

## WEB-BASED ARTS SERVICE BOOKING APPLICATION SYSTEM

Metha Tasyakuran Andini<sup>1</sup>, Felix Ciawi<sup>2</sup>, Wasino<sup>3</sup> & Jap Tji Beng<sup>4\*</sup>

<sup>1</sup>Faculty of Information Technology, Universitas Tarumanagara, Jakarta, Indonesia  
Email: metha.825200044@stu.untar.ac.id

<sup>2</sup>Faculty of Information Technology, Universitas Tarumanagara, Jakarta, Indonesia  
Email: felix.825200088@stu.untar.ac.id

<sup>3</sup>Faculty of Information Technology, Universitas Tarumanagara, Jakarta, Indonesia  
Email: wasino@fti.untar.ac.id

<sup>4</sup>Faculty of Information Technology, Universitas Tarumanagara, Jakarta, Indonesia  
Email: t.jap@untar.ac.id\*

\*Corresponding Author: t.jap@untar.ac.id

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### ABSTRACT

*Sanggar is a place used by a group of people to conduct activities, one of which is dance and music. In comparison, the studio is also one of the media facilities for those who need performance or entertainment services. The website-based arts service booking application system is to provide convenience for customers in obtaining information and booking arts or entertainment services. This website is also useful for minimizing service providers in responding late, so that customers do not have to wait long regarding the reservations made. The design of database method used in this research is SDLC (Software Development Life Cycle) Waterfall. The results of this system show that the website-based art service booking system is easy to use. It can be concluded that the creation of this website makes the process of ordering art services easy for service providers and customers.*

**Keywords:** Art Services, Booking, SDLC Waterfall, Website

## 1. PREFACE

### Introduction

Website applications are information pages that can be accessed through a browser using an internet connection. Web applications contain multimedia documents, namely text, images, sound, and video [1]. Using a website makes it easy to find out information such as information about art. Indonesia is a country that has many arts and cultures, ranging from dance, songs, and other forms of performing arts [2]. In general, many art activities are found in a sanggar. Along with its development, sanggar is not only a place to learn art, but many of the sanggar also offer art and entertainment services [3]. Many studios provide services in a conventional manner, namely by coming directly to the place or chatting through social media, leading to this service becoming less effective and efficient which results in delays in responding and losing potential customers [4].

One concept for economic development in Indonesia is the creative economy. Where the ideas and talents of the Indonesian people can be developed to innovate and create new things. In order to survive in the future and continue to grow, a creative mindset is needed [5]. Therefore, the development of an art studio cannot be separated from the knowledge and skills of the studio manager in order to survive amid competition in the creative industry that refers to the creative

economy [6]. Creating a website for booking art services or art performances is one of the media to support and implement creative economic activities.

## 2. RESEARCH METHOD

### Data Collecting Method

The method used in collecting the necessary data is by conducting observations and interviews. The observation method is used to find out the ordering process that occurs. The interview method was conducted by asking and discussing with service providers to find problems [7]. Interviews and observations on this website design were conducted at the art studio.

### System Development Method

This application is made using the Waterfall method which is a development of the System Development Life Cycle (SDLC). All activities at each stage of software development are described in SDLC [8]. The Waterfall method is the simplest and most classic system development method in building software because it has a systematic and sequential nature. This model is also called the "Linear Sequential Model" [9]. Every stage that makes up this model does not overlap, therefore the Waterfall Model begins and ends with one step before beginning the next [10].

