Make & Trade

SRS

Introduced by G18

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1.Introduction

This section gives a scope description and overview of everything included in this SRS document. Also, the purpose for this document is described and a list of abbreviations and definitions is provided.

1.1. Executive Summary

Make & Trade is an e-shop for handmade crafts. In Make & Trade users can sell their handmade products, share their experience by uploading tutorials for other users to see or even buy material needed to make their products.

1.2. Document overview

The Document will introduce detailed system description including
Its Users and modules, in System users it will explain in detail the
role of each user that will use website, in System modules the
document will use block diagrams to explain the modules.
The document will provide details about system functional and
Non-functional requirements describing the Modules of each one,
It will also include the domain requirements. The document will
include the system models and system interfaces.

1.3. Abbreviations and Terminologies

Abbreviations	Meaning
HTML	Hyper Text Markup Language

1.4. References

[1] IEEE Software Engineering Standards Committee, “IEEE Std 830-1998, IEEE Recommended Practice for Software Requirements Specifications”, October 20, 1998.

2.System description

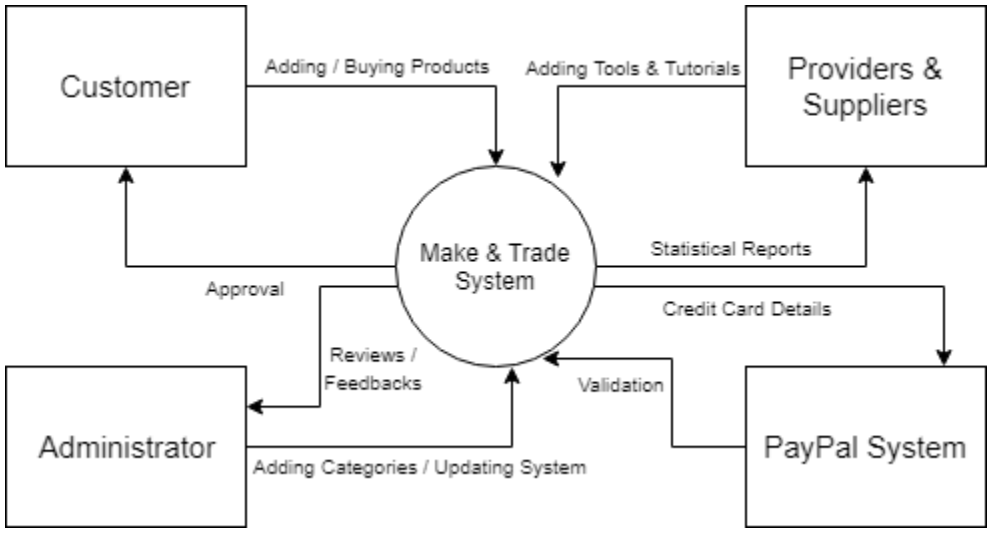
2.1. Introduction

Facility is number one in our site. Customers are going to search about anything related to handcraft products easily, and put whatever they want to buy in a checkout list. They will find materials, tools, tutorials, and videos provided by the suppliers and providers who have necessary roles, as suppliers will offer the required materials and tools for sale on the website, and the providers are going to upload videos and tutorials that would help many users to make such products.

Customers' feedbacks and reviews are valuable, so we care about them as they are sent to the Administrator and in return categories are organized and the system is updated usually.

Payment methods are also easy as we are going to deal using PayPal. As it will check the details of the credit card and will send a validation in return.

2.2. System Context Diagram (SCD)



2.3. Users

Admin user

They have specific permission for managing the system and its users.

General user

They are the users who will interact with the website.

Supplier user

This user is the one who adds tools, materials & tutorials.

2.4. Modules

1. **Registration module**
2. **Supplier module**
3. **Shopping module**
4. **Selling module**
5. **Tutorials module**
6. **Analytics and reporting**

3.System users

3.1Admin user

The administrators only interact with the web portal. They are managing the overall system so there is no incorrect information within it. The administrator can manage the information for each user as well as the options for both the products, tutorials and materials.

3.2General user

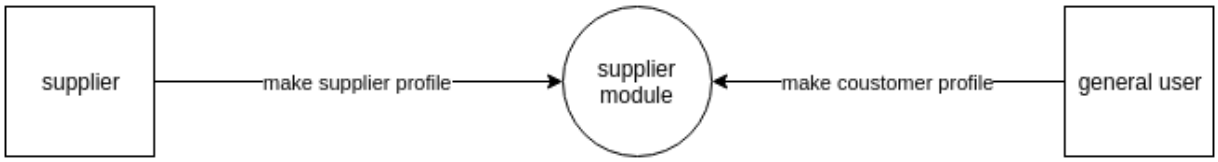
This user has access to registration module, he has to be authenticated to have access creation area, he will be able to add or sell products, he will view or upload tutorials and be able to buy materials.

3.3Supplier user

This user will be able to provide materials, tools, videos and tutorials. He sells tools and materials on the website. He receives statistical reports based on customers' feedbacks and reviews. He also has general user's features.

