



# 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

Have you ever thought of making handmade crafts in your home but was discouraged because you did not know how to move on with the idea?

Will worry no more for in our website you will find everything you need from the materials you need to learning to marketing we will be able to guide you to make your own handmade craft.

Make and trade website is created for those people who wants to work from their home and also those who wants to buy products with low prices.

This website contain all materials and all videos that will guide to make awesome products, after making this handmade products you can add it to our shopping section.

## 1.2. Document overview

This document is SRS for an e-shop project. SRS stands for software requirements specifications, it starts with stating all types of users that can interact with our project and role of each user. then we

mention all modules that our system has followed by detailed description of this modules ,this modules are a group of functions that aims for certain topic.

Thus in next section we explain in details each function stating all this inputs, outputs, actors, pre-conditions, post conditions, and description.

Finally this document shows diagrams describing how this system works.

### 1.3. Abbreviations and Terminologies

Abbreviations	Meaning
HTML	Hyper Text Markup Language
admin	administrator

### 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

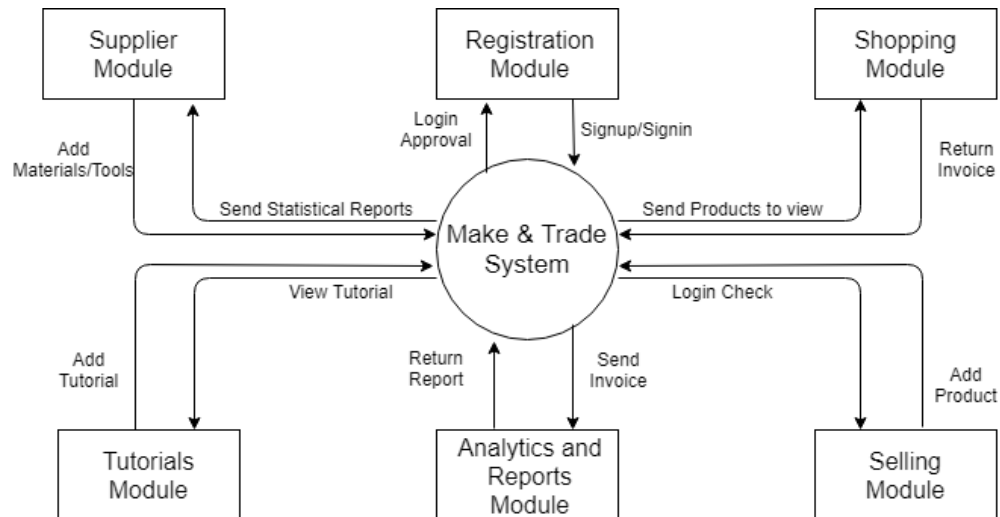
### 2.1. Introduction

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



## 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

### 3.1 Admin 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.

### 3.2 General user

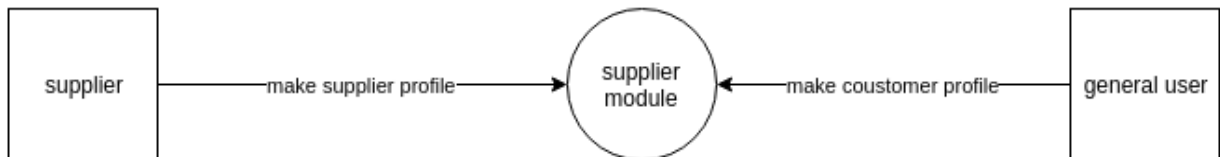
This user has access to registration module, he has to be authenticated to have access creation area, he will be able to add or sell products, he will view or upload tutorials and be able to buy materials.

### 3.3 Supplier 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:**

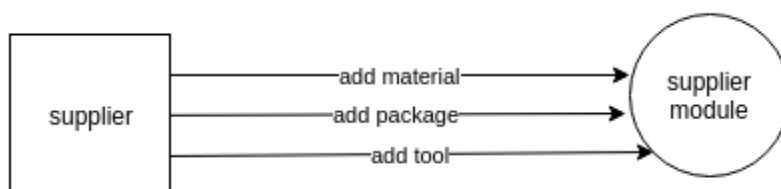
Type of account which can access all function in shopping module.

- **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.

