Use Cases:

**2.1: Guest User enters the trading system**  
pre conditions:

* None

Post conditions:

* User is online as a Guest

Description:

This use case is triggered by a user entering the system.

**2.2: Guest User exits the trading system**pre conditions:

* User is Online

Post conditions:

* User is offline

Description:

Logged user exited the system.

**2.3:** **Guest User registers to the trading system**  
pre conditions:

* The Username is not already used

Post conditions:

* User name and password were added to subscribers table

Description:

Online guest user registers to the trading system, he enters username and password.  
The trading system checks the username validity, if valid the username and password are saved in the system's database, else invalid username message is sent to the user.

**2.4: Guest User logins to the trading system**  
pre conditions:

* No logged on users in current session

Post conditions:

* User is logged on

Description:  
Online Guest user enters his username and password to the trading system.  
The trading system checks if the username and password matches, if so the User is changes his state to logged on, else error message is sent to the user.

**2.5: Guest User asks to view a store and its products.**  
pre-conditions:

* None

Post conditions:

* None

Description:  
Online Guest user asks to see details about specific store by choosing a store he desires to see. The trading system processes his request and replies with all relevant details about the store and the products in the store.

**2.6: Guest User asks to search products in a store, the products can be filtered some parameters.**  
pre-conditions:

* None

Post conditions:

* Only data filtered by the parameters is presented.

Description:  
Online Guest user asks to see details about products in a store, the user can choose to filter products according to specific parameters such as price name and more, the trading system searches the store's inventory and returns only relevant products.

**2.7: Guest User asks to add products from a store to his shopping cart.**pre-conditions:

* The store's inventory contains all requested products.

Post conditions:

* The products have been added to the users old shopping cart.

Description:  
A Guest user asks to add products of some store to his store-cart, if the user has no store-cart to this store a new store-cart is added to his shopping-cart and the products are added to the store-cart. If the user already has store-cart to this store the products are added to it.

**2.8.1: Guest User asks to see his shopping cart.**  
pre-conditions:

* None

Post conditions:

* None

Description:  
Guest user asks to see his shopping-cart, the system processes his request and returns all of his store-carts.

**2.8.2: Guest User asks to edit his shopping-cart.**  
pre-conditions:

* None

Post conditions:

* The shopping cart has changed according to the user's request.

Description:  
Guest user asks to edit his shopping-cart, he requests to add or remove products from specific store-cart. If the user requested to increase the amount of products in his cart, the system checks if the store's inventory contains enough products.

**2.9: Guest User asks to purchase products**   
pre-conditions:

* None

Post conditions:

* The user's store-cart and store's inventory is updated according to the amount of purchased products.

Description:  
Guest User asks to buy products from a store. The system verifies all products are in the store's inventory. The system checks for discounts in the store according to its buying and discount policy and calculate the purchase price. The system transfers a payment request to the external payment systems and waits for its response. If the payment has been approved the user's store-cart and the store's inventory are updated.