4.System Modules

4.1. Registration module



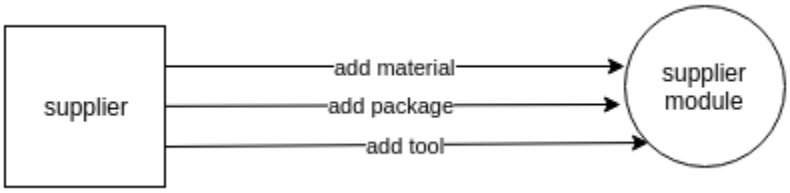
This module includes creating two types of accounts:

- General user account: Type of account which can access all function in shopping module.

- Supplier account: Paid account which can access both supplier and shopping module, Admins can approve users after payment confirmation.

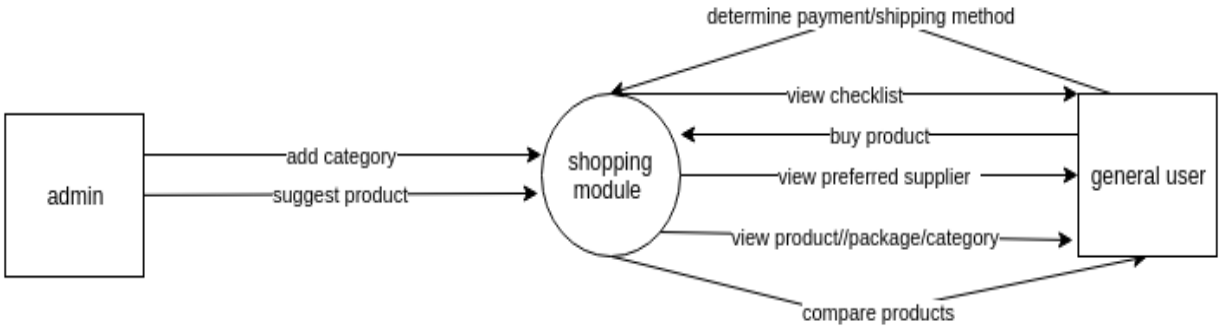
Both users can make their own profile with their information and profile picture.

4.2. Supplier module



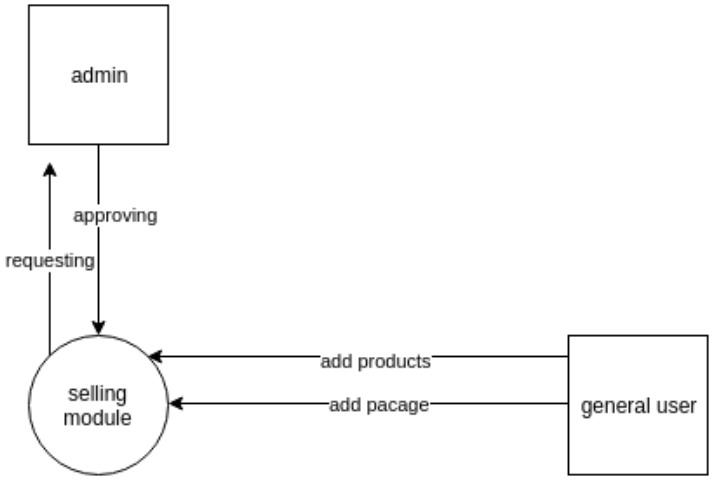
In this module supplier account will be able to provide materials, tools, videos and tutorials. He sells tools and materials on the website. He receives statistical reports based on customers' feedbacks and reviews. He also has general user's features.

4.3. Shopping module



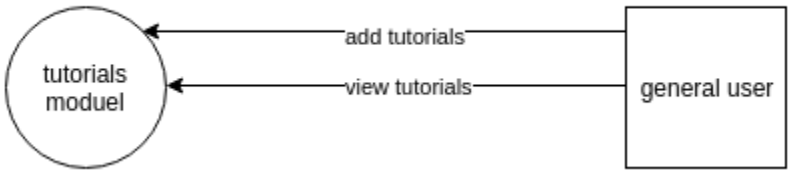
In this module both general user account and supplier account will have access to all products, materials and tools, certain page will show all products that belong to certain Category, user can search by certain product, filter by price and view reviews for products. This module also includes adding products to cart or wish list, and making order.

