



SANAD

Application

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يقول ﷺ: والله في عون العبد ما كان
العبد في عون أخيه.

abstract

Sanad is a charitable application. The idea of the application is that the donor gives us the pieces they want to donate and we will prepare , clean and fix them if needed, then we photograph and display them in our application.

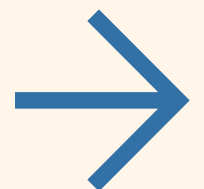
After that, the person in need browses the available pieces and adds what they want in the basket . Then , after they check out we hand it to them .



The problem



There are many charities in the kingdom of Saudi Arabia, therefore the basic necessities might be distributed in these different charities and not focused on limited ones. Also, the person in need feel embarrassed and uncomfortable going to charities and due to that they might not get all what they need . And often times the person in need might not have transportation vehicles.



An application that acts as an intermediary between charities, donors and people in need to reach the largest number of them to fulfill their basic needs with cleanliness and quality by receiving it from the donor and delivering it to the person in need.



The proposed solution

SANAD's Domain and limitation



System requirements

-functional-

log in

The system must ask the user to enter the username with 8 digit and password must contain small+capital letters to log in.

delivery

The system should send the clothes and deliver it to the customer by the volunteer work with sanad application

Donation request for donor

the donor sends the request to donate clothes to join + represent it in sanad application.

repair the damaged

The system must repair the damaged clothes by volunteer

search

The system should allow the customer to search for clothes to find and choose what he want

System requirements

-nonfunctional-

easy to download

The system shall be free.
And should be available for all operating systems such as iOS, Android, etc..

easy to use

The users shall be able to browse the system and choose any Procedure easily any time.

available

The system should be available and should be organized in a way that users' errors are minimized.
And The user shall be able to cancel the order before 3 hours from the delivery time.

secure

The system shall have a high-security level.
And should be protected information for donors and people in need.

Performance

The system should not take more than 2 minutes to confirm the Procedure

Use case diagram



Main use case scenarios

Use case 1 : Login

Goal: To login in application

Actors: users

Main Success Scenario:

- 1- The users enters username and password
- 2- System validate information
- 3- System authorises user

Extensions:

1. User inter wrong password
2. User inter wrong username
- 3- user don't have an account

Main use case scenarios

Use case 2 : View the orders

Goal: To View the orders that not deliver yet

Actors: Volunteer

Precondition: Volunteer login in his account

Main Success Scenario:

- 1- the Volunteer check if there is order
- 2- fix the clothes and make it in nice way
- 3- Take picture for the clothes to display it in the application

Extensions:

submit request to donate clothes

1a: there is no order

2a: the clothes don't need to fix

Main use case scenarios

Use case 3 : Search clothes

Goal: to Search

Actors: Needy

Precondition: Needy login in his account

Main Success Scenario:

- 1- the Needy Search for clothes
- 2- System display the clothes
- 3- System display the details for the clothes

Extensions:

