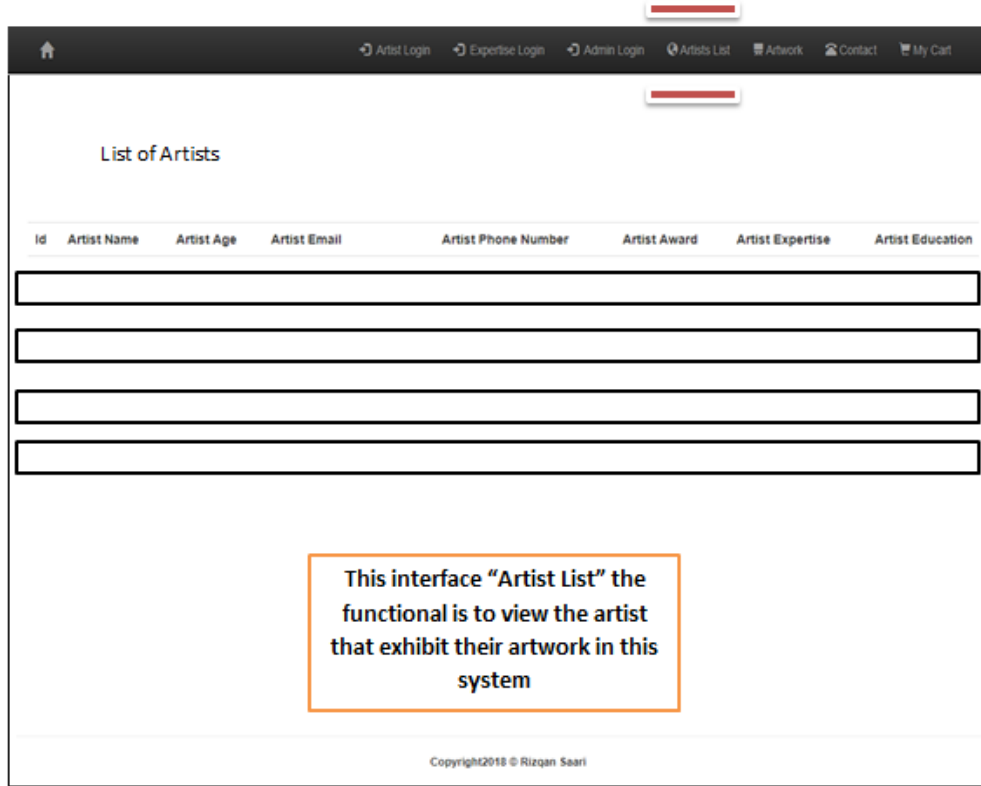


Figure 9: Artist List Interface

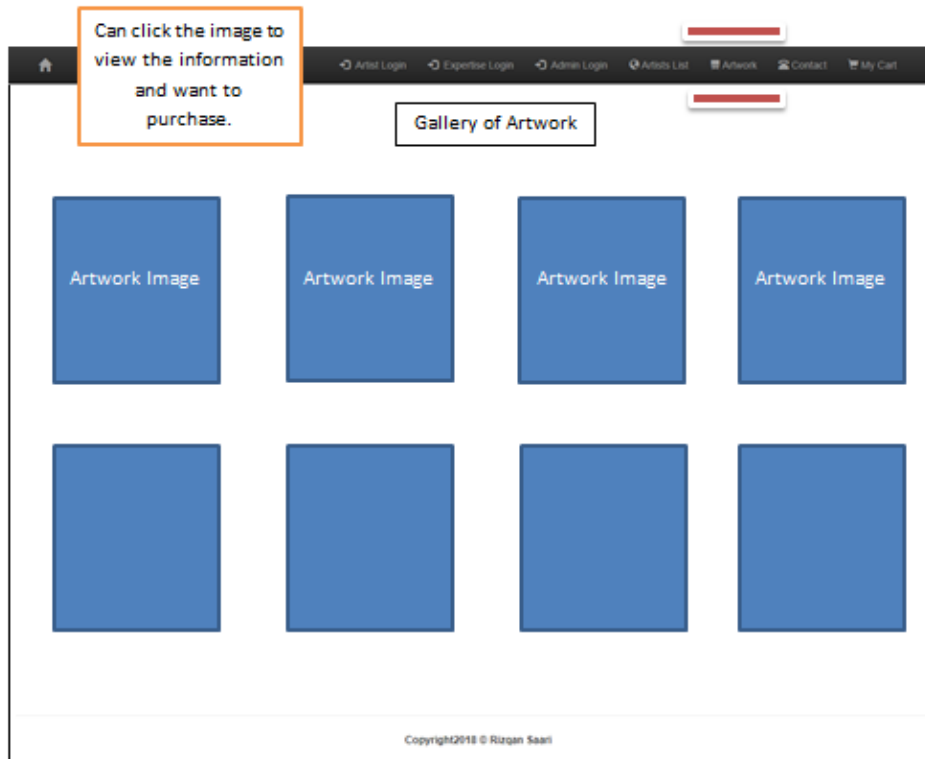


Figure 10: Interface Artwork, the gallery of artwork

