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## Requirement Explanation Video

Category: B12-A10\_category-0021

## **ARTIFY – A CREATIVE ARTWORK SHOWCASE PLATFORM**

### **Project Theme:**

Create an online art-sharing platform where artists can upload and display their creative works, explore other artists' galleries, curate favorites, and connect through appreciation and interaction. The website emphasizes creativity, modern UI, and clean navigation for art lovers.

### **Key Rules:**

- GitHub Commits:
  - Include a minimum of 15 notable GitHub commits on the client side.
  - Include a minimum of 8 notable GitHub commits on the server side

- Readme.md: Add a meaningful readme.md file with the name of your website and a live site URL on client side. Include a minimum of five bullet points to feature your website.
- Lorem Text: Don't use any Lorem ipsum text; you can not use the default alert to show any error or success message.
- Host your Application: You can choose deployment systems like Netlify, Surge, and Firebase for client-side hosting and Vercel for server-side hosting. As you develop a single-page application
  - Ensure that the page doesn't throw any error on reloading from any routes.
  - Add your domain for authorization to Firebase if you use Netlify / surge
  - Logged in User must not be redirected to Login on reloading any private route

## Layout Structure:

### Navbar:

- Website Name/Logo (Artify)
- Links: Home | Explore Artworks | Add Artwork (Private) | My Gallery (Private) | My Favorites (Private)
- Conditional rendering:
  - If not logged in: show Login & Register buttons.

- If logged in: show user's photoURL; on hover show name & Logout button.

### Footer:

- Website name, copyright, contact info, and social links.

### 404 Page:

- Creative 404 design without navbar/footer.

## Home Page

Add a Banner/Slider with at least 3 slides highlighting art or trending artists.

### Featured Artworks Section:

- Show 6 artworks sorted by most recent.
- Use MongoDB's sort() and limit() operators.
- Each card: image, title, artist name, category, and a View Details button.

Add at least 2 extra sections, e.g., 'Top Artists of the Week' and 'Community Highlights'.

## Authentication

### User Login:

- Login form with Email & Password fields.
- Google login option.
- Link to Register page.
- On success → redirect to Home/intended route.
- On failure → show toast/sweetalert.

### User Registration:

- Registration form with Name, Email, Photo URL, Password.
- Password validation: Must contain uppercase, lowercase letter, and minimum 6 characters.
- On success → toast/success alert & redirect to Home.
- Link to Login page.
- Google signup option.

 Email verification or forget password not required.

## CRUD Operations

### Add Artwork Page (Private Route)

A form with the following fields for adding artwork data.

- Image URL, Title, Category, Medium/Tools, Description, Dimensions (optional), Price (optional), Visibility (Public/Private), User Name (read-only), User Email (read-only).

- Add Button → Store data in DB & show success toast.

### Explore Artworks Page

- Display all public artworks from the DB.
- Card layout with image, title, artist name, category, likes count, and View Details button.
- Implement Search by title or artist.

### Artwork Details Page (Private Route)

- Full artwork details: image, title, artist, medium, description.
- Artist info: name, photo, total artworks.
- Include Like button → increases like count in DB.
- Add to Favorites button.

### My Gallery Page (Private Route)

- Display artworks added by the logged-in user with functional Update & Delete options.
- Delete: confirmation before removal.
- Update: modal/pre-filled form → update DB → success toast.

### My Favorites Page (Private Route)

- Display favorite artworks.
- Allow unfavoriting.

### Other Requirements

- Loading Spinner while fetching data.

- Navbar and footer visible on all pages except 404.
- Use toast/sweetalert for feedback.

## UI Design Requirements:

**Unique Design:** First, decide what kind of website you want to make. Then, search online or check out websites like ThemeForest to get ideas for the design. But remember, your website idea shouldn't be similar to any projects you've done before or to any examples in our modules or conceptual sessions.

You can also look for free resources on [blogs](#) to help with your website.

1. Keep the main heading style (font, size, color) consistent across all sections.
2. Keep paragraph spacing balanced and text easily readable.
3. Maintain uniform image sizes and spacing.
4. Use the same button style as on the home page.
5. Ensure good spacing and proper alignment.
6. Navbar, Keep the heading/logo same style and size as on the home page.
7. Use a grid layout with equal image sizes.
8. Keep all cards equal height and width (especially in services, projects, or products section)

9. Use the new X logo instead of the old Twitter bird to match the latest rebrand.
10. Responsiveness: Make it responsive for all devices, including mobile, tablet, and desktop views.

### Resources:

- <https://uiverse.io/>
- <https://devmeetsdevs.com/>
- <https://bootcamp.uxdesign.cc/free-images-and-resources-collection-for-website-c77f2fc46ce5>
- [https://themeforest.net/?srsltid=AfmBOopTj6PNz51iuV2YjXUtBP8nt19\\_zT5LG2dToAjIHQqzNCzregn0](https://themeforest.net/?srsltid=AfmBOopTj6PNz51iuV2YjXUtBP8nt19_zT5LG2dToAjIHQqzNCzregn0)
- <https://codecanyon.net/?srsltid=AfmBOooRoUfeK7lOROpchCuA4hPVj5P9WRmtDQJ9K0E6Yhf4VTrHhXKt>

### Challenges

1. Like System: Use MongoDB \$inc or MongoDB \$push and \$pull to manage like count. (**Increase** Functionality is **Mandatory** & **Decrease** Functionality is **Optional**).
2. Filter System: Implement Filter By Category in [Explore Artworks Page](#).
3. Theme Toggle: Implement dark/light mode with persistence using localStorage.
4. Integrate any 2 libraries:
  - a. [react-image-gallery](#),

- b. [React Simple Typewriter](#),
- c. [React Awesome Reveal](#),
- d. [React Tooltip](#).

## ✨ Optional Features

- Artist Profile Page showing artist bio, total artworks, and followers.
- Category Filter Page showing artworks grouped by category in tabs.

## ✅ What to Submit

- Client-side GitHub Repository
- Server-side GitHub Repository
- Live Website URL