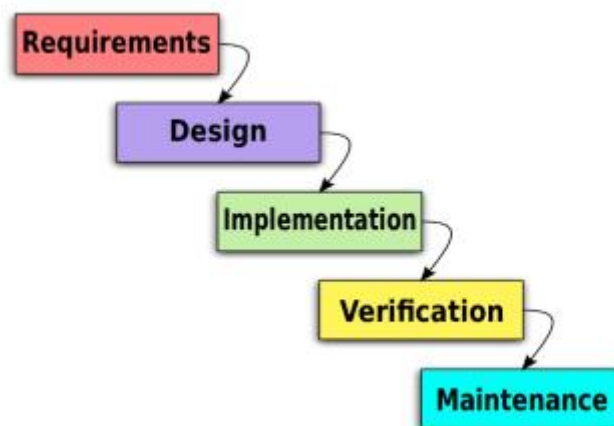


Figure 1. Waterfall Method

## 3. RESULT AND DISCUSSION

To operate and manage the website-based art service booking application system, several personnel are needed, namely: (i) Admin, representing the studio manager with the task of managing the whole system, starting from managing the booking of art services and payments, and (ii) User, representing the customer who acts as a website user to get the information needed and also make booking transactions at the studio. In this website application system made with PHP and HTML programming languages and uses MySQL to store the database created. The design used in making the database of this website application system uses the Entity Relationship Diagram, which can be seen in Figure 2.

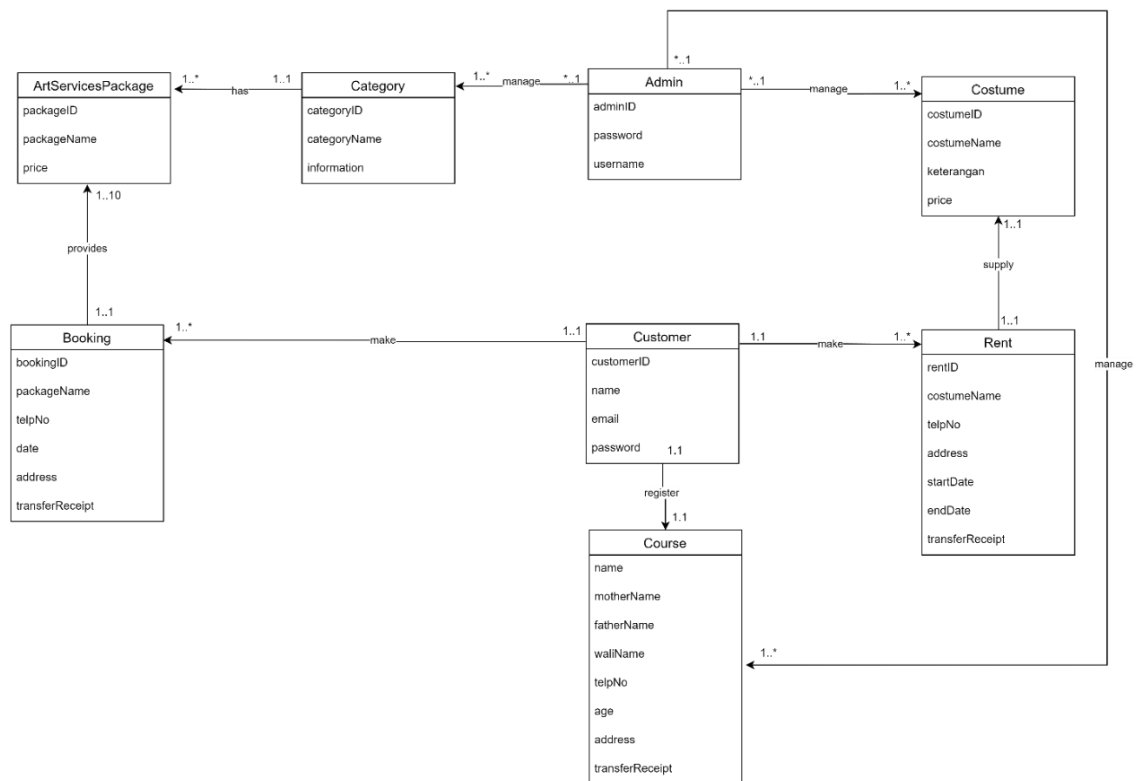


Figure 2. Entity Relationship Diagram

## Form Booking

This application can facilitate the process of ordering art services between customers and art service providers. The booking and payment process is carried out by the customer. Customers can view and determine the art service package they want to order and then fill out the order data form.