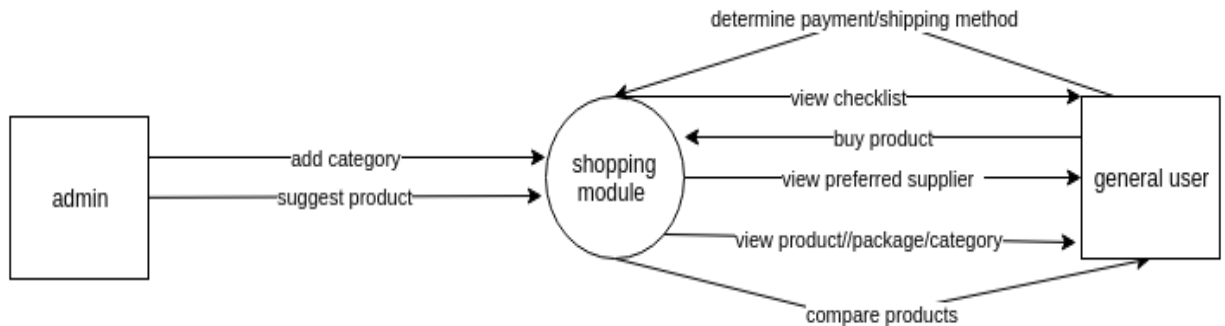
### 4.2. Supplier module



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

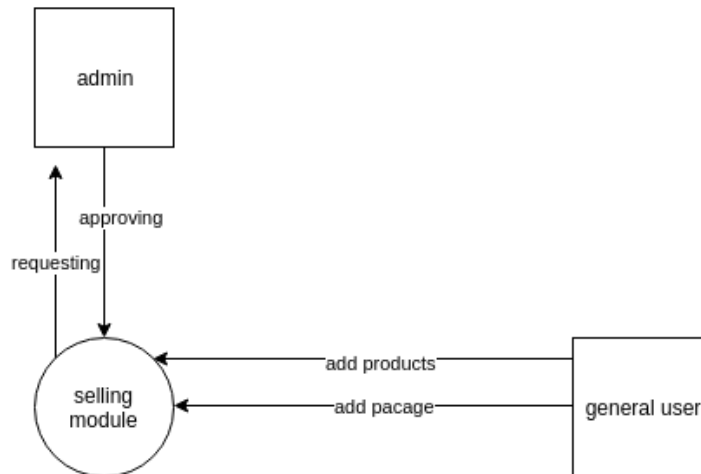
statistical reports based on customers' feedbacks and reviews. He also has general user's features.

### 4.3. Shopping module



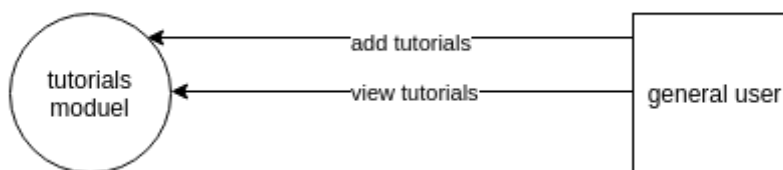
In this module both general user account and supplier account will have access to all products, materials and tools, certain page will show all products that belong to certain Category, user can search by certain product, filter by price and view reviews for products. This module also includes adding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

