Make & Trade

BRD

Introduced By Group 18

Make & Trade – BRD

# Introduction

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# Background

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# System Description

**What is “Make And Trade”?**

Have you ever thought about making a handmade craft in home but were discouraged because you did not know how to move on with the idea?

Worry no more as in our website you will find everything you need from the materials you need to learn and make a handcraft.

We will be able to guide you to make your own handmade craft and market it.

**The Tutorials System:**

Wondering how to implement your idea of craft? Cannot figure out how to begin? With our tutorial system you will be able to figure how to start implementing your idea into actual work.

We depend on encouraging users with experience and knowledge to make tutorials that will other users and pay it forward. The tutorials will be rated and those with best rating will gain **VIP** access to our site and a lot of more offers

**Providing Required Materials:**

**Finding the required materials for your craft maybe one of the hardest obstacles that can face you. **Make And Trade** will provide all the users’ materials the need on our website for purchase and it can be delivered to them wherever they are.

**Putting The Product for Sale:**

After finishing the product, the user will be able to sell it in our website, and interested buyers can buy it or contact the uploader personally for a special request. The users’ crafts will also be rated and if their products have high rating they will be offered a job on **Make And Trade** tutorials team.

System Architecture:

**Make & Trade** system introduces an amount of handmade crafts and tutorials and purchase service.

The system offer the contents and service to both mobile and desktop users via web-based service.

The system consists of following modules:

**Storage:**

**Make And Trade** uses different types of storage:

● Core storage for the products and user interaction.

● Archive storage for historical changes, deleted contents and old logs.

● System storage for system configuration, users information and fresh logs.

Core storage uses SQLite database that is communicated and queried directly by the website’s backend system (Django-Python). This will allow us and the users to add new products and tutorials. Django allows us to make the communication with the database easier and accessible to view old content and list them.

**Indexing:**

Automatic indexing will be made by the database for all entries. Full text search is used by final users to find certain contents. Also, it used by other modules like data processing to locate contents in a fixed time regardless the overall contents size.

**Product/Tutorial Creation Area:**

This module provides the user with all tools required to upload his item for sale. User can create a product, categorize it, add specs to it, the material used, his phone number and off course, the required price.

The user can modify the product or its specs, same to the tutorials.

**General User Area:**

This module provides user with main system activities like a link to upload a product, view existing products’ details, search for specific products, buying materials, watching tutorials self-exercising exams or attending an online exams arranged by others.

For each product or tutorial, it is possible for the user to discuss issues with the product owner regarding the product or specific inquiry. Users can comment on every item on the website and rate it.

Users can edit their profiles and view other user’s profiles.

General system support martial are published to help users. However users can communication with system operators to report issues or to get a direct support.

**System Administration Area:**

This module is dedicated for system administrators. System administrators responsible on system management, configuration, backup and solving technical issues. System administrator, can view system status, data status, online sessions, logs and other system status and measures and manage the users and products and tutorials.

**Security:**

Security module is responsible on user authentication and communications security. Users register/login using internal accounts .

Security module also, responsible on managing the permissions and roles. Users are either guests, logged users, examination authority owners and examiners.

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# System Features

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# System Development and Operation

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# Appendices

**References**