DIY Project Sharing Platform:

# Description

# DIY (do-it-yourself) projects and tutorials with a vibrant community of enthusiasts. This platform will allow users to upload photos and videos, along with detailed step-by-step instructions for their projects, fostering creativity and collaboration. By providing a space for individuals to showcase their skills and share their experiences, we hope to inspire others to embark on their own DIY adventures, while also building a supportive network of like-minded creators.

# Module 1: User Authentication Model:

Allow users to register and log in securely to access the volunteer management system. Users can create profiles, manage their account settings, and access the system's features based on their roles and permissions.

## User Registration

Allow users to create new accounts by providing necessary information such as username, email, and password and other required information for registration.

Process user registration requests, validate input data, and store user information securely in the database.

Strong password policies should be enforced (Example:minimum length, character variety).

E-mail Varification can be implemented to confirm user legitimacy and prevent spam accounts.

## Login

## Login Form: Design a login form where users can enter their credentials (username/email and password) to access their accounts.

## User profile and account management

- Profile Management: Allow users to view and edit their profile information, including personal details, profile picture, bio, and preferences.

- Account Settings: Provide options for users to update account settings, such as changing passwords, email addresses, notification preferences, and privacy settings.

# Module 2: Project Management Module

The DIY Project Sharing Platform can include a robust Recipe Management Module that allows users to create, edit, and delete their own recipes with ease. This module can consist of several submodules to facilitate the process of adding projects, project details , and uploading images for their projects. Here's how the projects Management Module can be structured:

1. Create projects: Users can start by creating a new recipe by providing a title, description, and selecting relevant categories such as home decor, woodworking, and papercraft.

2. Add media: In this submodule, users can list all the ingredients required for their recipe. They can specify the quantity, measurement units, and any additional notes or variations for each ingredient. Users can also search for ingredients from a pre-populated database to ensure consistency and accuracy.

3. Edit Projects: Users have the flexibility to edit their projects at any time, whether it's to correct a mistake, update a category type, title, description. The Edit project feature allows users to make changes quickly and efficiently without losing any previously saved data.

4. Delete projects: If users no longer wish to keep a project on the platform, they can easily delete it using the Delete option. This ensures that users have full control over their content and can manage their project collection according to their preferences.

# Module 3: Media upload module

The **Media Upload Module** in a DIY project sharing platform allows users to upload various types of media, such as images, videos, and audio files, to enhance their project descriptions.

1. Image Upload: The **Image Upload Feature** in a project allows users to enhance their project documentation by adding visual elements. With the Image Upload Module, you can upload pictures of each step, from gathering materials to the final assembly. This visual guide can significantly help others follow along and achieve the same results.
2. Video URL Upload: The **Video Upload Feature** in a DIY project sharing platform allows users to enhance their project documentation by adding video content through URL.

# Module 4: Step By Step instructions Module

The **Step-by-Step Instructions Module** is designed to help users create detailed guides for their DIY projects. This module allows users to add clear descriptions, images, or videos for each step, making it easier for others to follow along and replicate the process. It’s a valuable tool for sharing knowledge and expertise, ensuring that even complex projects can be understood and completed by others.

1. PDF Upload: The **PDF Upload Feature** in a DIY project sharing platform allows users to upload and share PDF documents as part of their project documentation. With the PDF Upload Feature, you can upload a comprehensive guide in PDF format that includes step-by-step instructions, diagrams, and materials lists. This ensures that others can easily download and follow your guide to achieve the same results.

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# Module 5: Category and Tagging Module

The **Category and Tagging Module** is designed to help organize DIY projects into various categories, such as woodworking, crafts, and home decor. This makes it easier for users to discover projects that interest them. Additionally, it allows users to add tags to their projects, improving searchability and ensuring that projects can be easily found based on specific keywords. This module enhances the user experience by providing a structured way to browse and locate projects on the platform.

1.Category Name: A **Category Name** in a DIY project sharing platform refers to the specific label assigned to a group of related projects. This name helps in organizing and classifying projects, making it easier for users to find what they’re looking for. The admin provide some category names and this names are shown in category type in the create project section users can select their specific category type from it