

FINAL PROJECT PEMROGRAMAN WEB A

“ART GALLERY”



DOSEN PENGAMPU

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Deskripsi Ide dan Fitur / Menu

Rancangan ide studi kasus yang kami buat, memiliki konsep dasar “Art Gallery” sehingga dapat diinterpretasikan sebagai sebuah pameran dengan produk yang ditampilkan yaitu karya seni. Karya-karya tersebut berasal dari berbagai seniman yang kemudian ditampilkan kepada pengguna semenarik mungkin. Website ini memiliki fungsi sebagai ajang mengiklankan karya seni kepada khalayak umum, website ini juga berfungsi sebagai wadah yang menampung karya seni dari berbagai aliran sehingga dapat menjadi media seni yang kompetitif, memfasilitasi pengapresiasi karya seni secara digital, serta menjembatani segala bentuk masukan yang membangun antara pengguna dan seniman. Berdasarkan fungsi-fungsi yang telah disebutkan maka kami usulkan sebuah website yang memiliki fitur sebagai berikut :

- a. Menambahkan, melihat mengupdate dan menghapus karya seni dari galeri seniman.
- b. Login dan sign up akun seniman dalam website.
- c. Dapat menampilkan galeri umum karya seni yang berisi karya seni dari seluruh seniman secara acak.
- d. Memfasilitasi apresiasi seni dalam bentuk tombol like yang dapat ditekan oleh setiap seniman yang terdaftar.
- e. Dapat menampilkan karya seni terfokuskan dan menyediakan kolom komentar yang dapat diisi oleh pengguna sehingga dapat tersampaikan kepada seniman.
- f. Dapat menampilkan karya seni berdasarkan kategori yang ada.
- g. Dapat menampilkan karya seni berdasarkan fitur pencarian.

Database

Studi Kasus Basis data yang saya buat ini adalah sebuah sistem yang mampu membantu pemilik sebuah konstruksi untuk mengontrol semua transaksi dan mencatat semua data dan kegiatan para karyawan melalui penyimpanan database. Dimana dalam data base yang kami buat memiliki 4 entitas.

Entitas-entitas tersebut meliputi :

- Entitas Akun merupakan entitas yang mencatat data akun seniman.
- Entitas Post merupakan entitas yang mencatat postingan yang telah di lakukan seniman.
- Entitas Kategori merupakan entitas yang berfungsi untuk mengkategorikan entitas Post / postingan yang telah di lakukan seniman.
- Entitas Komentar merupakan entitas yang mencatat seluruh komentar yang di berikan setiap pemilik akun kepada postingan.

Entitas Akun

```
MariaDB [artgallery]> desc akun;
+-----+-----+-----+-----+-----+-----+
| Field | Type  | Null | Key  | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| USERNAME | varchar(30) | NO | PRI | NULL |       |
| EMAIL | varchar(20) | YES |     | NULL |       |
| PASSWORD | varchar(50) | YES |     | NULL |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.014 sec)
```

Entitas Kategori

```
MariaDB [artgallery]> desc kategori;
+-----+-----+-----+-----+-----+
| Field | Type  | Null | Key  | Default | Extra |
+-----+-----+-----+-----+-----+
| IDKATEGORI | varchar(30) | NO | PRI | NULL |       |
| NAMAKATEGORI | varchar(30) | YES |     | NULL |       |
+-----+-----+-----+-----+-----+
2 rows in set (0.018 sec)
```

Entitas Post

```
MariaDB [artgallery]> desc post;
+-----+-----+-----+-----+-----+-----+
| Field | Type  | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| IDPOST | varchar(30) | NO | PRI | NULL |
| GAMBAR | varchar(30) | YES |     | NULL |
| DESKRIPSI | varchar(255) | YES |     | NULL |
| TANGGALPOST | date | YES |     | NULL |
| JUMLAHLIKE | int(11) | YES |     | NULL |
| IDKATEGORI | varchar(30) | YES | MUL | NULL |
| USERNAME | varchar(30) | YES | MUL | NULL |
+-----+-----+-----+-----+-----+-----+
7 rows in set (0.014 sec)
```