4.4. Selling module



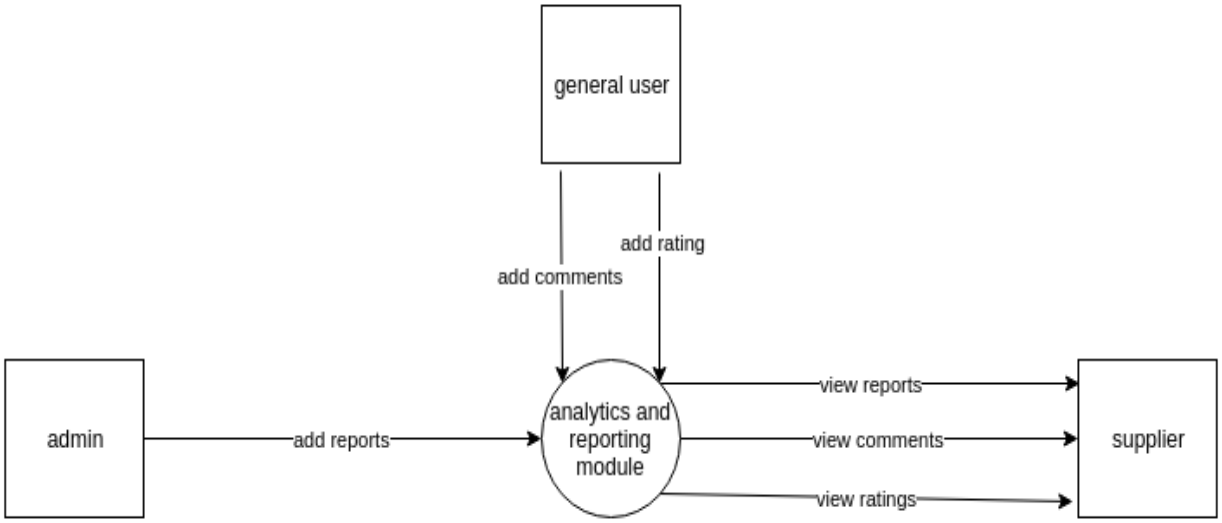
In this module both general user account and supplier will have access to add any hand made products with description and photos, They also can view orders which contain their products,Other general users can add comments and review this item.

4.5. Tutorials module



This part of our website will contain videos and instructions that will help users in making their own handmade products.

4.6. Analytics and reporting



This module integrates customers' feedbacks and reviews on tools and materials, in order to grant statistical reports to the supplier user.

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5.System Functions

5.1. Registration Module Functions

Make Supplier Profile Module Function

Description: used by supplier user to Make his profile

Inputs: name, mail, profile picture, mobile, Password.

Outputs: save Supplier's Data and make his profile.

Pre-conditions:

Post-conditions: All inputs are valid.

Make customer Profile for his activities Module Function

Description: used by customer user to Make his profile

Inputs: name, mail, profile picture, mobile, Password.

Outputs: save customer's data, his activities and make his profile.

Pre-conditions:

Post-conditions: All inputs are valid.

5.2. Supplier Module Functions

Add Material Module Function

Description: used by supplier user to add materials.

Inputs: name, type, price, stock number, photo and description.

Outputs: saving material in database.

Pre-conditions: Supplier is approved by administrator and has an ID.

Post-conditions: All inputs are valid.

Add package Module Function

Description: used by supplier user to add package of products

Inputs: name, type, price, category of package, number of products , price of each product, photos and description.

Outputs: saving material in database.

Pre-conditions: Supplier is approved by administrator and has an ID.

Post-conditions: All inputs are valid.

Add Tool Module Function

Description: used by supplier user to add tools.

Inputs: name, type, price, stock number, photo and description.

Outputs: saving tool in database.

Pre-conditions: Supplier is approved by administrator and has an ID.

Post-conditions: All inputs are valid.

5.3. Shopping Module Functions

View Category Module Function

Description: used by general user to view products in a category.

Inputs: name.

Outputs: displaying products of the category.

Pre-conditions: user is approved by administrator and has an ID.

Post-conditions: name is valid.

View preferred suppliers Module Function

Description: used by general user to view preferred suppliers in a category.

Inputs: name and list of their suppliers

Outputs: displaying preferred suppliers of the category.

Pre-conditions: user is approved by administrator and has an ID.

Post-conditions: name is valid.

View packages Module Function

Description: used by general user to view packages in a category.

Inputs: name.

Outputs: displaying packages of each category.

Pre-conditions: user is approved by administrator and has an ID.

Post-conditions: name is valid.

View product Module Function

Description: used by general user to view product..

Inputs: name, category

Outputs: displaying product

Pre-conditions: user is approved by administrator and has an ID.

Post-conditions: name or category is valid.

Buy product Module Function

Description: used by general user to view product.

Inputs: product

Outputs: displaying product in checklist

Pre-conditions: user is approved by administrator and has an ID.

Post-conditions: product is valid.

Add Category Module Function

Description: used by admin user to add products.

Inputs: name, type, photo, products names, and description.

Outputs: saving category in database.

Pre-conditions: logged in as admin.

Post-conditions: All inputs are valid.

Suggest products Module Function

Description: used by general user to suggest products to him in the chosen category

Inputs: name

Outputs: displaying suggested products in suggestion area

Pre-conditions: user is approved by administrator and has an ID.

Post-conditions: products are available.

View checklist Module Function

Description: used by general user to view product he decided to buy.

Inputs: name

Outputs: displaying products in shipping area

Pre-conditions: user is approved by administrator and has an ID.

Post-conditions: products are available.

Compare product Module Function

Description: used by general user to compare products together

Inputs: name of products

Outputs: displaying products together

Pre-conditions: user is approved by administrator and has an ID.

Post-conditions: products are available.

Determine payment method Module Function

Description: used by general user to determine the shipping method he wants

Inputs: name

Outputs: saving order into database.

Pre-conditions: user is approved by administrator and has an ID.

Post-conditions: products are available.

Determine shipping method Module Function

Description: used by general user to determine the shipping method he wants

Inputs: name

Outputs: producing into payment area

Pre-conditions: user is approved by administrator and has an ID.

Post-conditions: products are available.

5.4. Selling Module Functions

Add Product Module Function

Description: used by general user (seller) to add products.