- 1- the System has no clothes in this time to donate

Main use case scenarios

Use case 4 : submit request to donate clothes

Goal: To submit request to donate clothes

Actors: Donor

Precondition: Doner login in his account

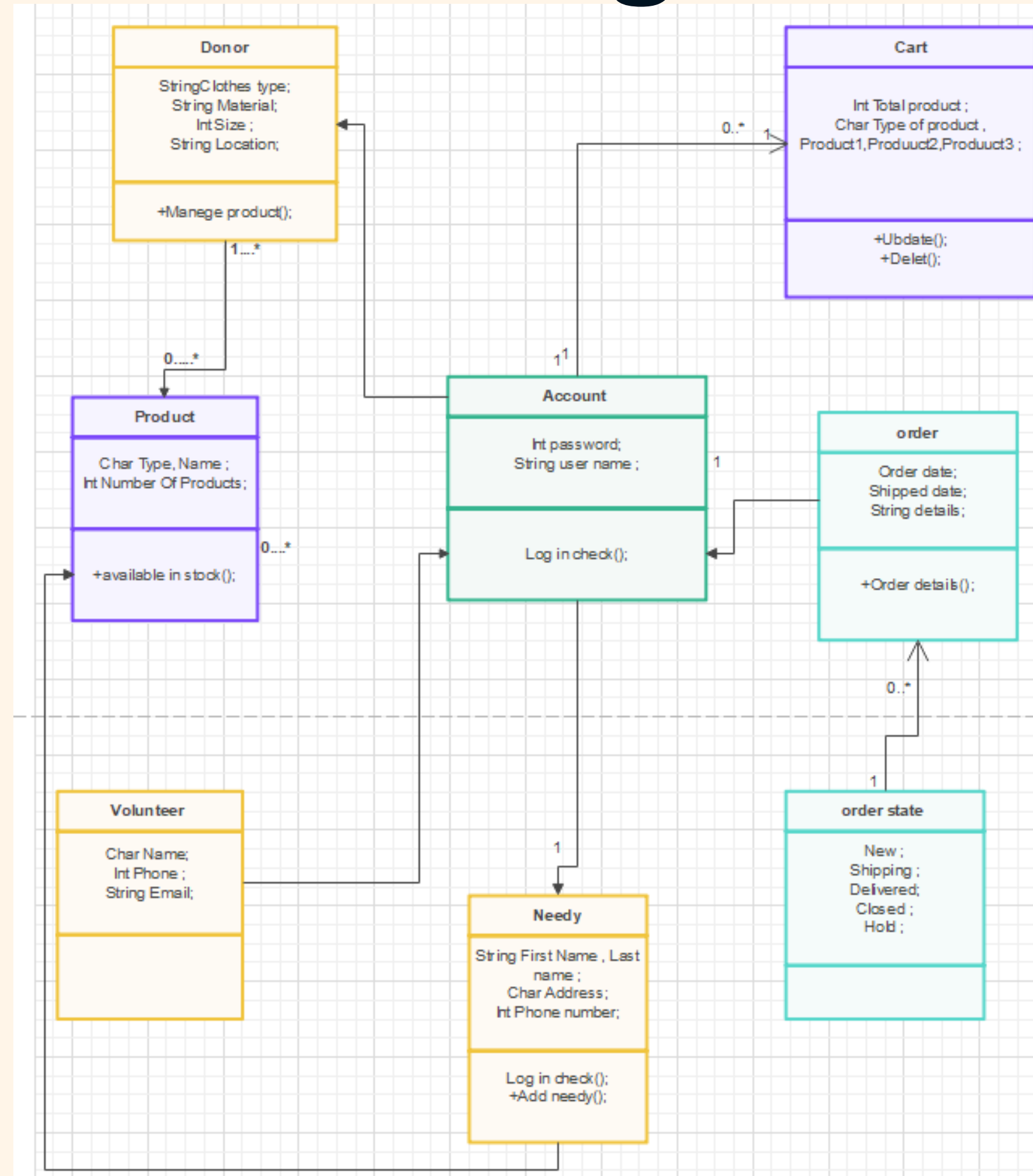