#### 4.4. Selling module



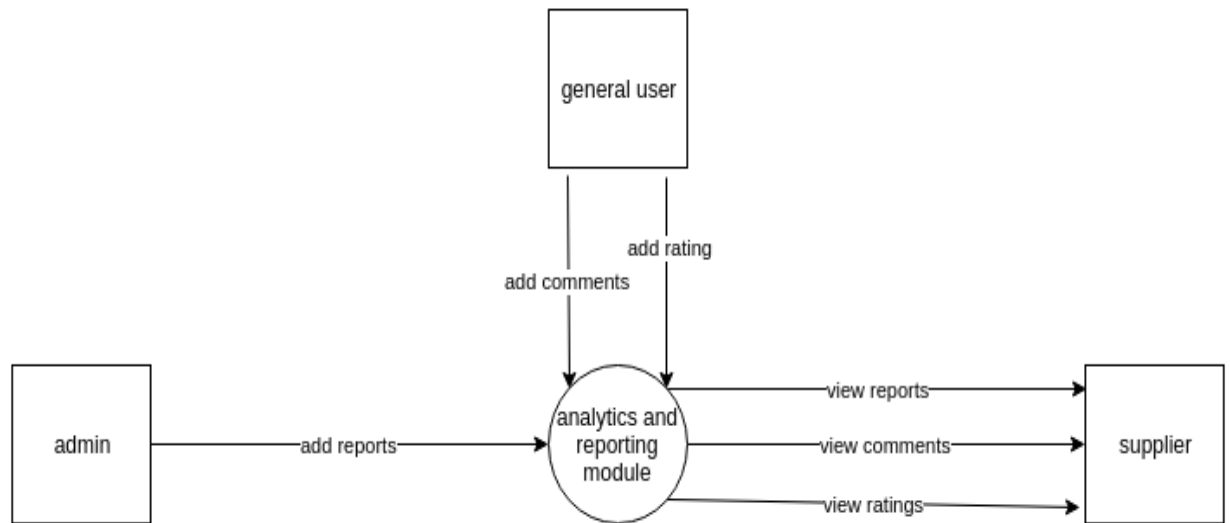
In this module both general user account and supplier will have access to add any hand made products with description and photos, They also can view orders which contain their products, Other general users can add comments and review this item.

#### 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.

## 5. System Functions

### 5.1. Registration Module Functions

#### Supplier Profile Module Function [SP\_R\_1]

Description: supplier can request making account in make and trade website, hence he can make his own profile.

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

Outputs: showing success message.

Pre-conditions: supplier had paid for this access and all inputs are valid.

Post-conditions: he has access to add materials on our website.

#### Customer Profile Module Function [CP\_R\_2]

Description: used by customer user to make his profile

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

Outputs: showing success message.

Pre-conditions: all inputs are valid.

Post-conditions: he has access to add products and buy materials.

### 5.2. Supplier Module Functions [S\_R\_3]

#### Add Material Module Function

Description: used by supplier user to add materials.

Actors: supplier.

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

Outputs: showing preview for this item.

Pre-conditions: user has supplier's access and item is approved by admin.

Post-conditions: item is added on make and trade website.

### **Add Package Module Function [AP\_R\_4]**

Description: used by supplier user to add package of products.

Actors: supplier.

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

Outputs: showing preview for this package.

Pre-conditions: user has supplier's access and item is approved by admin.

Post-conditions: package is added on make and trade website.

### **Add Tool Module Function [AT\_R\_5]**

Description: used by supplier user to add tools.

Actors: supplier.

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: tool is added on make and trade website.

## **5.3. Shopping Module Functions**

### **View Products Category Module Function [VPC\_S\_1]**

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

Actor: general user.

Inputs: name of required products' category.

Outputs: displaying products of the category.

Pre-conditions: user is logged in.

Post-conditions: non.

### **Search Product Module Function [SP\_S\_2]**

Description: user can search for certain Product.

Actor: general user.

Inputs: name for searching.

Outputs: viewing list of all products that match searching name.

Pre-conditions: user is logged in.

Post-conditions: non.

### **View Materials/Tools Category Module Function [VMTC\_S\_3]**

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

Actor: general user.

Inputs: name of Materials' Category.

Outputs: displaying all materials in certain category.

Pre-conditions: user is logged in.

Post-conditions: non.

### **View Materials/Tools of preferred suppliers Module Function**

#### **[VMTPS\_S\_3]**

Description: user can select certain supplier to view all materials added by him.

Actor: general user.

Inputs: name of required supplier.

Outputs: list of materials added by certain supplier.

Pre-conditions: user is logged in.



Post-conditions: non.

### **Search Materials/Tools Module Function [SMT\_S\_4]**

Description: user can search for certain material or tool.

Actor: general user.

Inputs: name for searching.

Outputs: viewing list of all materials or tools that match searching name.

Pre-conditions: user is logged in.

Post-conditions: non.

### **View packages Module Function [VP\_S\_5]**

Description: used by general user to view packages added by supplier in a certain category. This package may contain materials and tools for certain type of handmade products

Actor: general user.

Inputs: name of category and request group by package.

Outputs: displaying packages of certain category.

Pre-conditions: user is logged in.

