

# కళా Bazaar

**Sub Title:** Handicraft & Artisan Product E-commerce Platform

**Team Name :** Keystones



# Problem Statement & Solution Proposal

An E-Commerce Platform specifically for Handicrafts & Artisan Products that can provide a significant boost to artisans by giving them a dedicated marketplace to showcase and sell their unique creations, ensuring an engaging user experiences?

To design and develop a robust, user-friendly E-Commerce Platform specifically tailored for Selling and Purchasing of Handmade & Artisan Products unlike other available commercial platforms for sale of products for Profits.

The platform aims to connect Artisans with Customers, allowing the showcase of their Unique Products & Artistic Expression.

# Developed using Python Django Framework

Our e-commerce platform for handicraft and artisan products is built using the robust Python Django web framework. Django's powerful features, such as its ORM, admin interface, and built-in security, provide a solid foundation for our platform.



## Python

Python's simplicity and flexibility make it an ideal choice for web development, allowing our team to write clean, maintainable code.



## Django

The Django framework provides a mature, battle-tested solution for building web applications, with a focus on rapid development and best practices.



## Database

We securely store product info, user data, and orders using **SQLite3 Database**, ensuring the integrity of our e-commerce ecosystem.





# Project Overview

## Objective

Create an e-commerce platform for selling handicraft and artisan products.

## Key Features

- User registration and email activation.
- Product listing with images, descriptions, and prices.
- Shopping cart and checkout process.

## Target Audience

The platform will cater to conscious consumers seeking one-of-a-kind, ethically-sourced handicraft products that support local economies and preserve traditional craftsmanship.

# Technology Stack

## Backend

The platform is built using the **Python Django** framework, a robust and flexible web framework that simplifies the development of complex e-commerce applications.

## Database

The system utilizes a **PostgreSQL** database to store product information, user data, and order details, ensuring reliable and scalable data management.

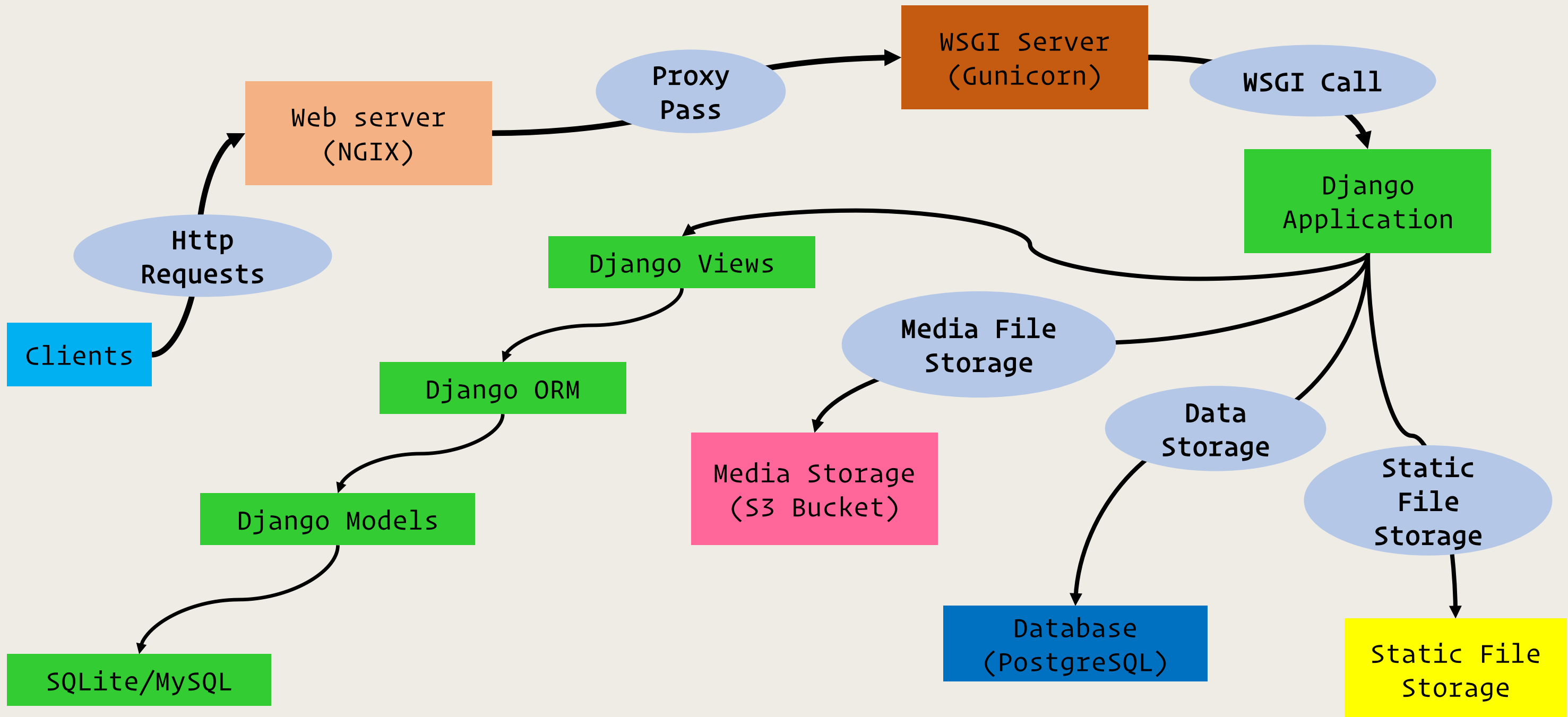
## Frontend

The user interface is developed with **HTML, CSS, Javascript, Bootstrap** a popular JavaScript library that enables the creation of dynamic and responsive web pages.