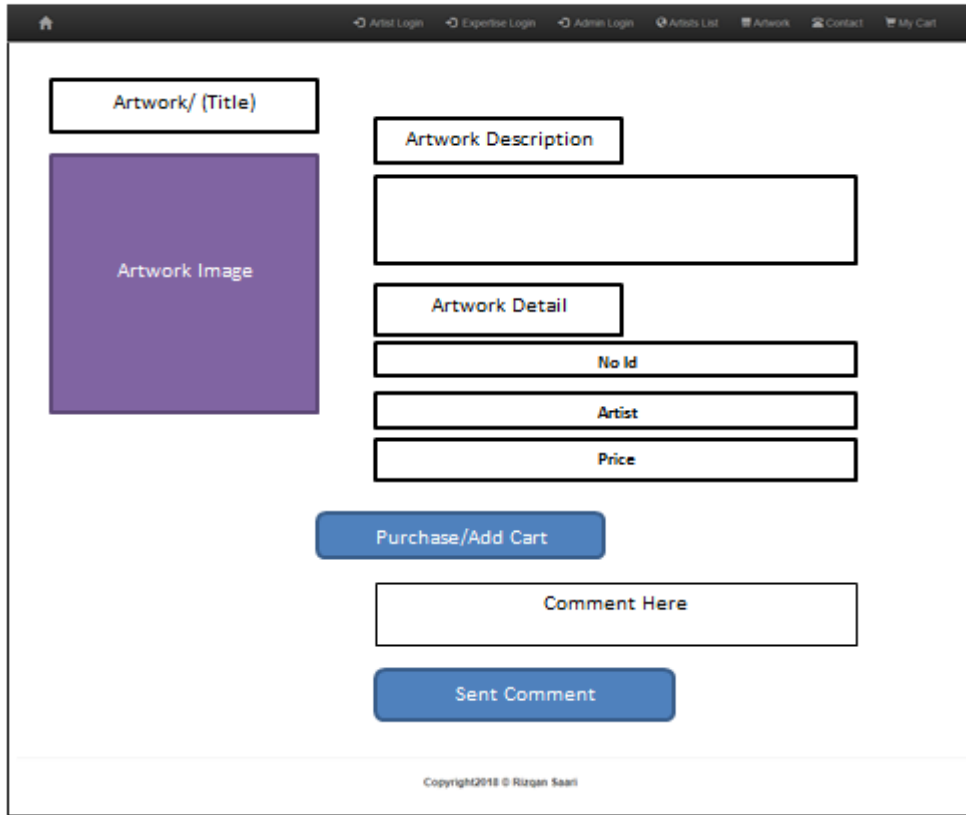


Figure 11: After click the image artwork at gallery of artwork, this page will be appear.