Main Success Scenario:

- 1- the donor submit request to donate clothes
- 2- the donor wait to accept his request
- 3- System display the accept message
- 4- the donor add simple descriptions for the clothes that he/she want donate

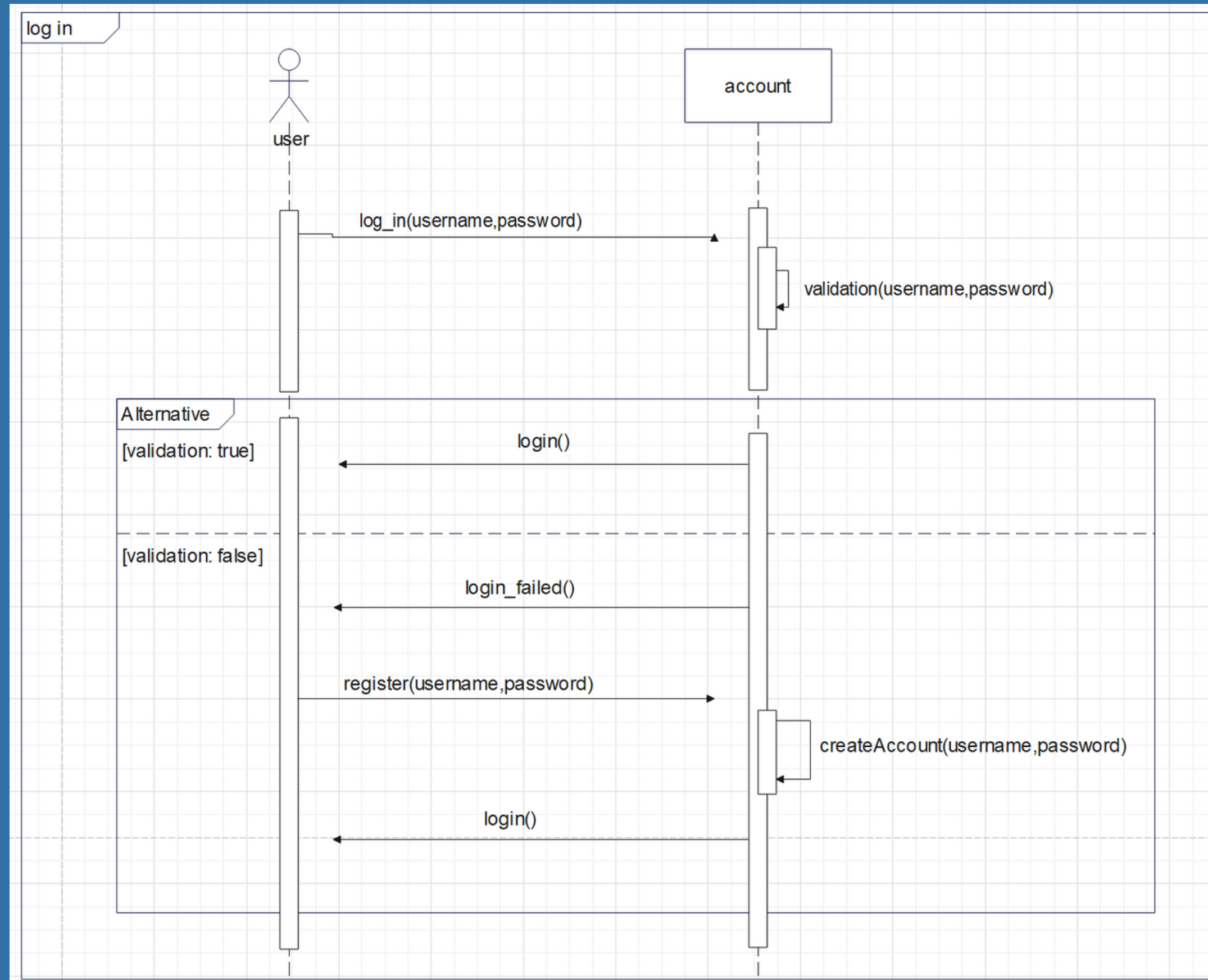
Extensions:

- 2a: the request not accept

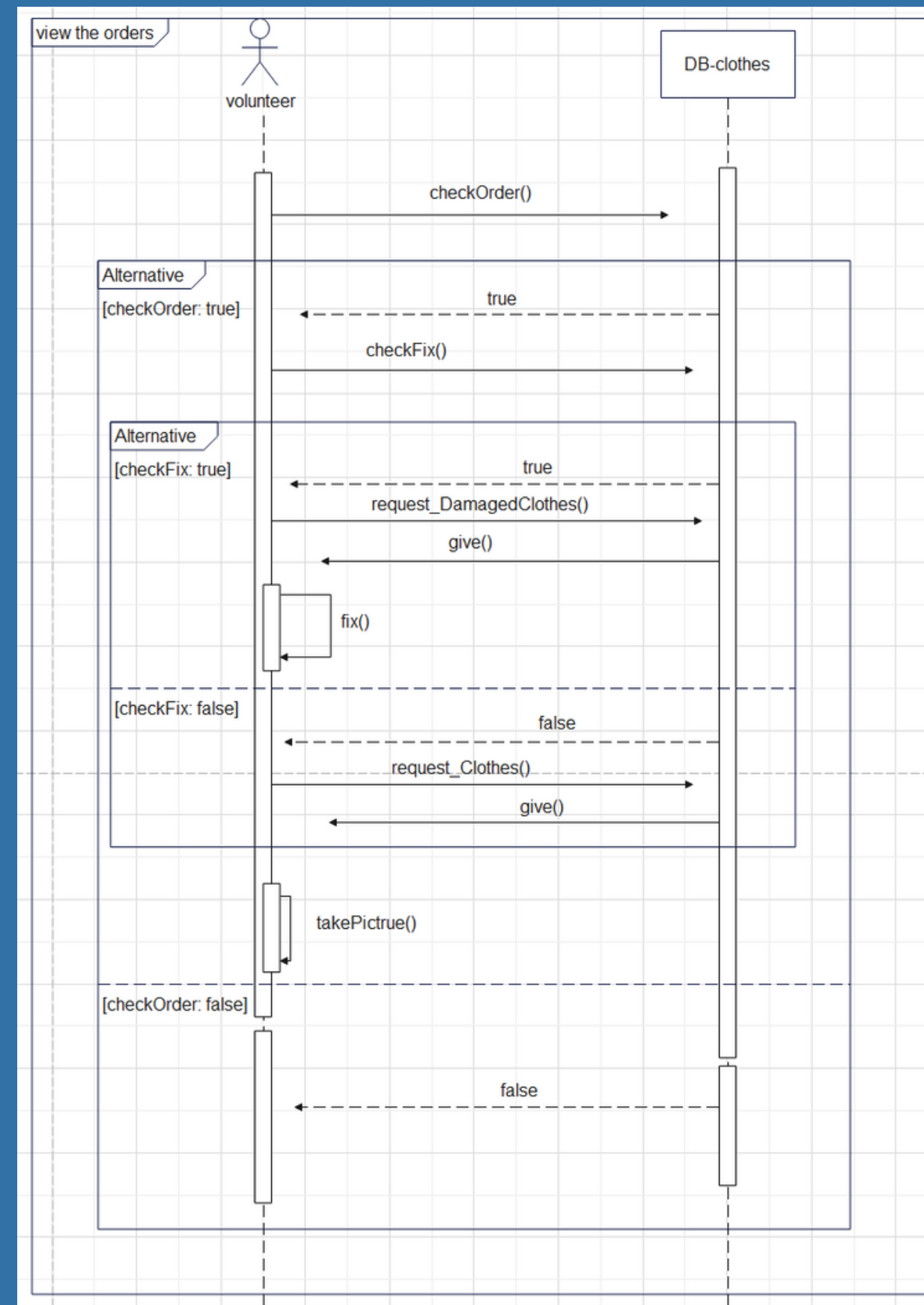
Class diagram



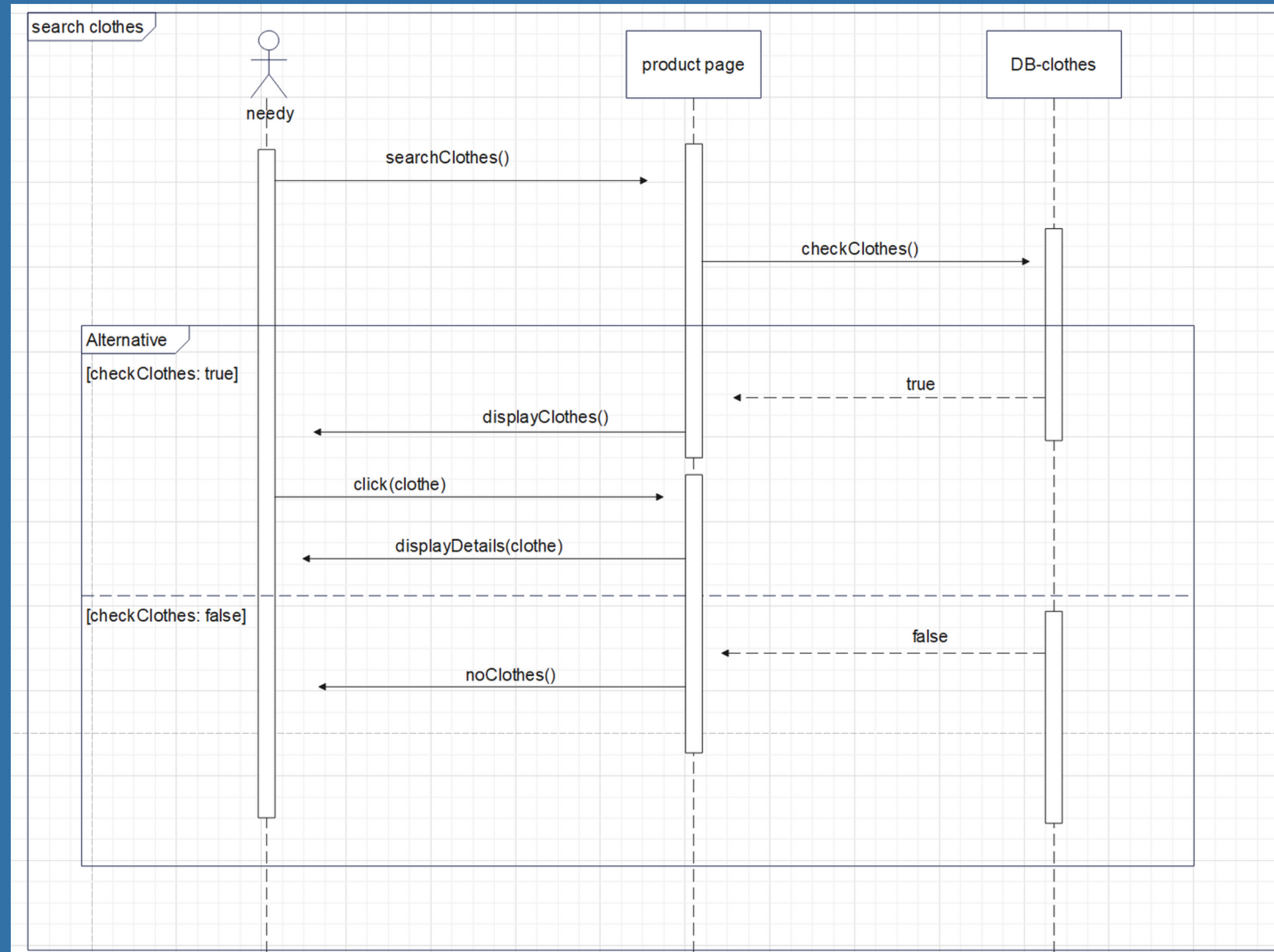
sequence diagram for login :