Inputs: name, type, price, stock number, photo and description.

Outputs: saving product in database.

Pre-conditions: user is approved by administrator and has an ID.

Post-conditions: All inputs are valid.

Add Package Module Function

Description: used by general user (seller) to add package of products.

Inputs: name, type, price of package and products, number of products, photo and description.

Outputs: saving package in database.

Pre-conditions: user is approved by administrator and has an ID.

Post-conditions: All inputs are valid.

5.5. Tutorials Module Functions

Add Tutorial Module Function

Description: used by supplier user to add tutorials.

Inputs: name, type, price, stock number, photo and description.

Outputs: saving tutorial in database.

Pre-conditions: Supplier is approved by administrator and has an ID.

Post-conditions: All inputs are valid.

5.6. Analytics and Reporting Module Functions

View Report Module Function

Description: used by supplier user to view statistical reports.

Inputs: name.

Outputs: statistical reports.

Pre-conditions: Supplier is approved by administrator, has an ID.

Post-conditions: name is valid.

View comment on products Module Function

Description: used by general user to add comment about products.

Inputs: name.

Outputs: view comments

Pre-conditions: user is approved by administrator, has an ID.

Post-conditions: name is valid.

View rates on products Module Function

Description: used by general user to add rates about products.

Inputs: name.

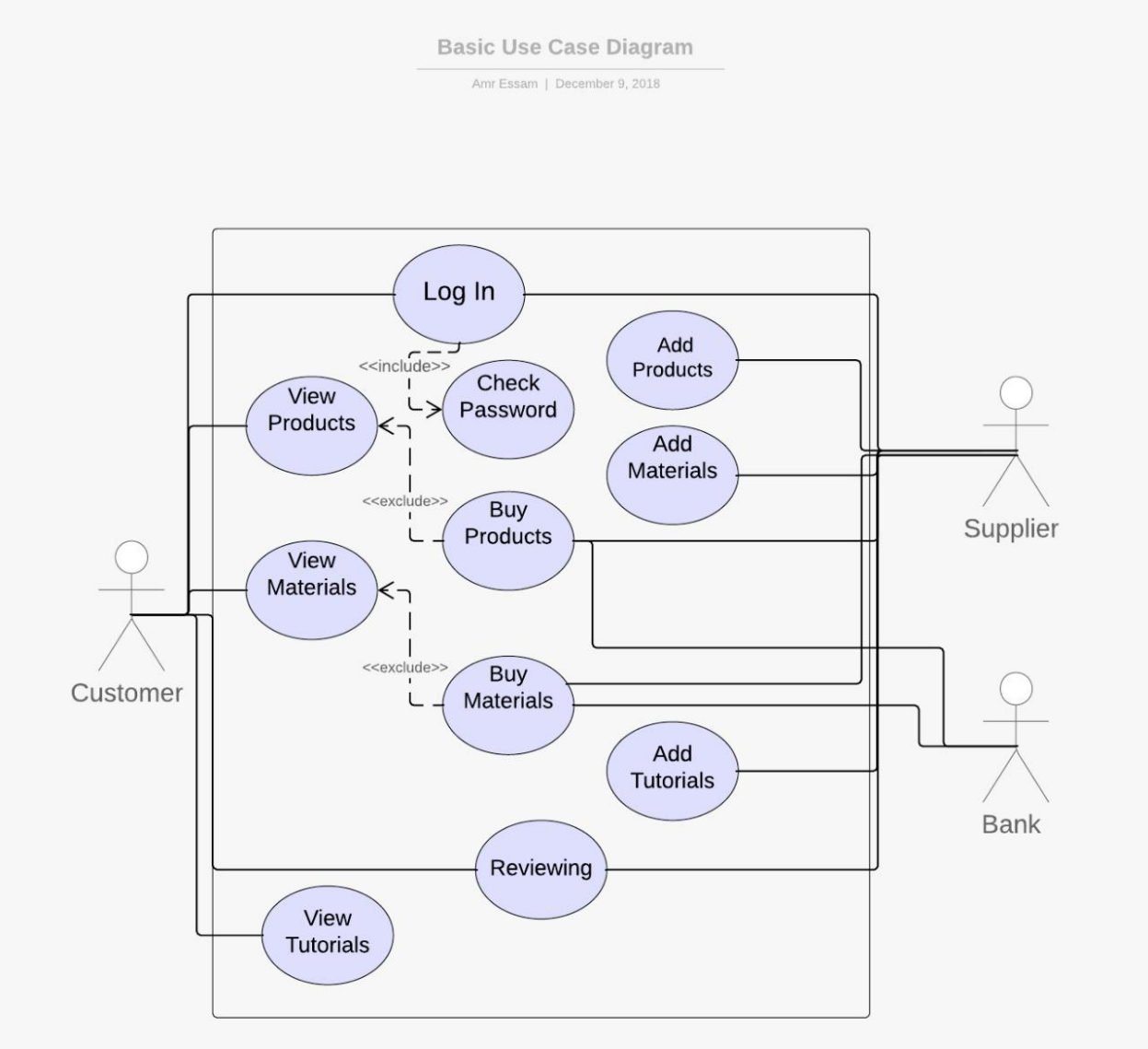
Outputs: view rates

Pre-conditions: user is approved by administrator, has an ID.