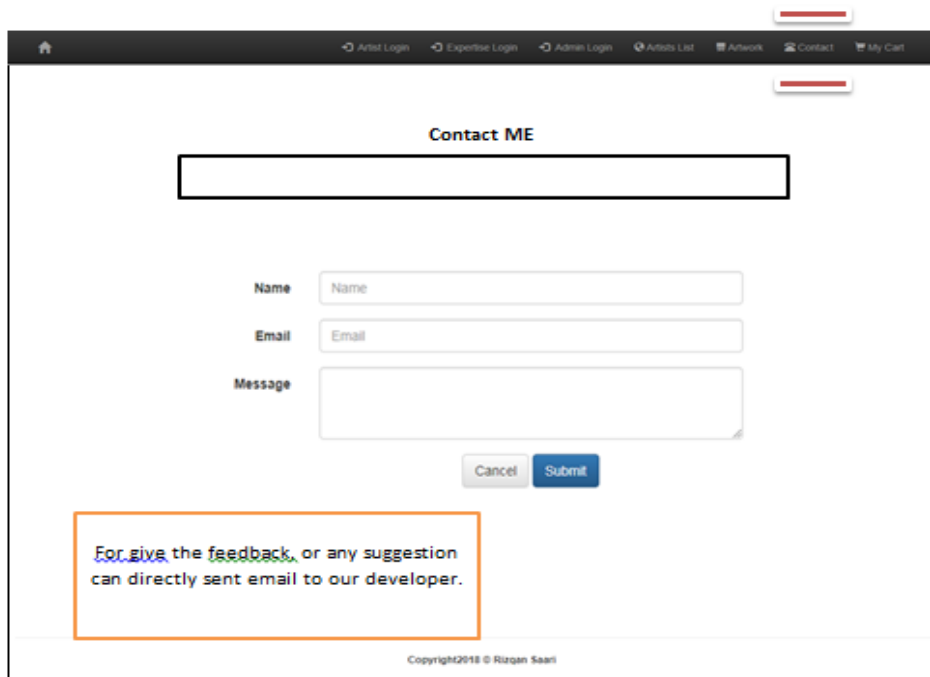


Figure 12: Contact Me Interface

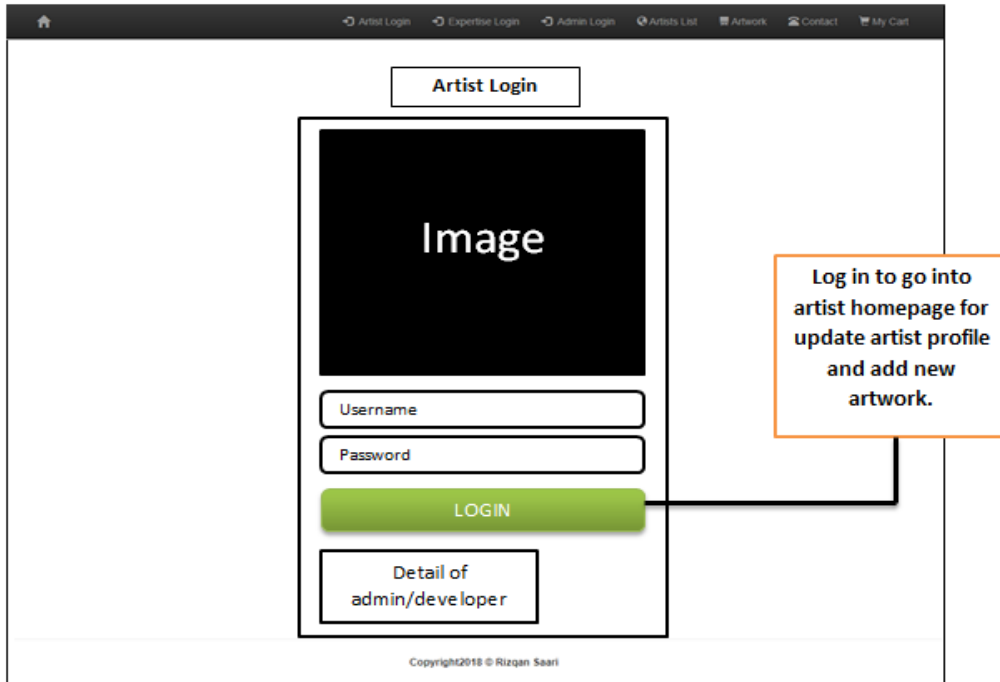


Figure 13: Artis Login



Figure 14: Artist homepage, the function is Update Artist and Add New Artwork