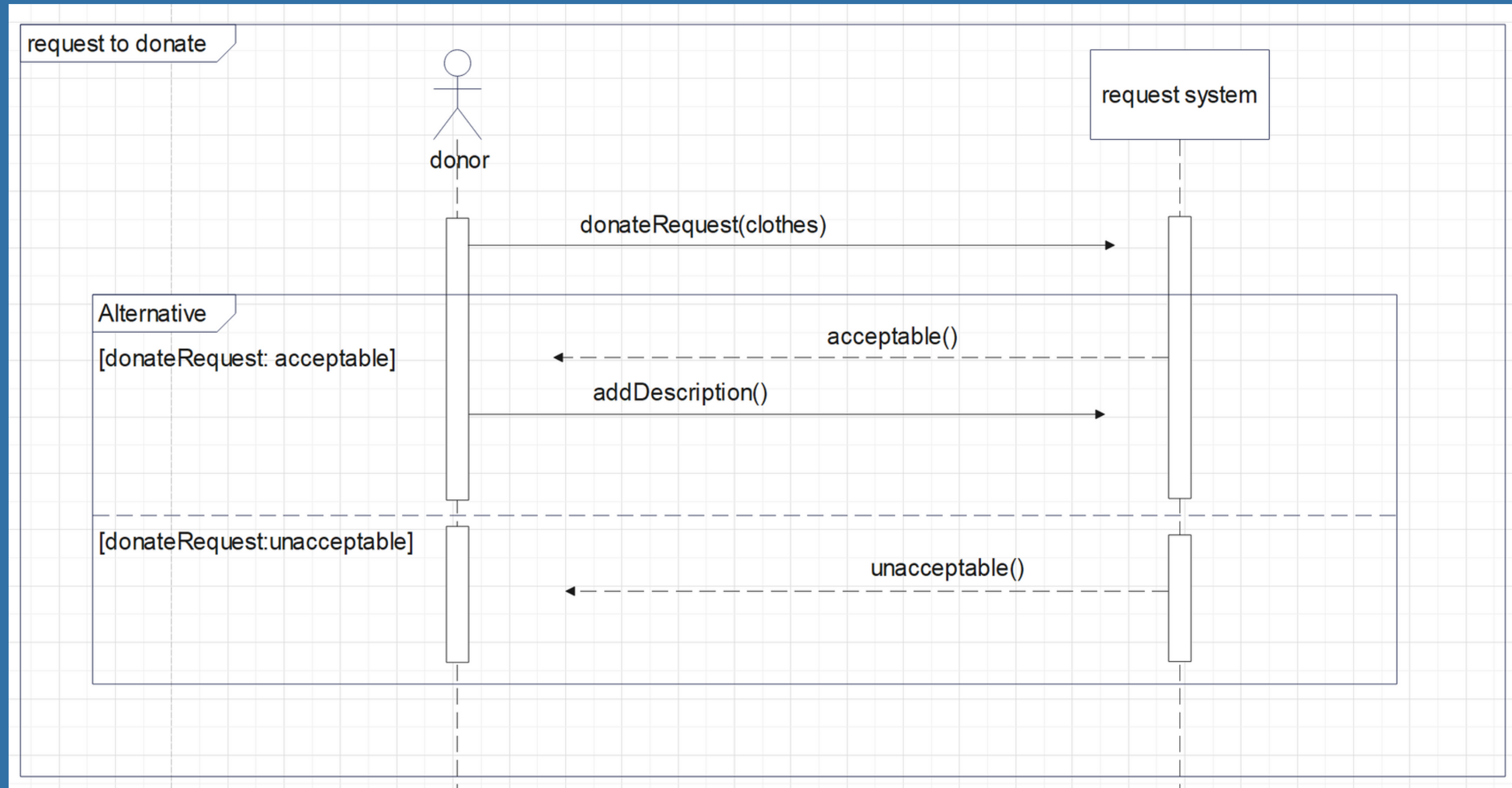
sequence diagram for view order :