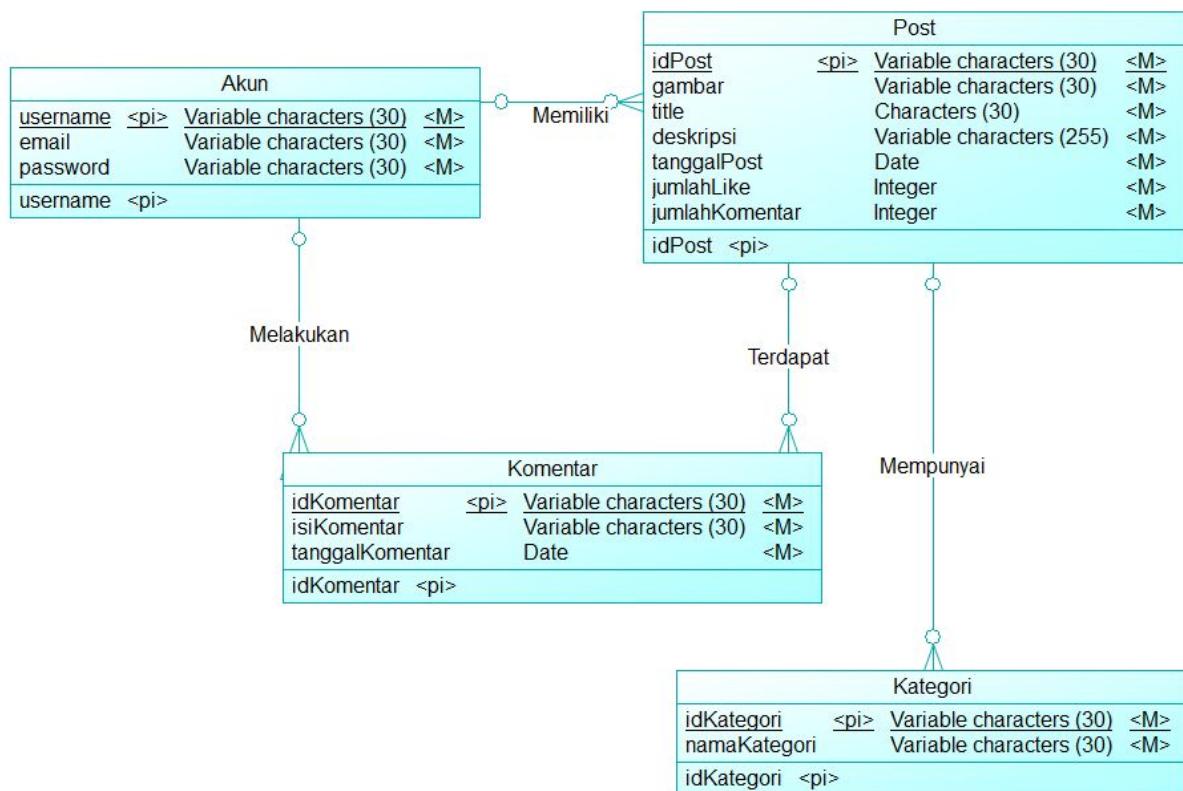
Entitas Komentar

```
MariaDB [artgallery]> desc komentar;
+-----+-----+-----+-----+-----+-----+
| Field | Type  | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| IDKOMENTAR | varchar(30) | NO | PRI | NULL |
| ISIKOMENTAR | varchar(255) | YES |     | NULL |
| TANGGALKOMENTAR | date | YES |     | NULL |
| JAMKOMENTAR | time | YES |     | NULL |
| IDPOST | varchar(30) | YES | MUL | NULL |
| USERNAME | varchar(30) | YES | MUL | NULL |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.013 sec)
```

Conceptual Data Modelling (CDM)

CDM adalah model yang dibuat berdasarkan anggapan bahwa dunia nyata terdiri dari koleksi obyek-obyek dasar yang dinamakan entitas (entity) serta hubungan (relationship) antara entitas-entitas tersebut. CDM memodelkan struktur logis dari keseluruhan aplikasi data, tidak tergantung pada software atau pertimbangan model struktur data.