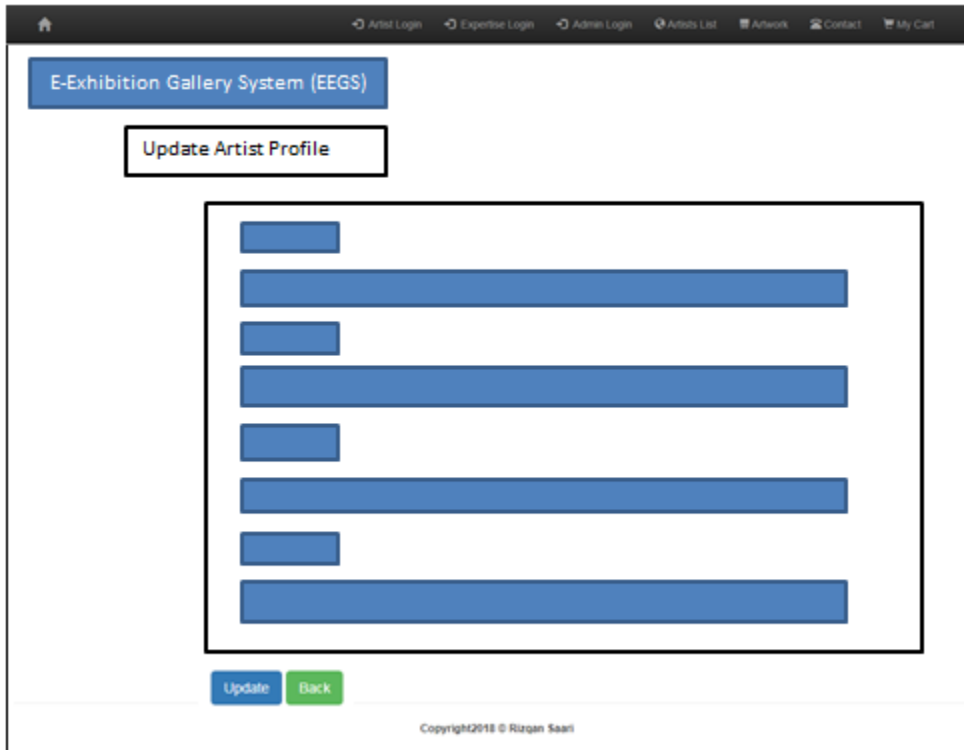


Figure 15: The page of Update Artist Profile

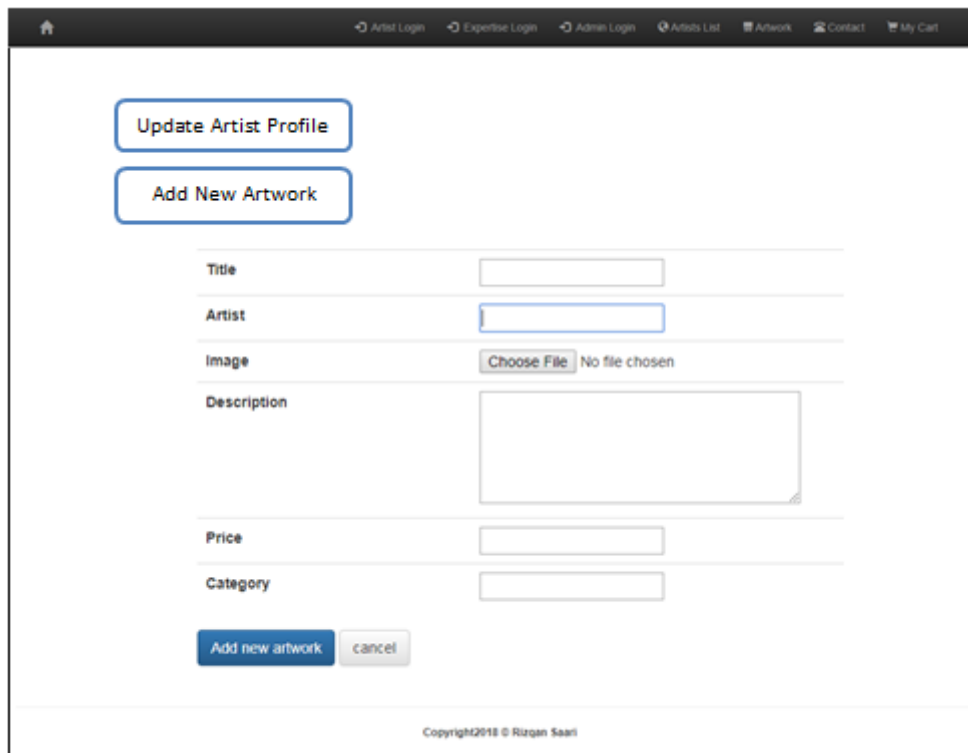


Figure 16: The page of add new artwork by artist

