

ABSTRACT

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Title: ARR WALLPAPERS

The primary objective of ARR Wallpapers is to create a dynamic platform that empowers content creators by providing them with a space to showcase their artistic work and monetize their talent. The website serves as a dedicated hub, uniting artists, photographers, and designers, allowing them to exhibit their wallpaper creations and gain well-deserved recognition for their skills and creativity.

The ARR Wallpapers website is in the process of introducing a subscription-based model, offering two distinct plans: a 1 month subscription and a 1 year subscription. This transition is part of our commitment to support both creators and users.

For those who seek stunning wallpapers at no cost, the site will continue to provide a wide selection of free wallpapers. Additionally, subscribers will enjoy exclusive benefits, gaining access to a vast collection of premium wallpapers with enhanced resolutions, unique designs, and extra features, enriching their digital experiences. Content creators will receive a fair share of the revenue generated from these subscription plans, ensuring just compensation for their talents and efforts.

The website functions as an online gallery, curating an extensive collection of high-quality wallpapers suitable for various electronic devices, including computers, smartphones, and tablets, catering to diverse tastes.

To support these creators and encourage their continued creativity, ARR Wallpapers offers a range of premium wallpapers through subscription plans. Innovative features, such as Wallpaper Retrieval through Similar Image Search and personalized wallpaper recommendations, will be enhanced to cater to subscribers, ensuring they find wallpapers that match their aesthetic preferences.

This transition is dedicated to ensuring a sustainable ecosystem where creators are rewarded for their talents and users can enjoy top-quality wallpapers.

Topics to cover during **Mini Project**

Users:

1. Admin:

The admin user has the authority to manage wallpapers, including deleting inappropriate content and deactivating users. Additionally, the admin can perform uploads and edits on the site. Admin has to verify the content creator's portfolio during registration, and after approval, creators can log in.

2. Content creators:

Content creators have to register on the site with proper verification after admin approval. They can upload, update, or delete their wallpapers.

3. Subscribers (Premium Users):

Subscribers can register and choose either a monthly or yearly plan. After making a payment, they gain the ability to download paid wallpapers in high quality. Content creators receive compensation from subscription revenue.

4. End Users:

End users can easily download artists' work without the need to log in.

Modules

Registration: -

- Creators have to register with Username, E-mail and password or with google account to this site with proper documentation for admin verification to check he/she is a genuine artist or not.

Login: -

- Admin, Creators can Login to the site with registered email username or with google account.
- Creators can only login after Admin Approval.

Wallpaper Gallery: -

- Display a visually appealing and user-friendly gallery of wallpapers.
- Categorize wallpapers into different categories and tags for easy browsing.
- Implement search and filtering options to help users find specific wallpapers.
- Allow users to save wallpapers to their favourites or create personalized collections.

Administrative Features: -

- Admin dashboard: Provide an administrative interface to manage user accounts, upload wallpapers, Delete Wallpapers, and Content creator profiles.

CRUD Functionalities for Content creators: -

- Create: Allow content creators and administrators to upload wallpapers and manage user accounts.
- Read: Enable users to browse wallpapers, view content creator profiles, and read ratings and views.
- Update: Provide options to edit wallpaper details, update user profiles, and modify content creator information.
- Delete: Allow content creators and administrators to remove wallpapers, delete user accounts, and manage contents.

Search Functionality: -

- Implement a search module to quickly and efficiently find specific wallpapers or discover new ones.
- Utilize search algorithms to process user input and retrieve relevant wallpapers from the website's database.

Liking and Saving Wallpapers (in Cookies):

- Allow users to "like" and save wallpapers to cookies for easy access without the need to log in.
- Implement a user-friendly interface for managing liked wallpapers in the browser, enabling users to revisit their favorites anytime.

Search property - Image Retrieval Using Convolutional Neural Networks (CNN):

- Utilize Convolutional Neural Networks (CNN) for image similarity search based on a related user-provided image.
- Find visually similar wallpapers from the website's database using deep learning techniques.

Payment Gateway Integration: -

- Integrate with a payment gateway service to enable secure and convenient online payments for premium wallpapers and donations to content creators.

Topics to cover during **Main Project**

Modules

Wallpaper Filtering and Sorting:

- Provide users with the ability to refine their wallpaper search results through various filtering options.
- Allow users to sort wallpaper results based on different attributes to align with their preferences.

Image Recommendation Using Machine Learning:

- Utilize machine learning algorithms to provide personalized image recommendations to users based on their preferences.
- Collaborative Filtering: Recommend wallpapers based on users' interactions, such as views and likes.
- Similar Image Search: Enable users to find wallpapers similar to a selected image.

Community:

- Create a community space where users and content creators can interact, share ideas, and discuss wallpapers and design trends.
- Allow users to follow their favorite content creators and receive updates on their latest creations.
- Implement features like forums, comments, and direct messaging to foster engagement.

User Feedbacks:

- Incorporate a feedback system that enables users to provide comments, ratings, and reviews for wallpapers and content creators.
- Collect and analyze user feedback to improve the overall user experience and highlight popular wallpapers and creators.

Voice Search Assistant:

- Integrate a voice search assistant that allows users to search for wallpapers using voice commands.
- Implement natural language processing to enhance the accuracy and convenience of voice-based searches.
- Provide voice-guided navigation and commands for a seamless user experience.

AI Wallpaper Generator Using Text Prompt:

- Integrate an advanced AI-powered wallpaper generator that allows users to create custom wallpapers by providing text prompts.
- Leverage state-of-the-art AI models to interpret and generate images based on the textual descriptions provided by users.
- Enhance the user experience by providing options to customize generated wallpapers, such as color schemes, styles, and themes.
- Implement stability AI to ensure consistency and coherence in the generated images, maintaining a high-quality standard.
- Enable users to save and share their custom-generated wallpapers within the community, fostering creativity and collaboration.