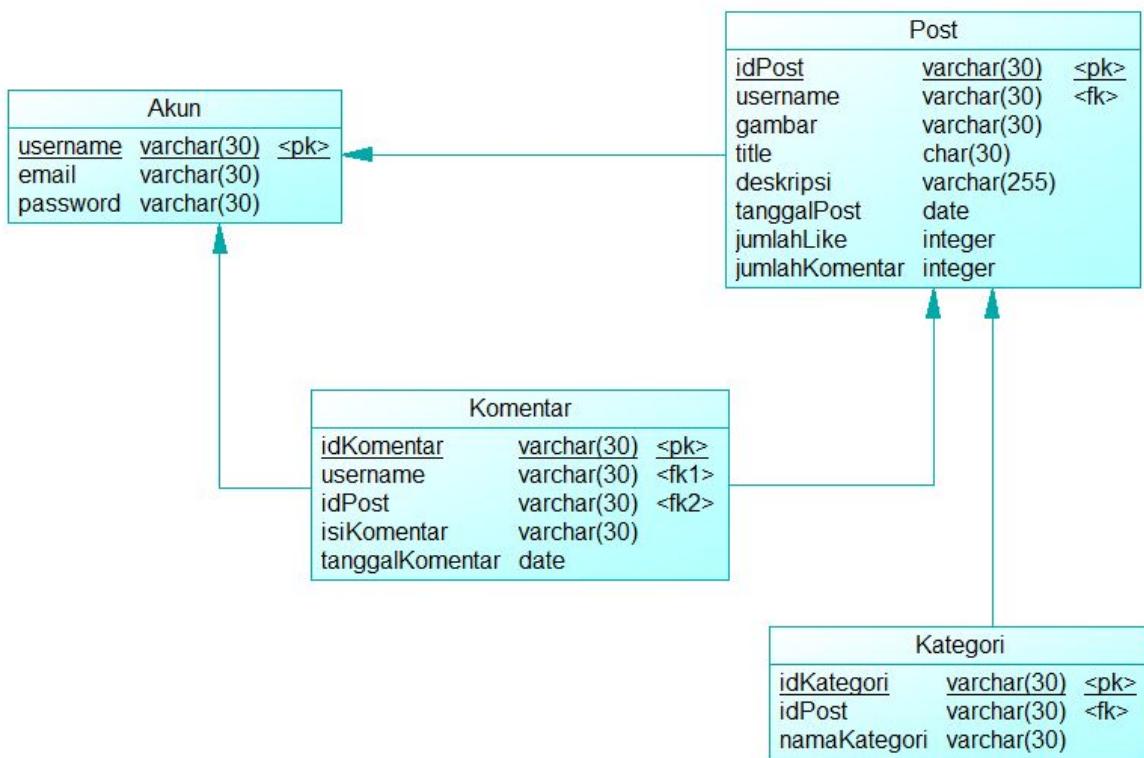
Berikut adalah CDM yang telah dibuat :



Physical Data Modelling (PDM)

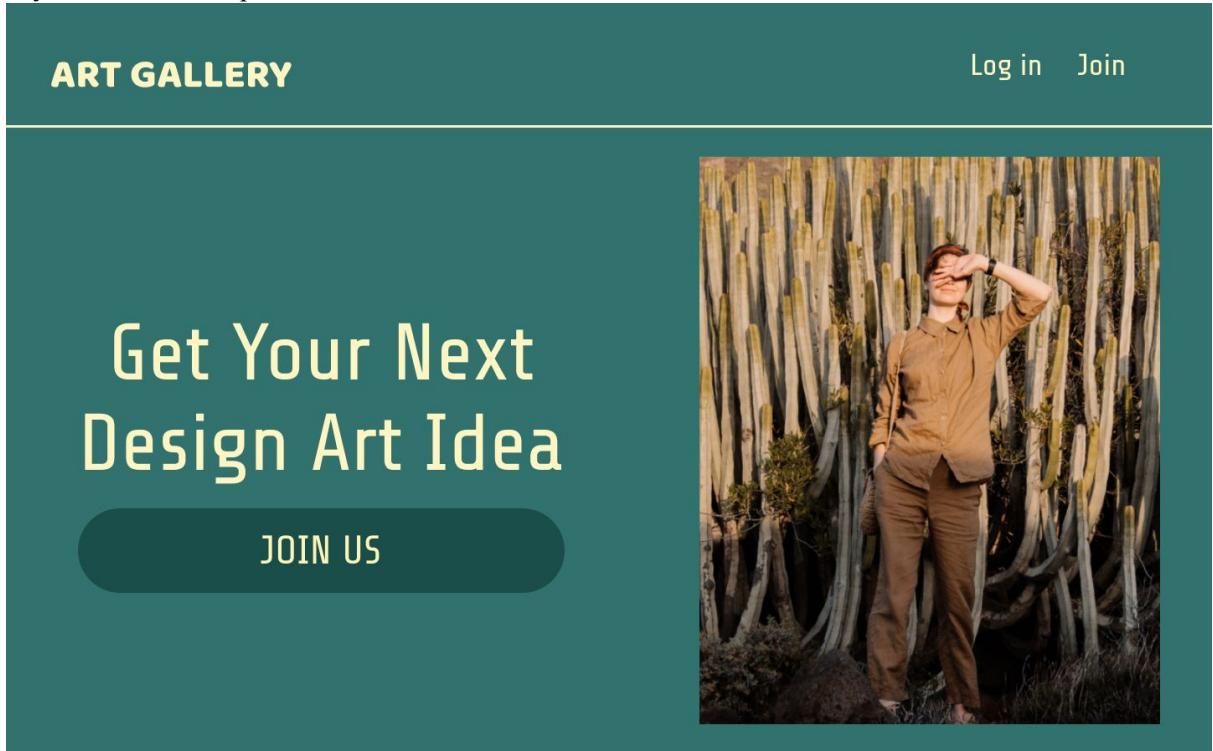
PDM merupakan model yang menggunakan sejumlah tabel untuk menggambarkan data serta hubungan antara data-data tersebut. Setiap tabel mempunyai sejumlah kolom di mana setiap kolom memiliki nama yang unik. PDM merupakan gambaran secara detail basis data dalam bentuk fisik. Penggambaran rancangan PDM memperlihatkan struktur penyimpanan data yang benar pada basis data yang digunakan sesungguhnya.