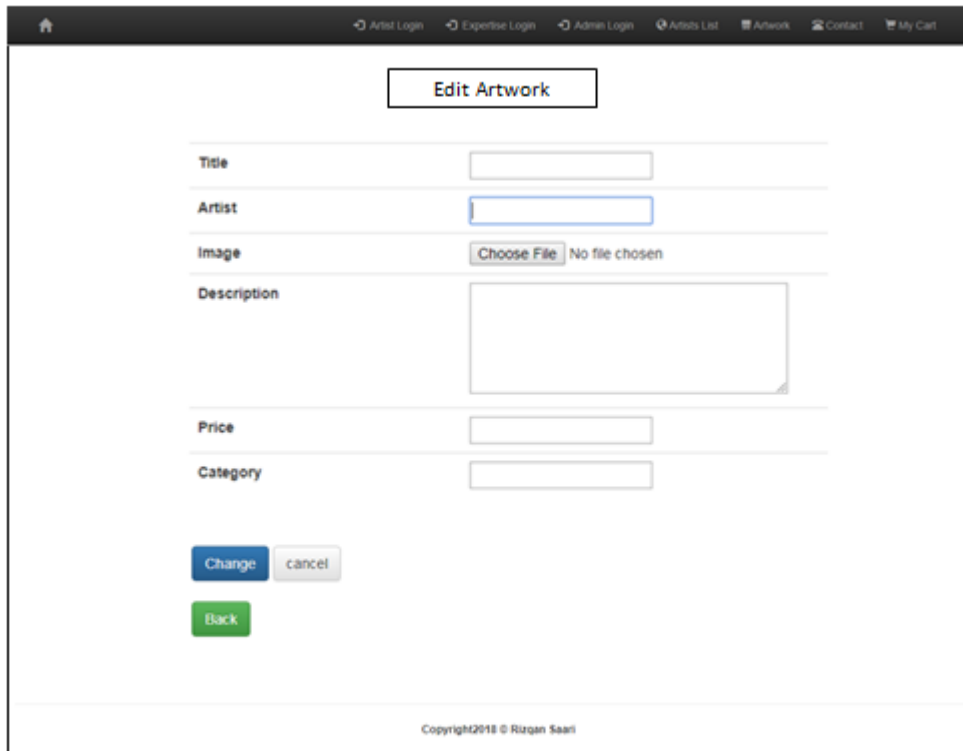


Figure 17: Function Edit artwork for artist

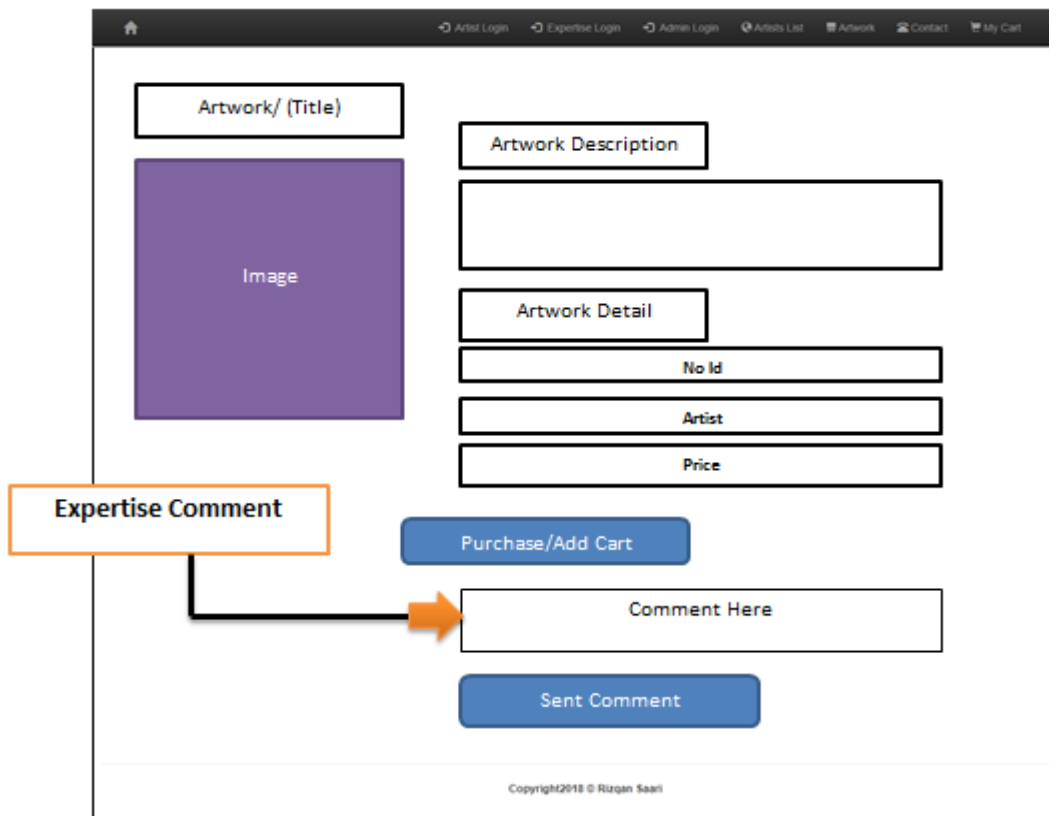


Figure 18: Box for Expertise Comment of artwork

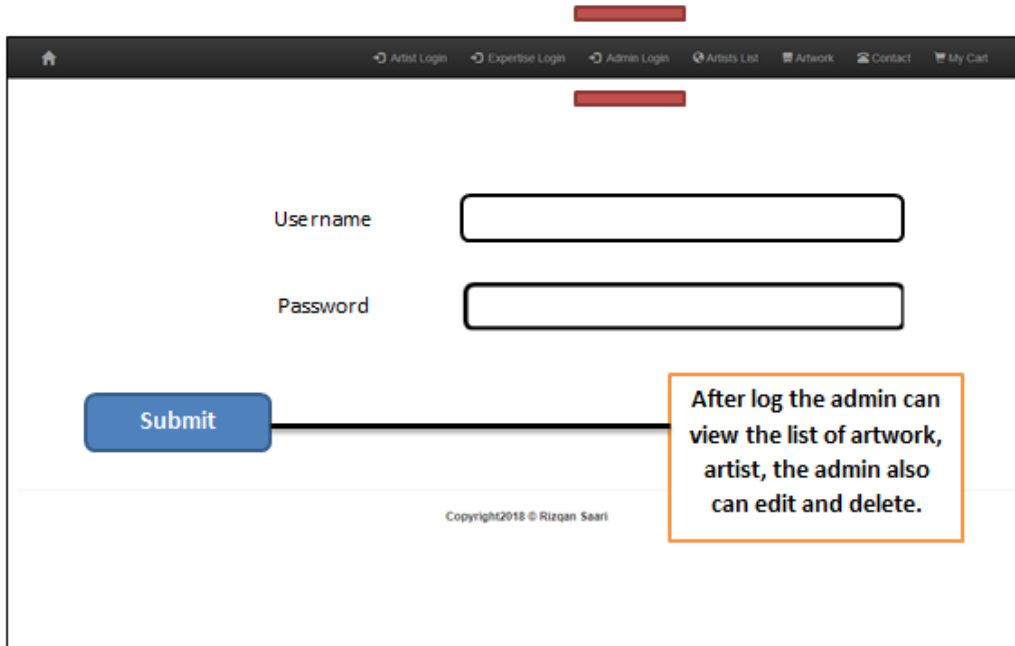