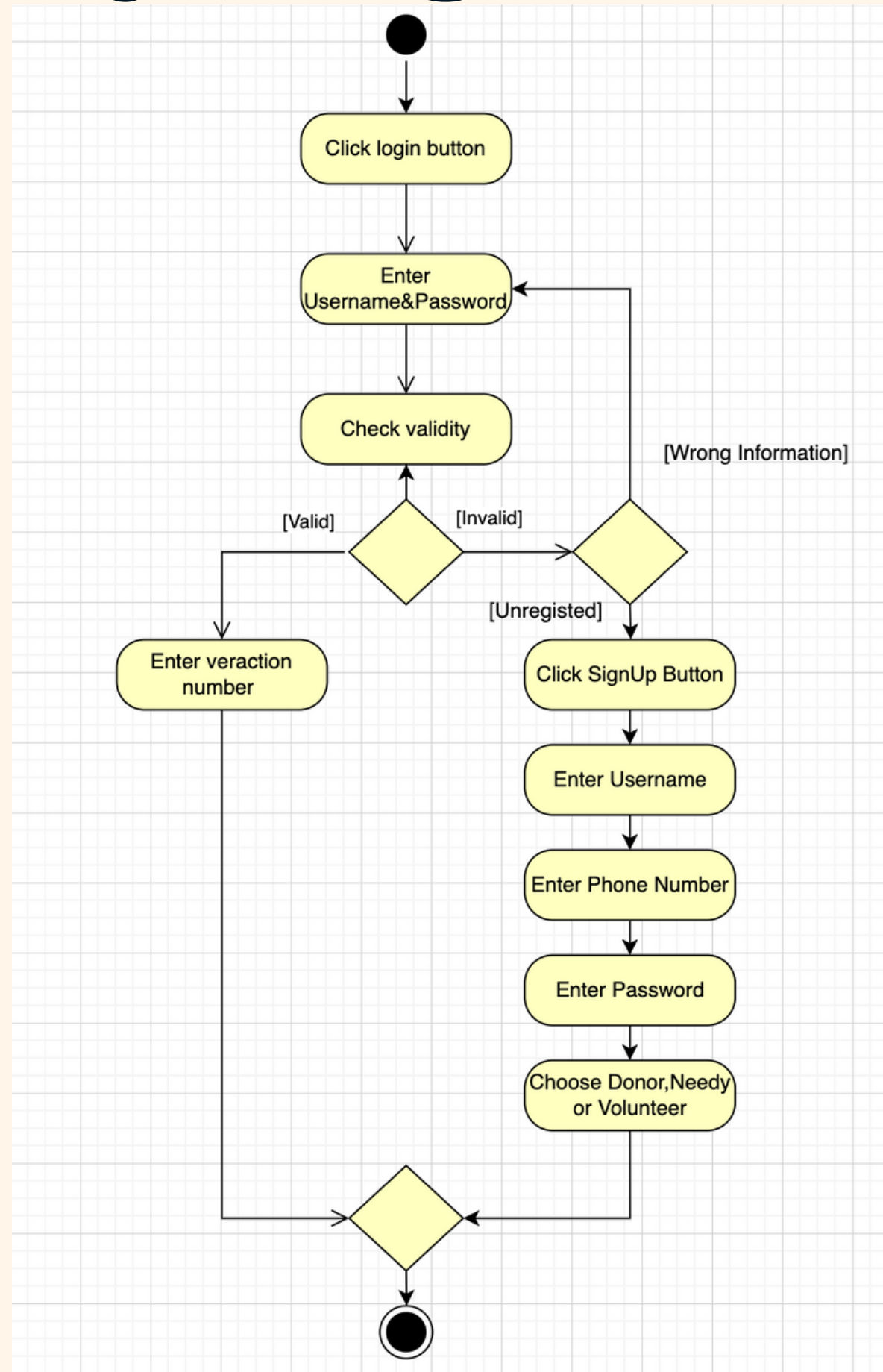
sequence diagram for search clothes :



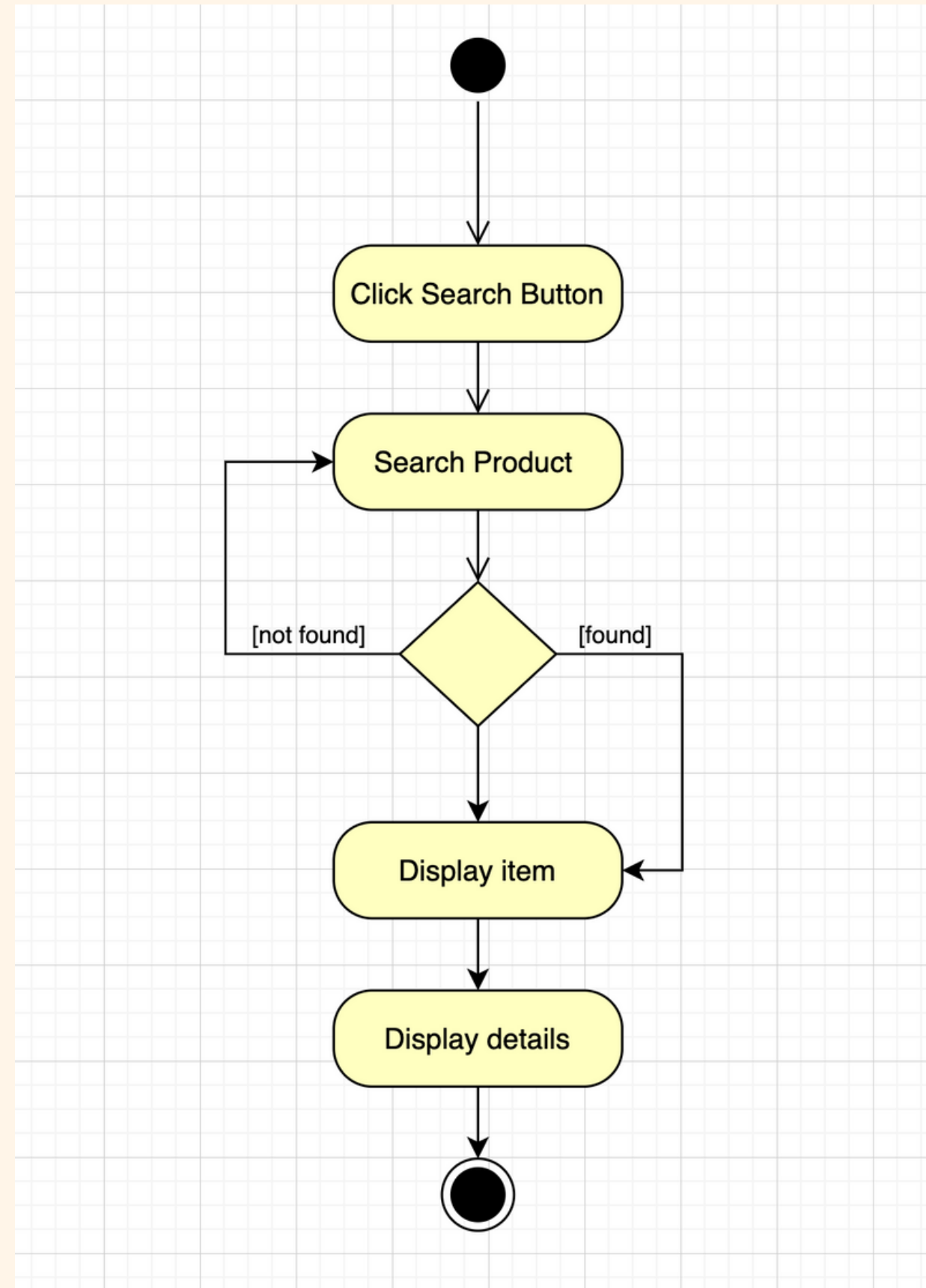
sequence diagram for request to donate :