Berikut adalah PDM yang telah dibuat :



User Interface

- a. Layout Halaman Depan



b. Layout Log In

The layout consists of two side-by-side cards. The left card features a large image of a person sitting on a rooftop overlooking a city skyline at sunset. Overlaid on the image is the text "ART GALLERY" and "JOIN THE LARGEST ART COMMUNITY IN THE WORLD". Below this, a smaller text box reads: "Explore and discover art, become a better artist, connect with others over mutual hobbies, or buy and sell work – you can do it all here." The right card has a teal header with the word "Log in" in white. It includes a "Join" link and two input fields for "Username" and "Password", followed by a blue "LOG IN" button. At the bottom, there is a link to terms and conditions.

ART GALLERY

JOIN THE LARGEST ART COMMUNITY IN THE WORLD

Explore and discover art, become a better artist, connect with others over mutual hobbies, or buy and sell work – you can do it all here.

Log in

Do you have an account? [Join](#)

Username

Password

LOG IN

By clicking Log In, I confirm that I have read and agree to the ArtGallery Terms of Service, Privacy Policy, and to receive emails and updates.

c. Layout Sign

The layout consists of two side-by-side cards. The left card features a large image of a person sitting on a rooftop overlooking a city skyline at sunset. Overlaid on the image is the text "ART GALLERY" and "JOIN THE LARGEST ART COMMUNITY IN THE WORLD". Below this, a smaller text box reads: "Explore and discover art, become a better artist, connect with others over mutual hobbies, or buy and sell work – you can do it all here." The right card has a teal header with the word "Join" in white. It includes a "Log in" link and four input fields for "Pick a username", "Add your email", "Password", and "Confirm password", followed by a blue "JOIN" button. At the bottom, there is a link to terms and conditions.

ART GALLERY

JOIN THE LARGEST ART COMMUNITY IN THE WORLD

Explore and discover art, become a better artist, connect with others over mutual hobbies, or buy and sell work – you can do it all here.

Join

Already a username? [Log in](#)