Figure 19: Admin Log in

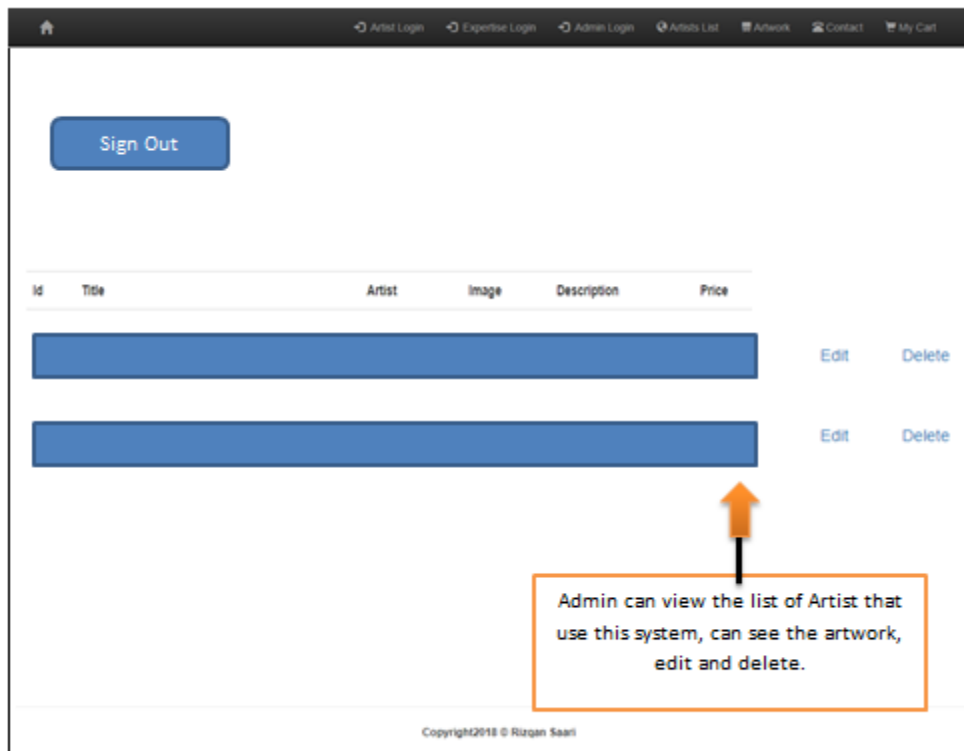


Figure 20: The admin can see, view the list of artist and artwork in this system. The admin also can edit, delete and change and also add