Post-conditions: non.

### **View cart Module Function [VC\_S\_6]**

Description: used by general user to view product he decided to buy, he can add or remove anything in the shopping cart. our website will automatically calculate total cost. This cost includes cost of the products plus shipping cost depending on shipping location.

Actor: general user.

Inputs: non.

Outputs: displaying products in cart.

Pre-conditions: user is logged in.

Post-conditions: non.

### **Add To Cart Module Function [AC\_S\_7]**

Description: user can add selected materials, products or tools to cart.

Actor: general user.

Inputs: select required materials, tools or products.

Outputs: success message.

Pre-conditions: user is logged in and has valid payment method.

Post-conditions: if credit is sufficient, item is added to cart.

### **Add Category Module Function [AC\_S\_8]**

Description: used by admin user to add category.

Actor: admin.

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

Outputs: non.

Pre-conditions: logged in as admin.

Post-conditions: new category is added to data base.

### **Compare products Module Function [CP\_S\_9]**

Description: used by general user to compare products together.

Actor: general user.

Inputs: select two products or more.

Outputs: displaying comparison table between those products.

Pre-conditions: user is logged in.

Post-conditions: non.

### **Determine payment method Module Function [DPM\_S\_10]**

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

Actor: general user.

Inputs: payment method.

Outputs: showing success alert.

Pre-conditions: user is logged.

Post-conditions: setting payment method.

### **Determine shipping method Module Function [DSM\_S\_11]**

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

Actor: general user.

Inputs: shipping method and required location.

Outputs: showing success alert.

Pre-conditions: user is logged in.

Post-conditions: setting shipping method.

## **5.4. Selling Module Functions**

### **Add Product Module Function [AP\_S\_1]**

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

Actor: general user.

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

Outputs: showing success alert.

Pre-conditions: user is logged in.

Post-conditions: product is added to data base.

### **Add Package Module Function [AP\_S\_2]**

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

Actor: general user.

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

Outputs: showing success alert.

Pre-conditions: user is logged in.

Post-conditions: saving package in database.

## **5.5. Tutorials Module Functions**

### **Add Tutorial Module Function [AT\_T\_1]**

Description: user can add a video to describe how to make certain handmade product, he must mention the requirements to make this produce and estimated selling price.

Actor: admin general user, and supplier.

Inputs: video and requirements.

Outputs: success message.

Pre-conditions: user is logged in.

Post-conditions: saving tutorial in database if video is approved.

### **View Tutorials Module Function [VT\_T\_2]**

Description: user can view all tutorials.

Actor: general user.

Inputs: non.

Outputs: viewing list of all tutorials.

Pre-conditions: user is logged in.

Post-conditions: non.

### **Search Tutorial Module Function [ST\_T\_3]**

Description: user can search for certain tutorial.

Actor: general user.

Inputs: name for searching.

Outputs: viewing list of all tutorials that match searching name.

Pre-conditions: user is logged in.

Post-conditions: non.

## **5.6. Analytics and Reporting Module Functions**

### **View Report Module Function [VR\_AR\_1]**

Description: user can view reports and statistics for their products, this reports should include number of customers, comments and overall rating for each product.

Actor: supplier.

Inputs: non.

Outputs: statistical reports.

Pre-conditions: user has supplier account.

Post-conditions: non.

### **Add Comments Module Function [AC\_AR\_2]**

Description: used by general user to add comments on products.

Actor: general user.

Inputs: text.

Outputs: view comments

Pre-conditions: user is logged in.

Post-conditions: comment is posted.

### **Add Rates Module Function [AR\_AR\_3]**

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

Actor: general user.

Inputs: rating number.