Post-conditions: name is valid.

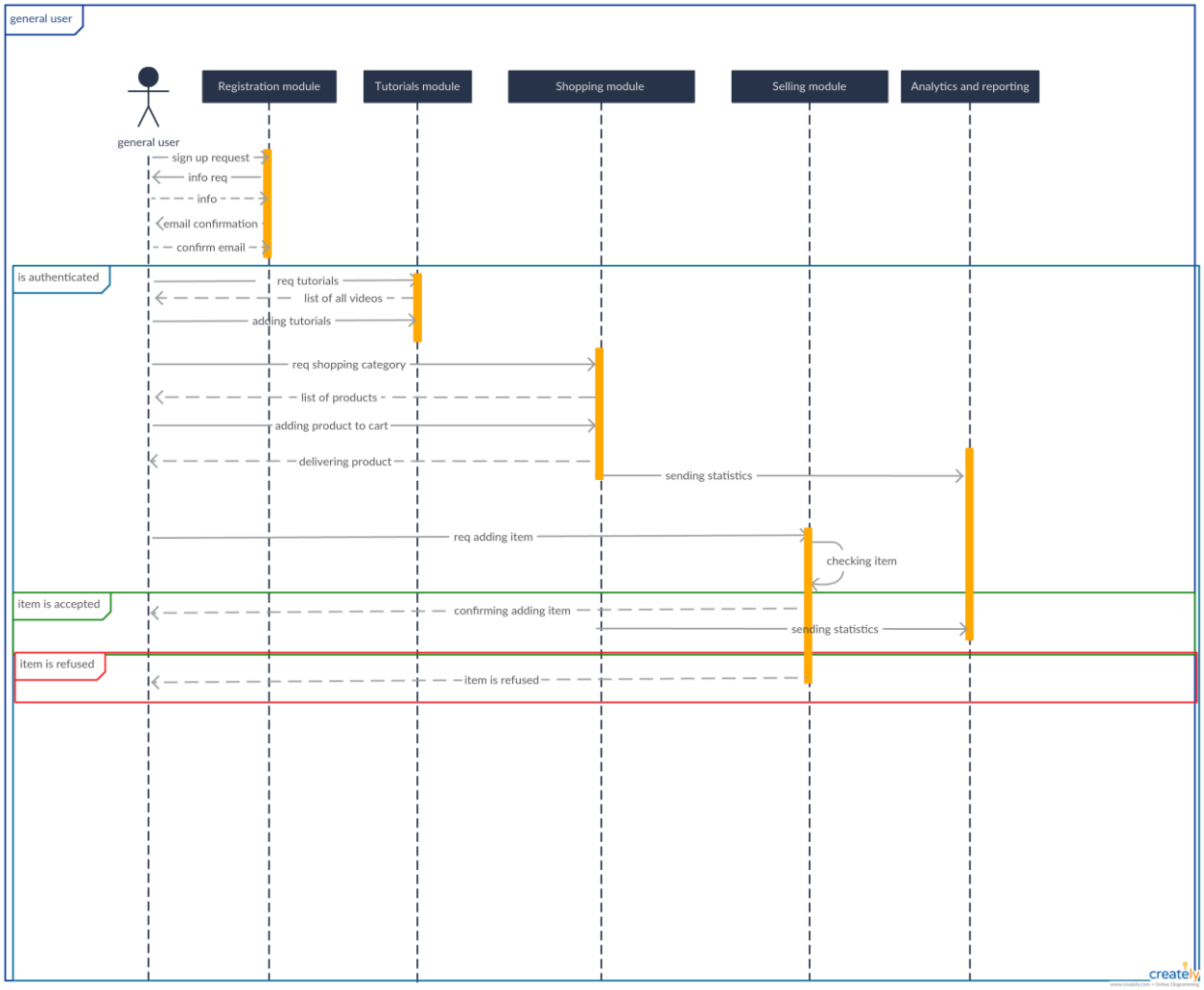
6.System Models

6.1Use case diagram

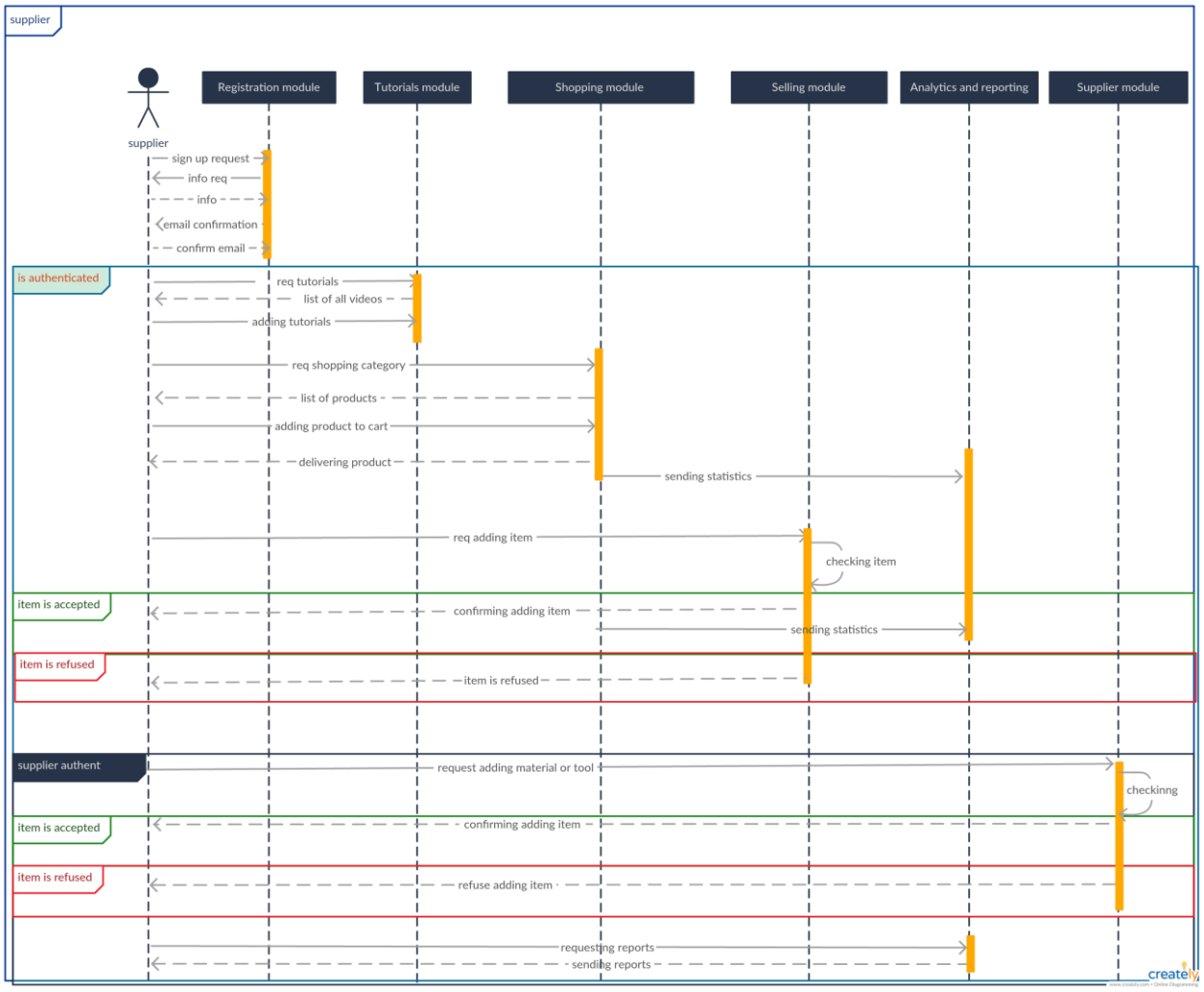


6.2Sequence Diagrams

6.2.1 General user



6.2.2 Supplier user



7.Non-Functional Requirements

Security Requirements

Passwords should be to standard of Django forms

Usability Requirements

The site does not target any specific group and its usage does not require any specific set of skills.

