



Design and Implementation of Zoo Market Website

ZooMarket 웹 사이트 설계 및 구현

저자 (Authors)	Biloluddinhuja Abdullaev, Geun-ho Ok, Seoung-Pyo Hong, Hoon-Jae Lee, YoungSil Lee
출처 (Source)	한국정보통신학회 여성 ICT 학술대회 논문집 , 2021.8, 108-109 (2 pages)
발행처 (Publisher)	한국정보통신학회 The Korea Institute of Information and Communication Engineering
URL	http://www.dbpia.co.kr/journal/articleDetail?nodeId=NODE10608715
APA Style	Biloluddinhuja Abdullaev, Geun-ho Ok, Seoung-Pyo Hong, Hoon-Jae Lee, YoungSil Lee (2021). Design and Implementation of Zoo Market Website. 한국정보통신학회 여성 ICT 학술대회 논문집, 108-109.
이용정보 (Accessed)	동서대학교 203.241.***.11 2021/11/23 12:19 (KST)

저작권 안내

DBpia에서 제공되는 모든 저작물의 저작권은 원저작자에게 있으며, 누리미디어는 각 저작물의 내용을 보증하거나 책임을 지지 않습니다. 그리고 DBpia에서 제공되는 저작물은 DBpia와 구독계약을 체결한 기관소속 이용자 혹은 해당 저작물의 개별 구매자가 비영리적으로만 이용할 수 있습니다. 그러므로 이에 위반하여 DBpia에서 제공되는 저작물을 복제, 전송 등의 방법으로 무단 이용하는 경우 관련 법령에 따라 민, 형사상의 책임을 질 수 있습니다.

Copyright Information

Copyright of all literary works provided by DBpia belongs to the copyright holder(s) and Nurimedia does not guarantee contents of the literary work or assume responsibility for the same. In addition, the literary works provided by DBpia may only be used by the users affiliated to the institutions which executed a subscription agreement with DBpia or the individual purchasers of the literary work(s) for non-commercial purposes. Therefore, any person who illegally uses the literary works provided by DBpia by means of reproduction or transmission shall assume civil and criminal responsibility according to applicable laws and regulations.

ZooMarket 웹 사이트 설계 및 구현

Biloluddinhuja Abdullaev · 옥근호 · 홍승표 · 이훈재 · 이영실*

동서대학교

Design and Implementation of Zoo Market Website

Biloluddinhuja Abdullaev · Geun-ho Ok · Seoung-Pyo Hong · Hoon-Jae Lee · YoungSil Lee*

Dongseo University

E-mail : mr.bilolhuja.abdullaev@gmail.com / artists2@naver.com / debiii@naver.com /

hjlee@dongseo.ac.kr / lys0113@dongseo.ac.kr

ABSTRACT

Currently, many online web markets do not offer or very limited sales of various animals. This is because, in many countries, it is banned to use animals in an abhorrent and cruel way in illegal animal sports (e.g., dogfighting competitions) or as experimental tools to test diseases or drugs. And for them, online markets can be used as an easy means to save animals. In this paper, design and implemented an online website for selling and buying animals. To prevent the aforementioned problem, we including two special procedures. Another special service of this website is Petcare that users can find people who treat their pets temporarily while they are on a trip or when they have to go somewhere without their pet.

키워드

Website, Animal, Pet, Animal Protection Act

I. Introduction

Many websites sell a wide variety of products for animals but few are specialized in selling pets. This is because online markets can be used as an easy means to save animals.

Unlike in the past, in many countries, it is banned to use animals in an abhorrent and cruel way in illegal animal sports (e. g. , dogfighting competitions) or as experimental tools to test diseases or drugs. For example, in South Korea, according to articles 36 (2) and (3) of the Animal Protection Act, if a commercial third party (animal vendor) sells registered animals, it is mandatory to apply for animal registration in the name of the purchaser and sell them [1]. Also in the UK, microchipping became mandatory for dogs in 2015, and modernized their licensing system for a range of activities such as dog breeding and pet sales, have protected service animals via ‘Finn’s Law’ and banned commercial third-party sales of puppies and kittens (‘Lucy’s Law’)[2].