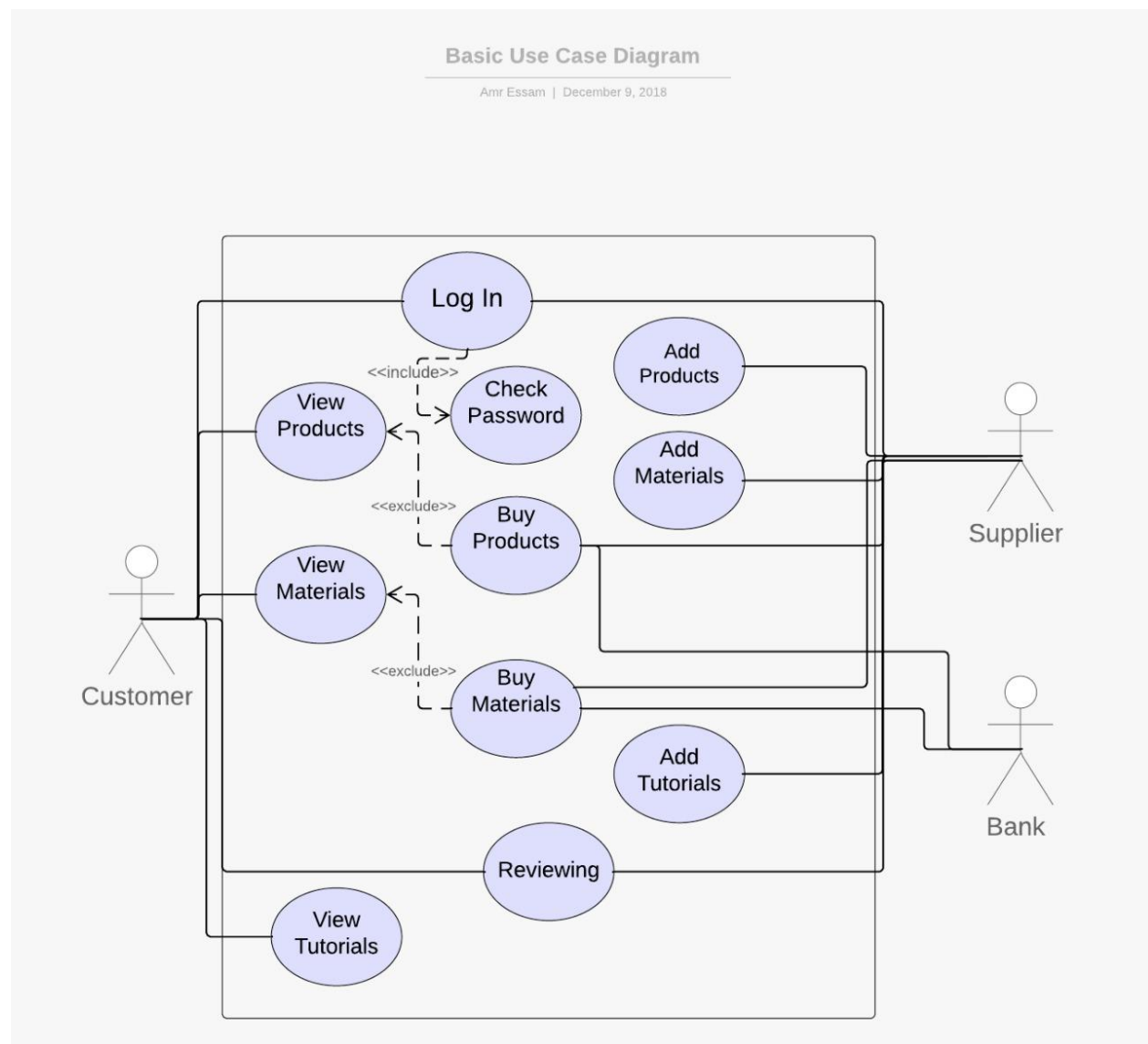
Outputs: non.

Pre-conditions: user is logged in.

Post-conditions: overall rating is calculated.