Performance Requirements

The required response time of site has not been determined

Technology Requirements

The website is compatible with laptop and mobile system

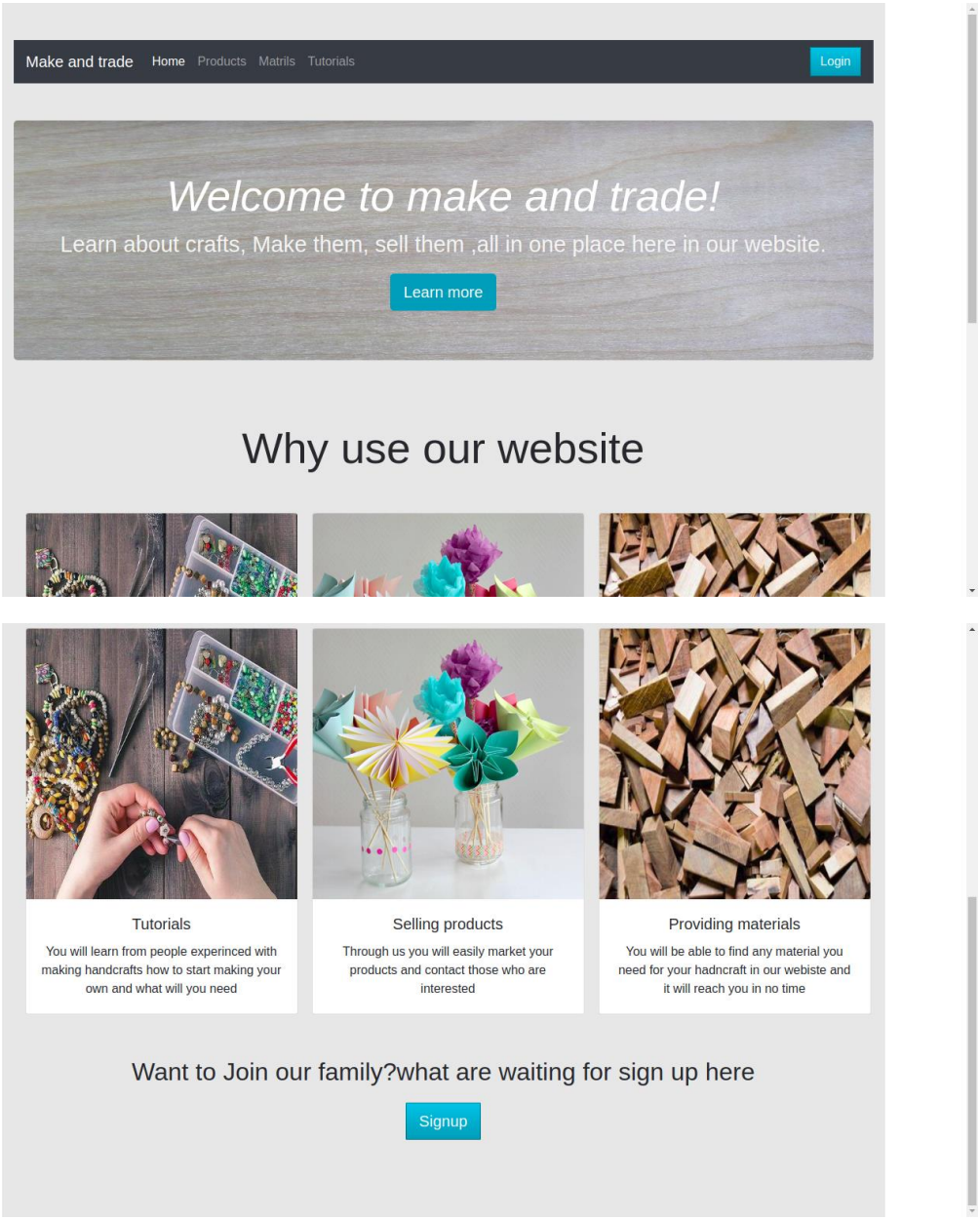
Development Requirements

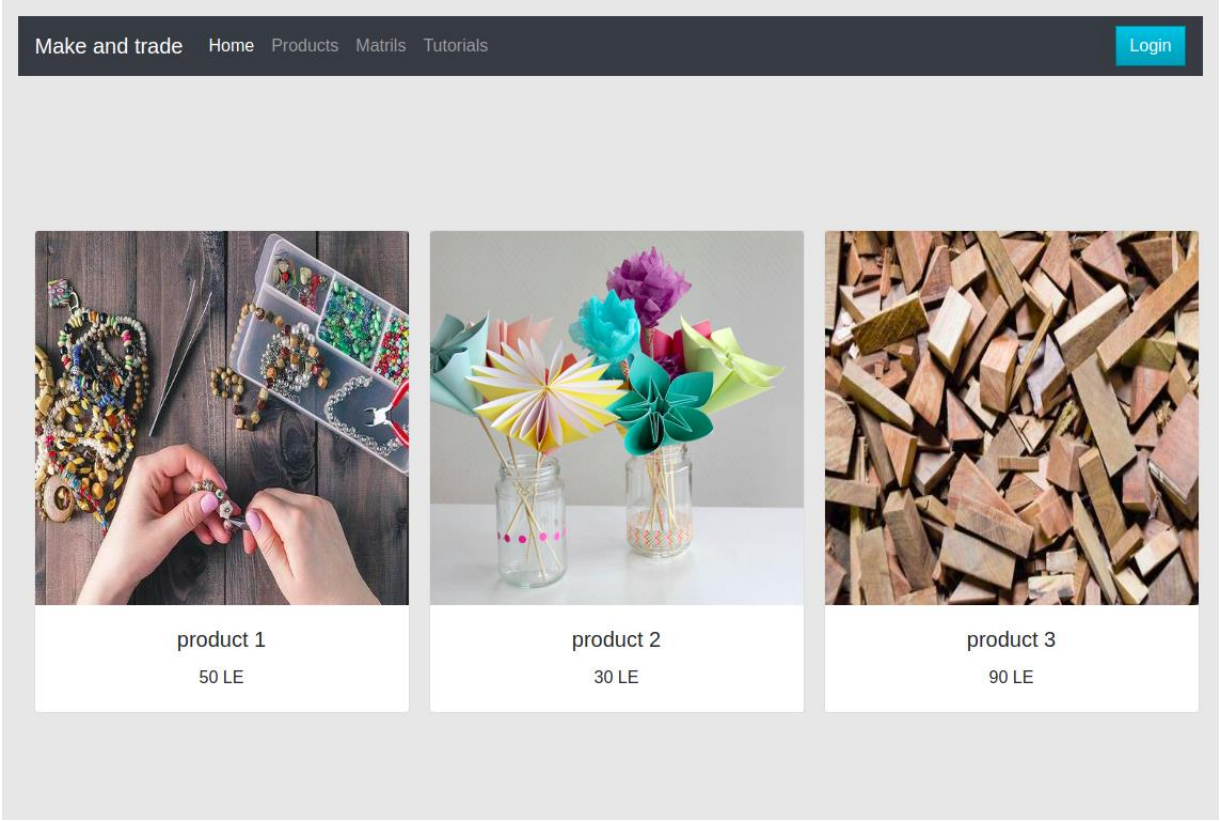
The website is developed by bootstrap and Django

