

1. Introduction

This system should be able to make customers buy furniture easily .it should provide shipping methods for customers .it should provide payment methods with the usage of payment systems .

2. Context Diagram



3. User Requirements

- The system need to be fast
- easy to use
- has a simple interface
- should categorise the products
- search for products
- should have a refund method
- should have many payment methods
- should have many shipping methods
- should track the package

4. Functional Requirements

Authentication:

Description	it should handle the login and registration for the users
Requirements	user data(E-mail>Password,Address,PhoneNumber)
Source	user interface
Pre-condition	validate the data
Post-condition	enable the user to enter the system and make the user authentecated
Output	generate id for the user

SearchForProduct:

Description	it should search for a product by its specifications
Requirements	product (name,type)
Source	search interface
Pre-condition	validate the data
Post-condition	retrive the data of the products related to the search specifications
Output	display products related to the search specifications

MakeOrder:

Description	it should enable the user to make order
Requirements	productID,userID
Source	order interface
Pre-condition	check that user is Authenticated
Post-condition	generate the orderID
Output	display the order information

Payment:

Description	it should give the user options to pay
Requirements	payment method,card info,orderID
Source	payment interface
Pre-condition	validate card info
Post-condition	generate transactionID
Output	display the transaction

shipping:

Description	it should give the user options to ship the package
Requirements	orderID,shipping method,address
Source	shipping interface
Pre-condition	validate address
Post-condition	confirm the address
Output	display the expected date for the package to arrive

5. Non-Functional Requirements

1-Security

Authentication:we must make sure of the parties attempting to access to the system if they are authorised or unauthoreised.

Authorisation:the system should authorise the admin to add and edit products and should authorise the users to buy products.

2-Useability

the user must be able to use the system after 2 hours of training.

people with no understanding for english must be able to use the product.

3-Efficiency

The screen refresh time shouldn't exceed 0.025 seconds.

Product size shouldn't exceed 25 MB.

4-Performance

The response time of buying a product shouldn't exceed 2 seconds.

5-Capacity

The system should handle at most 50.000 visitor.