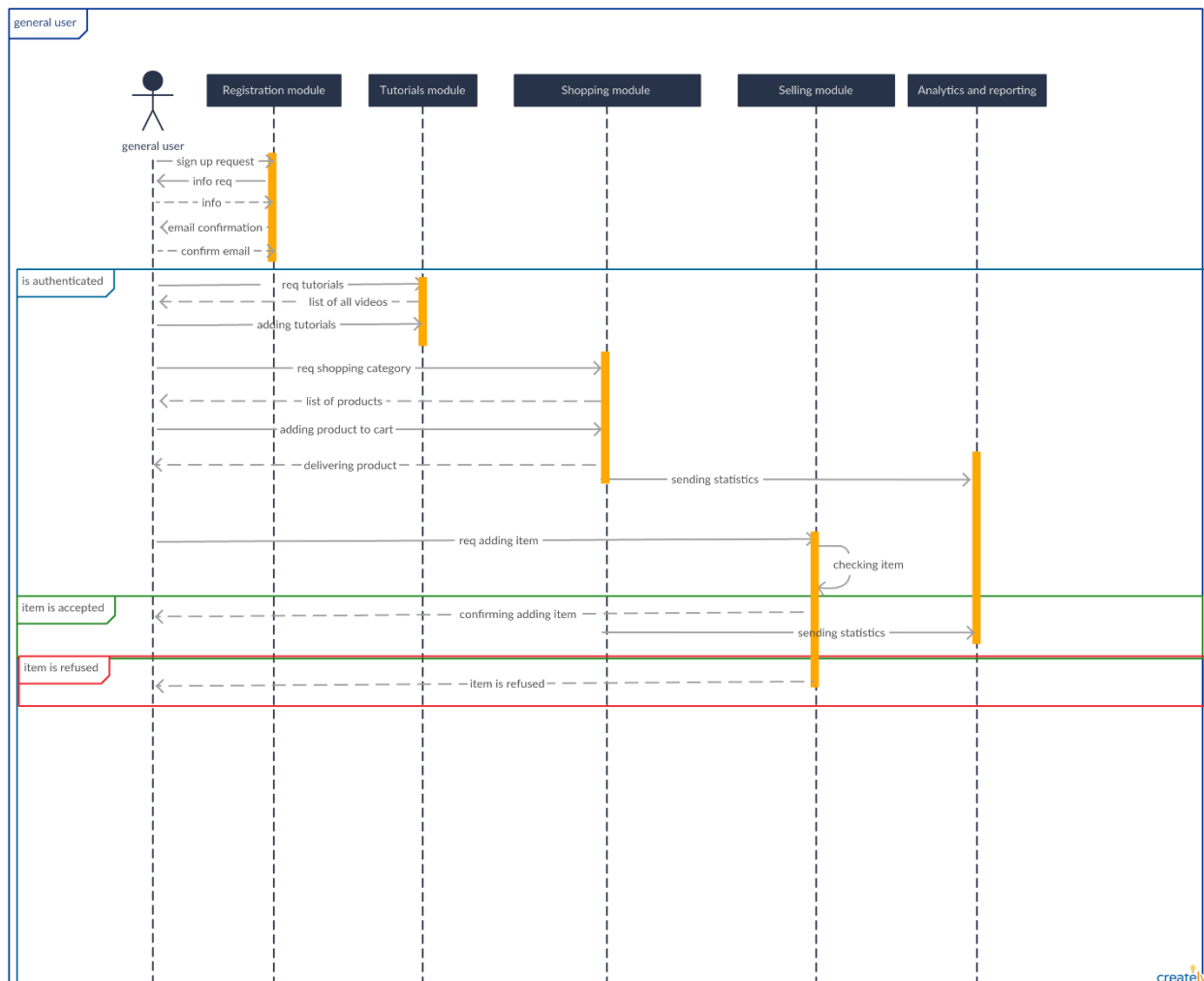
## 6.System Models

### 6.1Use case diagram



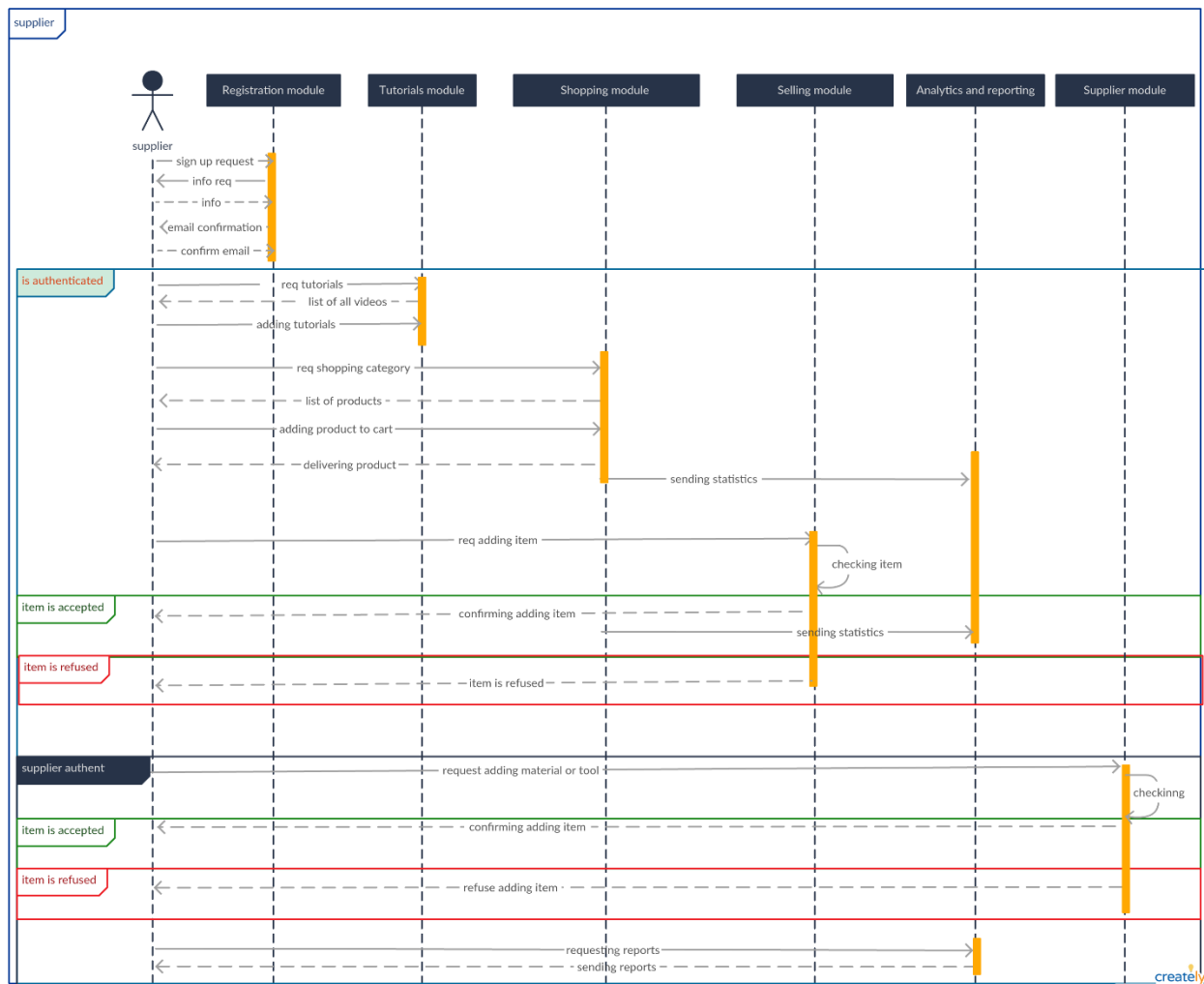
## 6.2 Sequence Diagrams

### 6.2.1 General user





## 6.2.2 Supplier user



## 7.Non-Functional Requirements

### **Security Requirements [SR\_1]**

Passwords should be to standard of Django forms

### **Usability Requirements [UR\_2]**

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

### **Performance Requirements [PR\_3]**

The required response time of site has not been determined

### **Technology Requirements [TR\_4]**

The website is compatible with laptop and mobile system

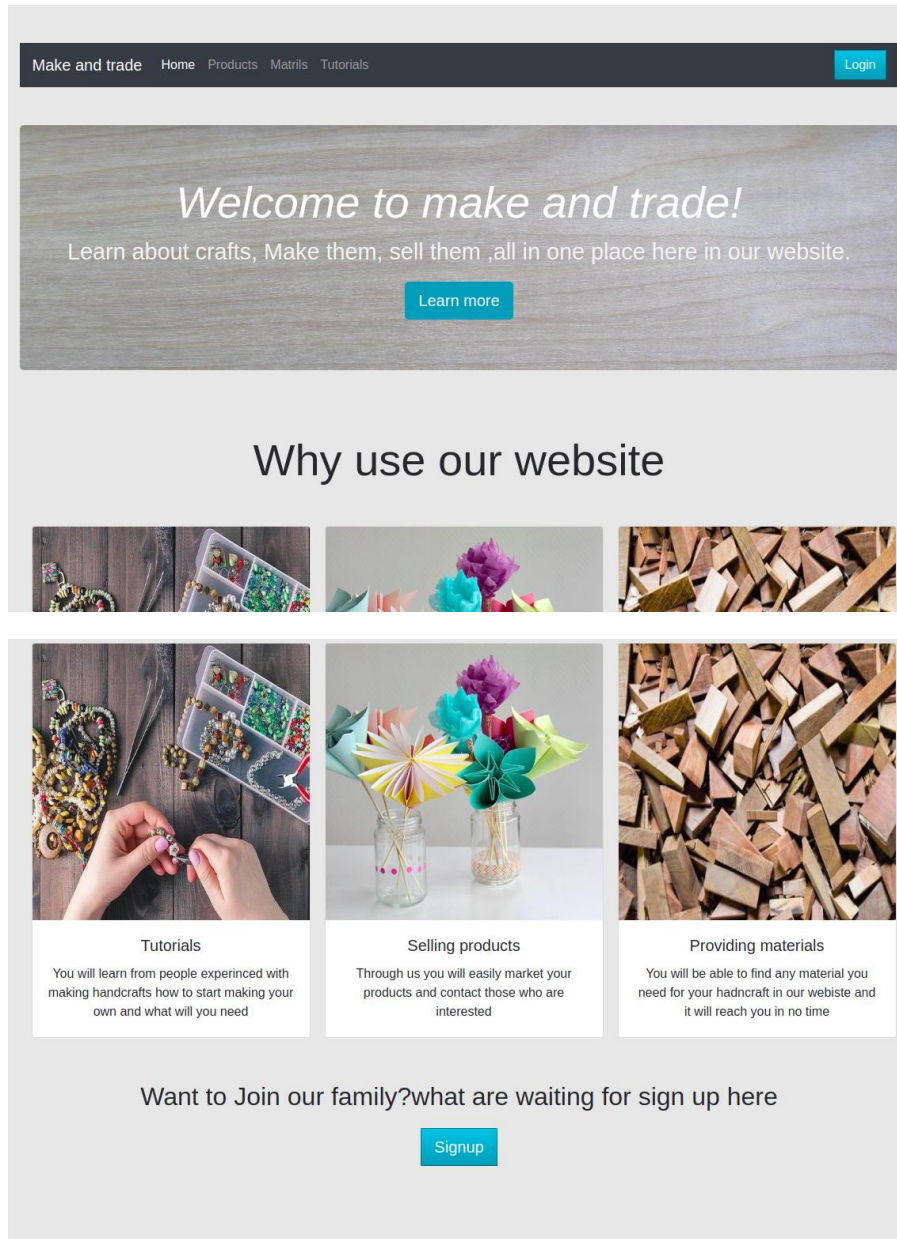
### **Development Requirements [DvR\_5]**

The website is developed by bootstrap and Django