## Other Tools

The platform integrates with **Django Admin, Django Authentication.**

# Project Architecture



# Product Listing



## Camel

132 reviews 154 orders

**\$150.00** /per pack

Ride

Model# Odsy-1000

Color Brown

Delivery Russia, USA, and Europe

Quantity

+

1

-

Buy now

Add to cart

## Features:

- Display products with images, descriptions, and prices.
- Category and size variants.

# Shopping Cart and Checkout

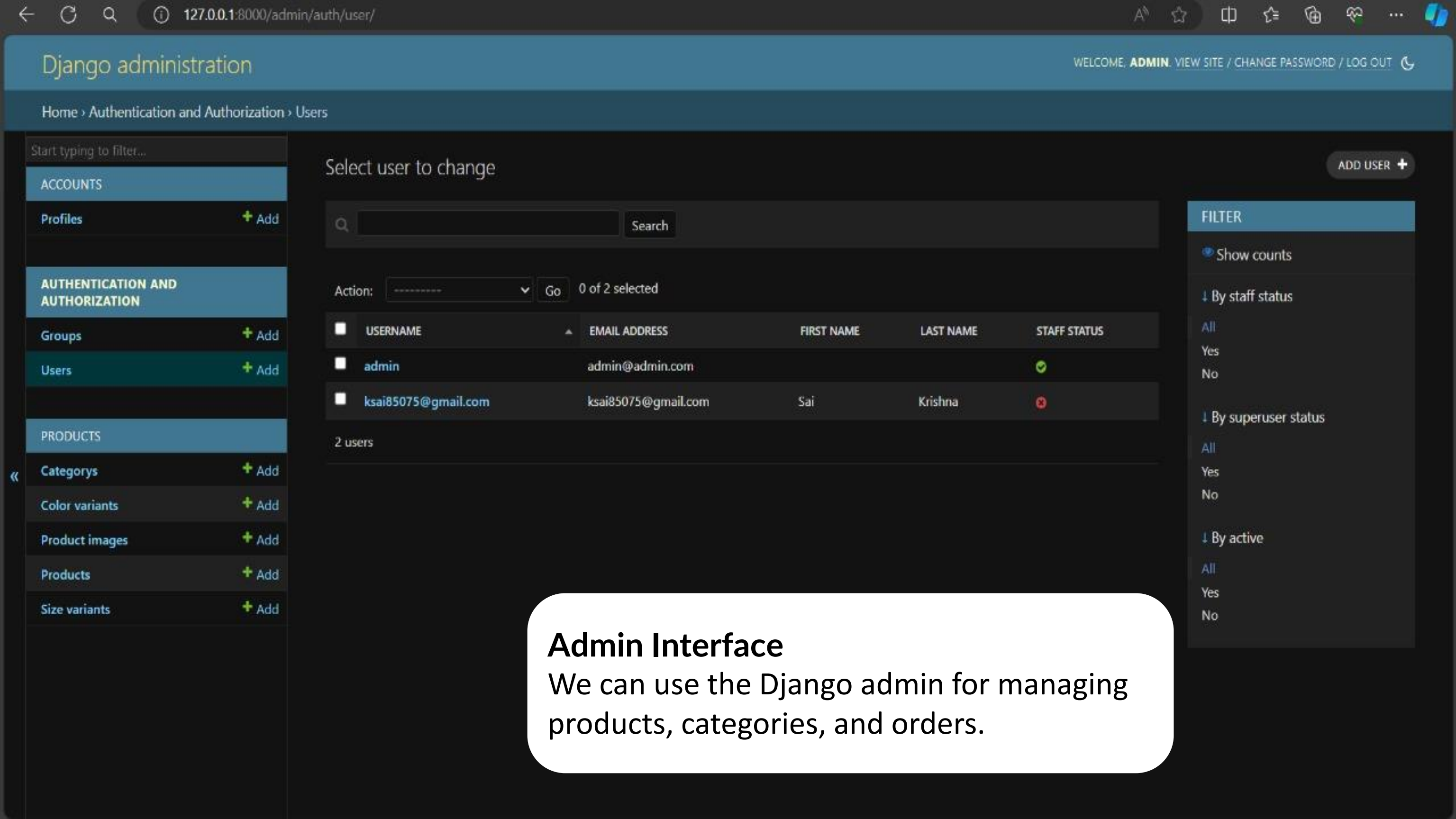
## Features:

- Add products to cart.
- View and manage cart items.
- Proceed to checkout.

## Code Snippet:

```
<a href="#" class="btn btn-outline-primary">Add to cart<i class="fas fa-shopping-cart"></i></a>
```





## Admin Interface

We can use the Django admin for managing products, categories, and orders.

# Challenges & Solutions

## Challenges:

- Email configuration and sending.
- Managing product images and variants.

## Solutions:

- Configure Django to use SMTP settings for sending email. Set up environment variables for sensitive information such as email host, port, username, and password to keep them secure.
- Created a Product Image model to associate multiple images to a product. Utilized Django's Image Field for handling image uploads.

# Future Enhancements

- Implementing a payment gateway.
- Adding user reviews and ratings.
- Enhancing the user interface.

**THANK YOU**