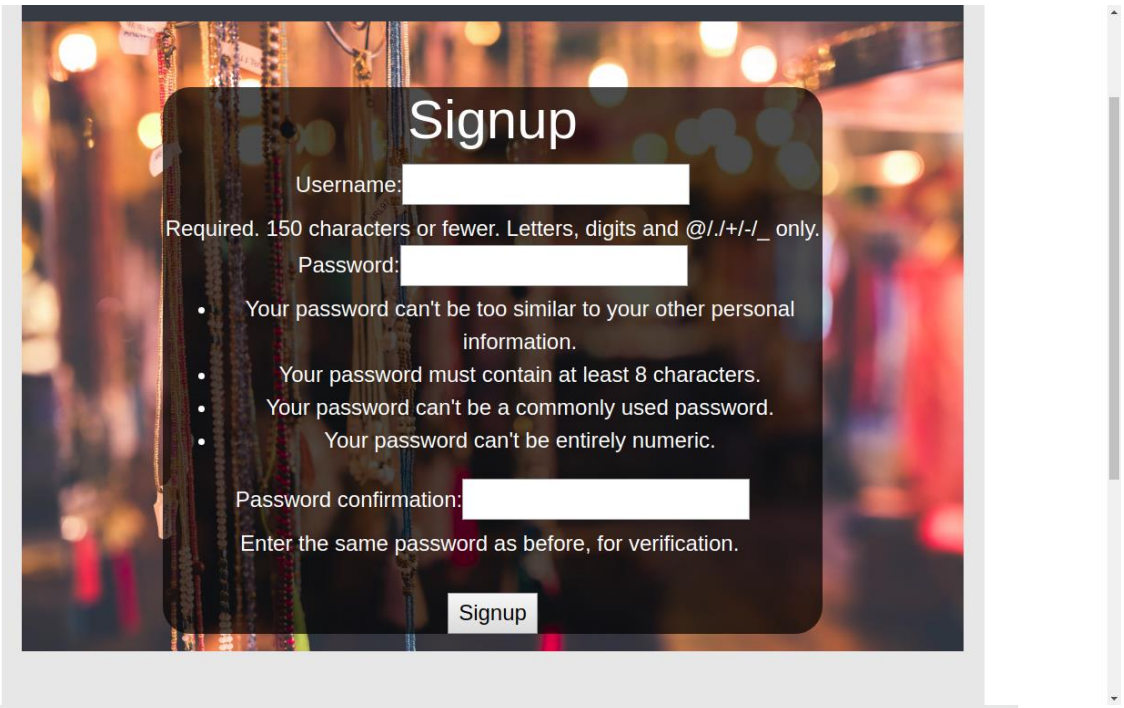
Delivery Requirements

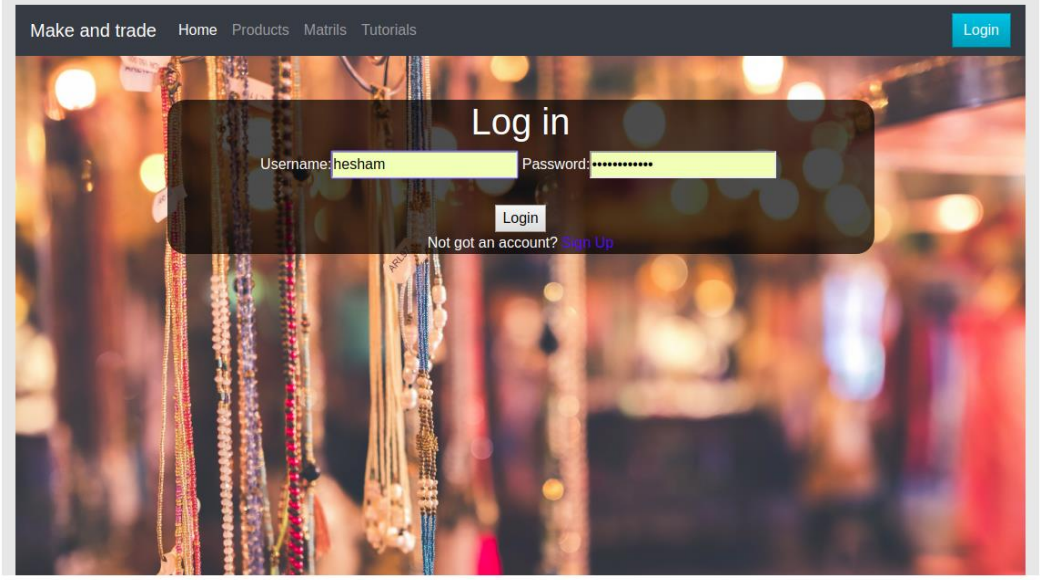
The website should be ready before 10 February 2019

8. System Interfaces




Make and trade
Home
Products
Matrils
Tutorials
Login
product 1
50 LE
product 2
30 LE
product 3
90 LE


Signup
Username:
Required. 150 characters or fewer. Letters, digits and @/./+/-/_ only.
Password:
Your password can't be too similar to your other personal information.
Your password must contain at least 8 characters.
Your password can't be a commonly used password.
Your password can't be entirely numeric.
Password confirmation:
Enter the same password as before, for verification.
Signup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Home
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Log in
Username: hesham
Password:
Login
Not got an account? Sign Up