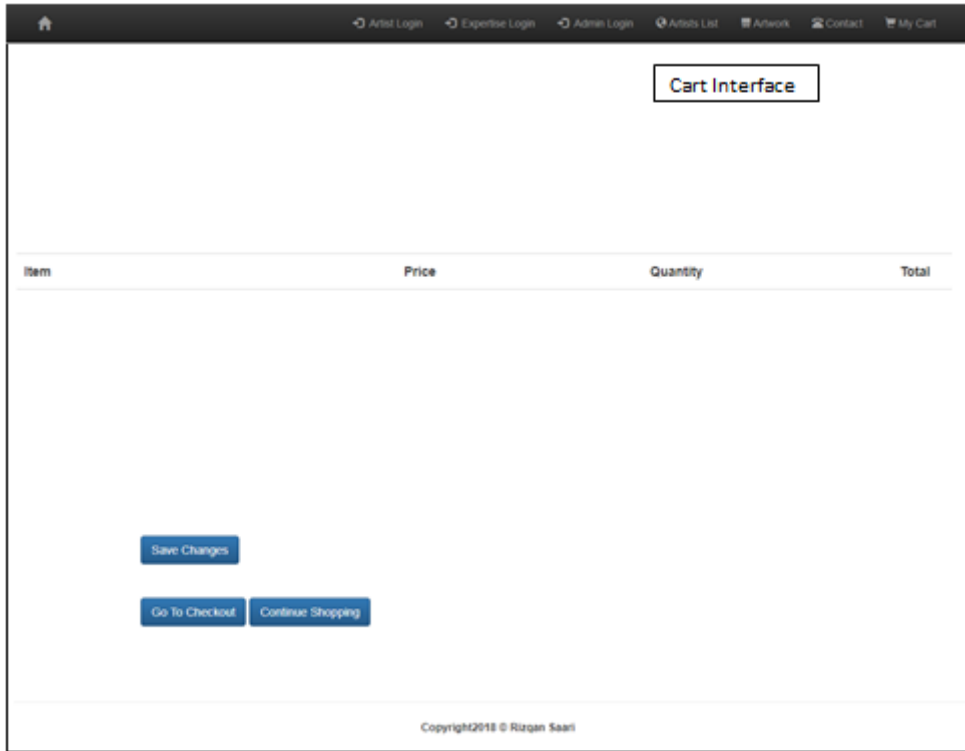


Figure 21: Cart Interface

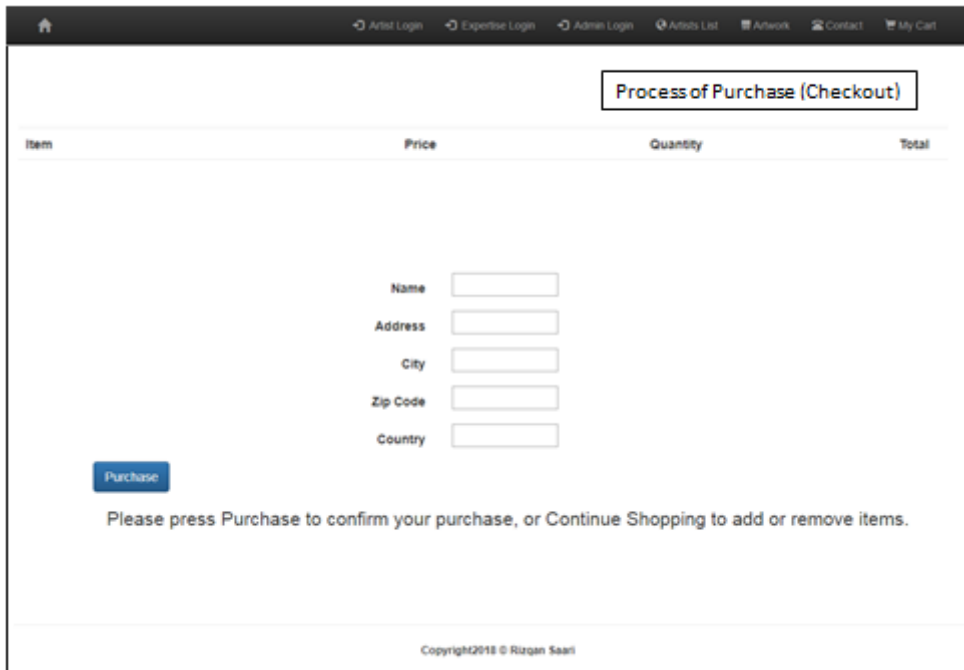


Figure 22: Process of Purchase (checkout)

Item	Price	Quantity	Total
------	-------	----------	-------

Total Shipping

Purchase Interface, the last step of purchase.

Type: VISA
Number: _____
PID: _____
Expiry Date: mm/dd/yyyy
Name: _____

Cancel Purchase

Please press Purchase to confirm your purchase, or Continue Shopping to add or remove items.

Copyright2018 © Rizqan Saari

Figure 23: Purchase Interface, the final step of purchase

Conclusions

In conclusion, Art and design Industry is one of the profitable markets in Malaysia and the world, many people sold and buy the artwork with the expensive price. E-Exhibition Gallery System (EEGS) is a system that displays artworks. EEGS was develop based an open source programming PHP, HTML5, JQuery and CSS. Usually the online gallery is run as a business with the purpose of displaying the artwork being to promote it to potential buyers. EEGS is system that develops to transform the manual exhibition artwork into an online systematic process. It also allows artist to exhibits and sell their artworks, buyers to see and purchase artwork. This system also include for the expertise to evaluate and give the comment for each artwork that have display in this system.

The purchase is just a click away, you don't have to go to some old process and buy from selected stuff. This system will provide you with a wide range of choices. An artist can host their own gallery or exhibits their own artwork. This approach is usually adopted with a view to increasing the percentage of the sale price the artist themselves receive. The systems are elegant, flexible and easy to use solution to manage your art business and increased adoption of industry revolution 4.0 and improvement in web programming techniques opens up the opportunity for improved display of art online. The viewer may be offered the option of zooming such that the texture or pigmentation may be examined