**Form Booking**

Silahkan melengkapi data terlebih dahulu pada form berikut ini :

Nama

Nama Paket

Alamat Acara

Nomor HP  Tanggal Acara

Tanggal Pemesanan

Figure 3. Form Booking

After completing the order form, order details will be displayed to proceed to the proof of payment upload page.

Booking List						
Booking ID	Nama	Tanggal Pesan	Tanggal Acara	Paket	Harga Paket	Aksi
BI-001	metha	2023-10-01	2023-10-18	Paket Mapag Small	3500000 IDR	Waiting.. <button>Upload Bukti</button>

## Bukti Pembayaran

Upload bukti pembayaran anda! Bukti yang diupload hanya berupa gambar (jpg, png, gif).

No file chosen

Field ini digunakan untuk unggah file

Figure 4. Payment Form

### Form Course

As a place that provides arts and entertainment services to be used as performing arts, sanggar is also a place for people to learn about these arts. Therefore, customers who want to take part in art learning activities carried out by the studio can do so by filling out the following form.

**Form Pendaftaran Anggota Sanggar**

Silahkan melengkapi data terlebih dahulu pada form berikut ini :

Nama Anak

Nama Ayah

Nama Ibu

Nama Wali

Alamat Tempat Tinggal

Nomor HP  Usia

No Handphone  Usia Anak

Figure 5. Form Course

#### 4. CONCLUSION AND RECOMMENDATIONS

Based on this explanation, it can be concluded that the application system for ordering art services aims to provide convenience for customers in obtaining information and making order transactions, so that orders can be accessed anywhere and anytime easily. As a studio manager or service provider, the function of making this website application makes it easy to manage transactions and information.

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#### REFERENCE

- [1] Aurelia, A., Wasino, Chandra, D., & Beng, J. T. (2023). Developing Website-Based Information System Applications to Map PT. XYZ's Properties Using Next.JS Framework with Haversine Method. *International Journal of Application on Sciences, Technology and Engineering (IJASTE)*, 1(1), 59-64.
- [2] Yudiawati, H. (2021). Manajemen Pelestarian Angklung Sebagai Warisan Budaya Takbenda. *Manajemen Pelestarian Angklung Sebagai Warisan Budaya Takbenda*, 7(1), 31-44.
- [3] Alamsyah, M. N., & Rusdiyanto. (2020). Aplikasi Jasa Pemesanan Jasa Kesenian Berbasis Web Mobile di Sanggar Seni Studio Lingga. *Jurnal Ilmiah Betrik*, 11(3), 146-153.
- [4] Simatupang, J., & Sianturi, S. (2019). Perancangan Sistem Informasi Pemesanan Tiket Bus Pada PO. Handoyo Berbasis Online. *Jurnal Intra-Tech*, 3(2), 12-25.
- [5] Purnomo, R. A. (2016). *Ekonomi Kreatif: Pilar Pembangunan Indonesia*. Surakarta: Ziyad Visi Media.
- [6] Sudarman, Y., & Susmiarti. (2020). Meningkatkan Pengetahuan dan Kemampuan Sanggar Seni dalam Menciptakan Karya Seni Berbasis Industri Kreatif di Kota Padang. *ABDI HUMANIORA: Jurnal Pengabdian Masyarakat Bidang Humaniora*, 2(1), 34-43.
- [7] Fonggo, F., Beng, J. T., & Arisandi, D. (2020). Web-Based Canteen Payment and Ordering System. *IOP Conference Series: Materials Science and Engineering*, 1007, 1-5.
- [8] Arora, R., & Arora, N. (2016). Analysis of SDLC Models. *International Journal of Current Engineering and Technology*, 6(1), 268-272.
- [9] Cristian, D., Rusdi, Z., Chandra, D., & Beng, J. T. (2023). Covid-19 Vaccination Geographic Information System Application. *International Journal of Application on Sciences, Technology and Engineering (IJASTE)*, 1(1), 59-64.
- [10] Alshamrani, A., & Bahattab, A. (2015). A Comparison Between Three SDLC Models Waterfall Model, Spiral Model, and Incremental/Iterative Model. *International Journal of Computer Science Issues (IJCSI)*, 12(1), 106.