### **Delivery Requirements [DeR\_6]**

The website should be ready before 10 February 2019


## 8. System Interface




[Make and trade](#) [Home](#) [Products](#) [Materials](#) [Tutorials](#) [Login](#)



product 1  
50 LE



product 2  
30 LE



product 3  
90 LE

The top screenshot displays the 'Signup' form. It features a dark semi-transparent overlay with the title 'Signup' in white. Below the title, there are input fields for 'Username' and 'Password'. The 'Username' field has a note: 'Required. 150 characters or fewer. Letters, digits and @/./+/-/\_ only.' The 'Password' field is followed by a list of four requirements: '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.', and 'Your password can't be entirely numeric.' Below these is a 'Password confirmation' field with the instruction 'Enter the same password as before, for verification.' At the bottom of the form is a 'Signup' button.

The bottom screenshot displays the 'Log in' form. It features a dark semi-transparent overlay with the title 'Log in' in white. Below the title, there are input fields for 'Username' (containing 'hesham') and 'Password' (masked with dots). Below these fields is a 'Login' button. At the bottom of the form, there is a link: 'Not got an account? [Sign Up](#)'.

Both screenshots show a navigation bar at the top with the text 'Make and trade' and links for 'Home', 'Products', 'Matrils', and 'Tutorials'. A 'Login' button is also visible in the top right corner of the navigation bar.