This era, most of the artists exhibit their artwork at the gallery or other places. However, there are some limitations to making it. E- Exhibition Gallery System will help and solve the problem that faced by the person who wants to exhibit their artwork regarding the problems in searching the place for exhibitions, rent that a bit expensive and choosing the appropriate date. Besides that, lack of showcase platform, promotions and sell their artwork to the people, especially by solo artists also become a problem that need to overcome. Other than that, Gallery exhibition space usually quite uncomfortable, as there is insufficient space to showcase their artwork.

Therefore, this system, act as a platform to make online exhibition gallery system for artists, and customer to view the artwork with more better. By having this system, it will be more convenient for the artists who want to exhibit their artwork while a customer who wants to purchase artwork as it is more systematic and easy to access. This system is unique as they can

provide expert evaluation about the artwork. This system will be ready to be commercialized to Artists, Arts and Design persons and Culture Association. The advancement of the system will give a positive impact to the artists in order to exhibit their artwork and the arts industry will be more acknowledged by a netizen.

Last but not least, the system able to change the typical mindset of the community towards the local arts industry so that it will be judged fairly among with the other creative arts industries. Furthermore, E-Exhibition Gallery System (EEGS) also designed with some function to the target users that is user-friendly, which the customers can just simply use the system without having guidelines or manual in order to use it. For instance, the target users particularly artists and people can log into the system, exhibit their artwork in online system, views list of the artwork, select the art, view the price, and proceed to the payment. Same goes for the administrators and for the artists itself, E- Exhibition Gallery System (EEGS) provides a complete function and user-friendly which is easy for all the types of users to use the system.