Pick a username

Add your email

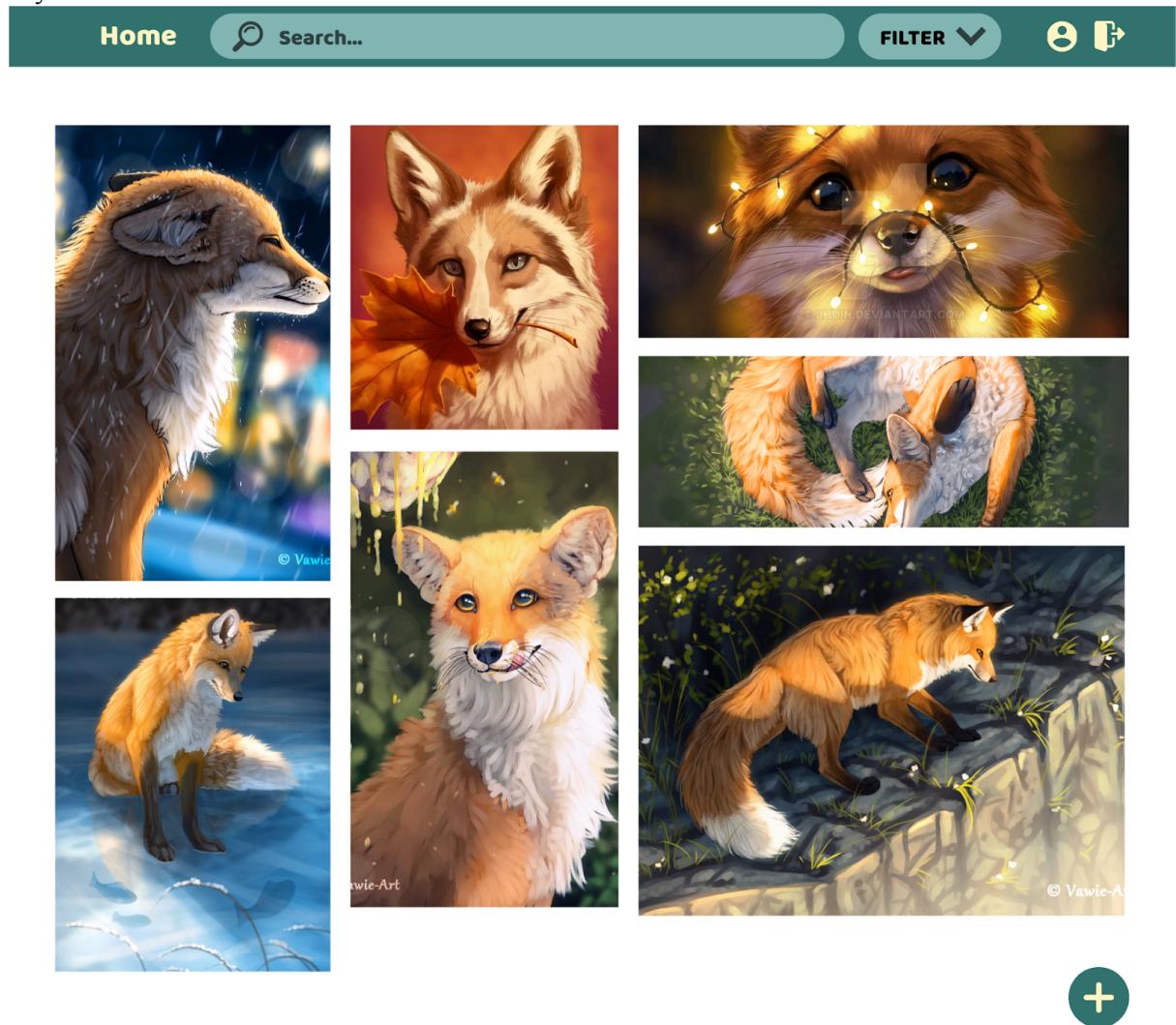
Password

Confirm password

JOIN

By clicking Log In, I confirm that I have read and agree to the ArtGallery Terms of Service, Privacy Policy, and to receive emails and updates.

d. Layout Home



e. Layout Home Filter Dropdown

The image shows a user interface for a digital art platform. At the top, there is a navigation bar with a "Home" button, a search bar containing the placeholder "Search...", and a "FILTER" button with a dropdown arrow. To the right of the filter button are icons for user profile and export. A vertical filter dropdown menu is open, displaying five categories: "ANIMAL", "ANIME", "CITY", "NATURE", and "PHOTOGRAPHY". Below the filter menu, a grid of nine fox-related artworks is displayed. The artworks include various styles and backgrounds, such as a fox in a rainy cityscape, a fox with autumn leaves, a fox with string lights, a fox in a forest, a fox sitting by water, and a fox walking through rocks. Each artwork has a small copyright notice like "© Vawie-Art". At the bottom right of the screen, there is a green circular button with a white plus sign.

f. Layout Art Detail Like and Comment

Home Search... FILTER



© Vawie-A

The Shining Red Wolf
By USERNAME Published : Dec 09, 2020

0 LIKES 2 COMMENTS ANIMAL

Comment

Write your comment here...

CANCEL COMMENT

USERNAME Dec 10, 2020
Amazing art!, great job.

USERNAME Dec 10, 2020
Love this picture!

g. Layout Insert Art

The screenshot shows a user interface for submitting artwork. At the top, there is a dark green header bar with the word "Home" and a magnifying glass icon followed by the text "Search...". To the right of the search bar are "FILTER" and a dropdown menu, along with icons for user profile and export. Below the header, the main title "Submit Your Art" is displayed in bold black text. The form consists of several input fields: a large gray area for uploading a file with the placeholder "Choose your file"; a text input field for the title with the placeholder "Text your title here ..."; a text input field for the description with the placeholder "Text your description here ..."; and a dropdown menu for selecting a category with the placeholder "Select your category ...". A "Submit" button is located at the bottom right of the form area.

Submit Your Art

Upload Your File

Choose your file

Title

Text your title here ...

Description

Text your description here ...

Select your category ...

▼

Submit