In this paper, design and implemented an online website for selling and buying animals used PHP, HTML, CSS, Javascript, phpMyAdmin, and more. Under the aforementioned Animal Protection Act, we included two special procedures Also, along with the

purchase of animal-related products such as food, equipment and etc. , a service to connect with a pet sitter.

II. Method

Figure 1 below illustrates the database of the implemented website by the ER diagram. Basically, the Customer table store the information about the user (first name, last name, email, etc.). In addition, if the user wishes to register as a seller, they must undergo a procedure to register and verify the certificate issued by the government (or the agency in charge). A Petcare table stores information about people registered as pet sitters. It is basically similar to a user table and allows them to register certificates (or licenses) considering services in the professional field. Also, there are 6 more tables such as a cart, orders, products, so on.

* corresponding author

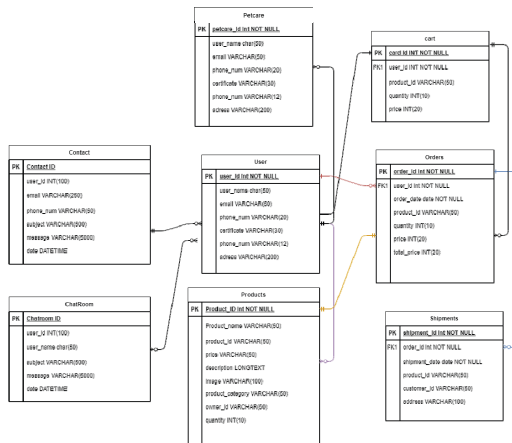


Fig. 1 ER diagram of the website

Figure 2 shows the main page of the Zoo market website. There are five main menus: Petcare service, seller contact, user account management, login/logout on the top, simplifying the menus to make it easier for those of us who aren't computer geniuses. And the registration page is shown in figure 3 below.

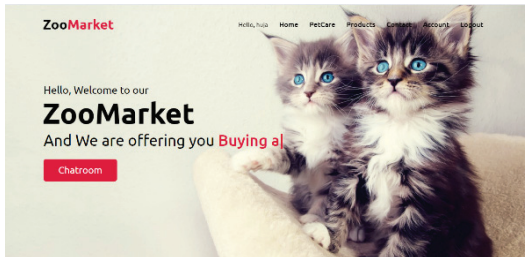


Fig. 2 the main page of the website

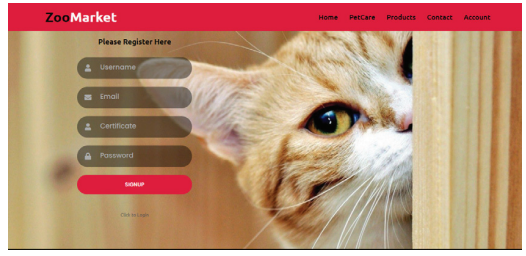


Fig. 3 Registration page of the website

Punishment for pet-related misconduct is intensifying, but animal abuse continues, and the number of lost and abandoned animals is increasing. To prevent this, as one of the special services discussed earlier, users can easily access Chat rooms from the main page. When a user buys a pet through this website, it will be monitored for a period of time. This is to prevent and minimize damage such as indiscriminate purchase, abuse, and abandonment by people who have no

knowledge of pets and cannot afford to raise them. Another special service of this website is Petcare that users can find people who treat their pets temporarily while they are on a trip or when they have to go somewhere without their pet. Also, users can easily buy animal-related products such as food, equipment, etc.

III. Conclusion

In this paper, design and implemented an online website for selling and buying animals as well as animal-related products. The main purpose of this website is for the people who love the animals to buy or sell their animals on the website while keeping the Animal Protection Act. And, ultimately, to prevent and minimize damage such as indiscriminate purchase, abuse, and abandonment by people who have no knowledge of pets and cannot afford to raise them.

Acknowledgement

본 논문은 2021년 과학기술정보통신부 및 정보통신기획평가원의 SW중심대학사업의 연구결과로 수행되었음(2019-0-01817).

References

- [1] Animal Protection Management System. [Internet] Available : <https://www.animal.go.kr/front/index.do>
- [2] Department for Environment Food & Rural Affairs, Action Plan for Animal Welfare, 12 May 2021, [Internet]. Available : <https://www.gov.uk/government/publications/action-plan-for-animal-welfare/action-plan-for-animal-welfare>