activity diagram - login -

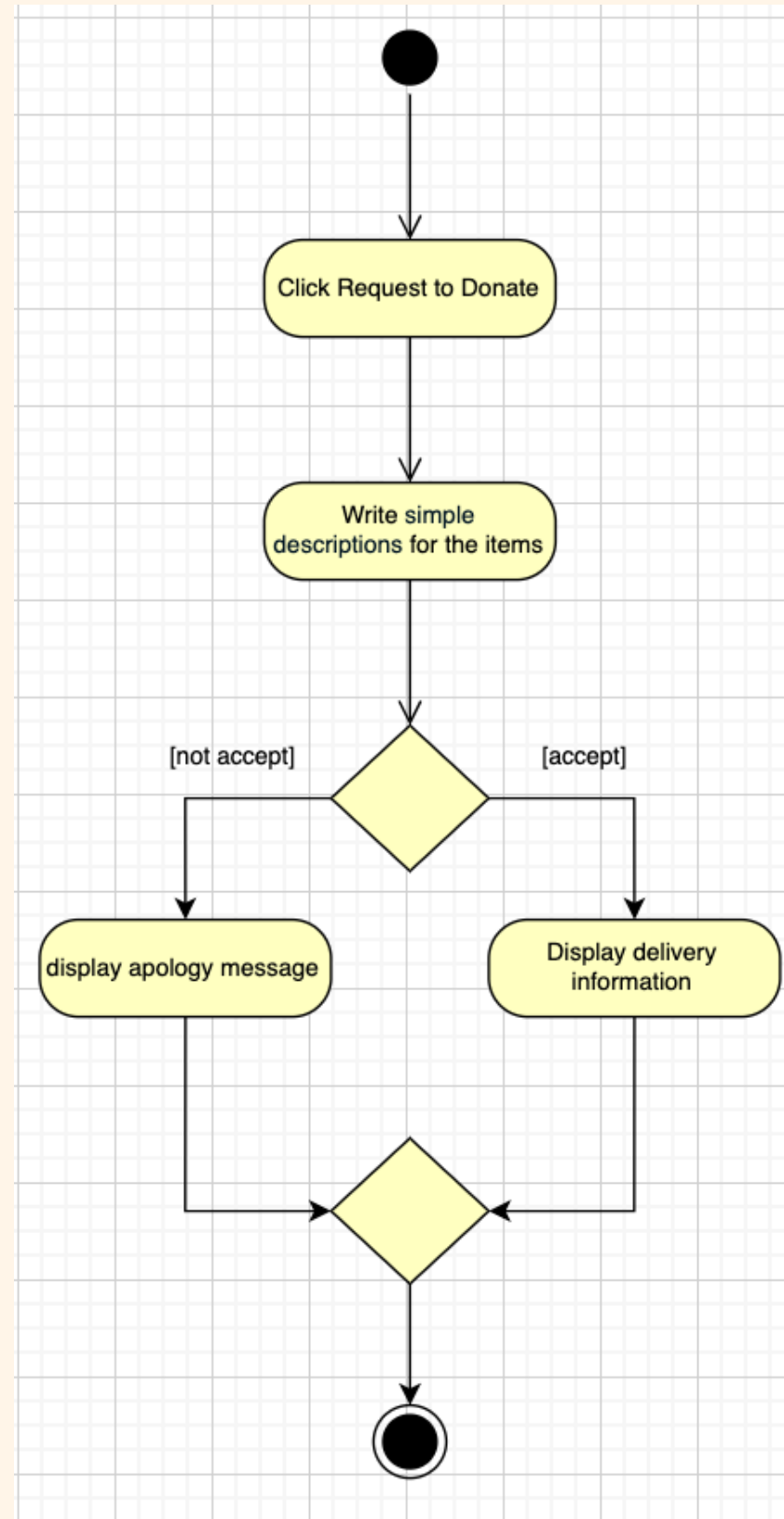


activity diagram - Search clothes -

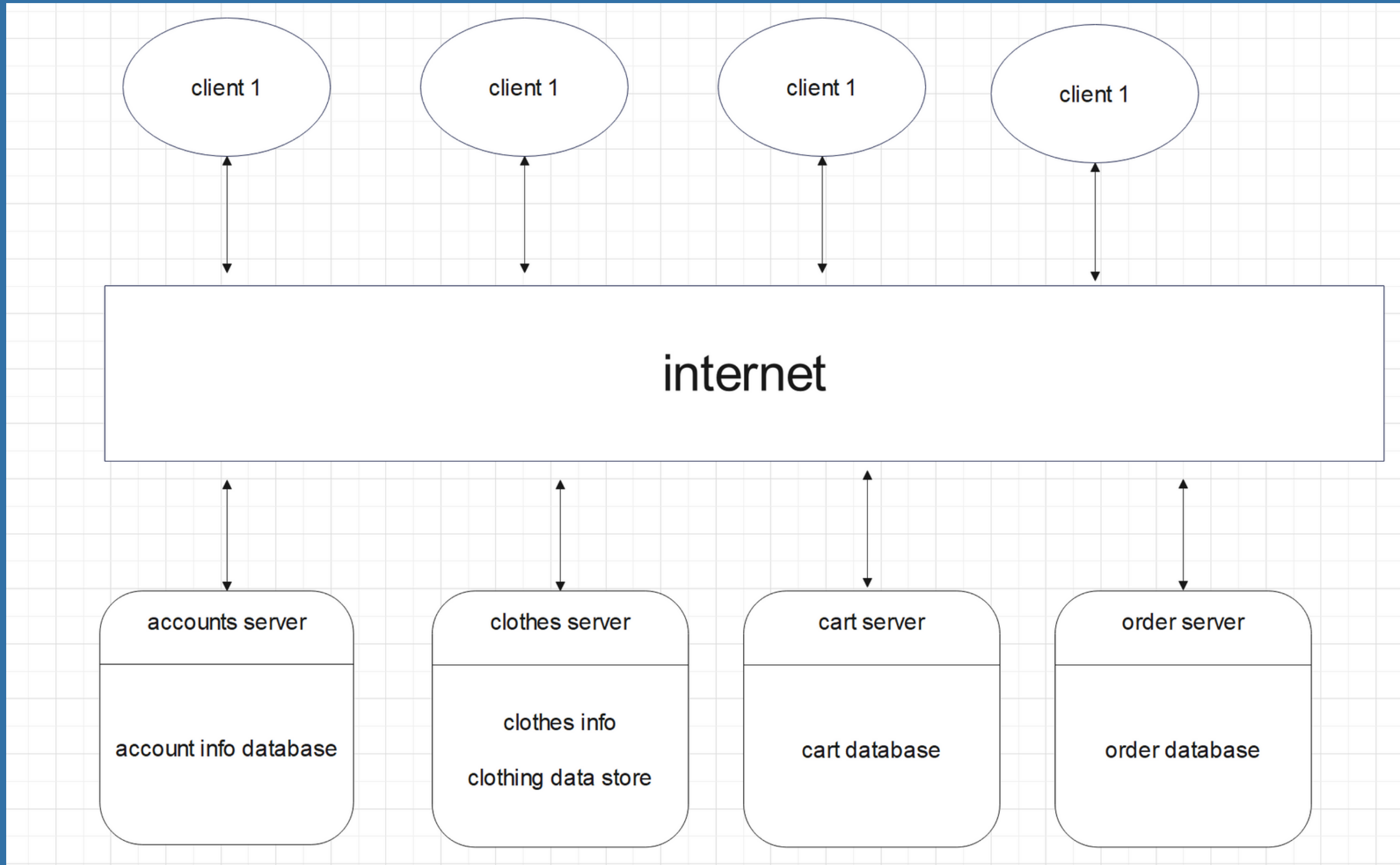


activity diagram

- submit request to donate clothes -



System architecture





Conclusion

We created SANAD to help donors to donate easily. and for people in need to help them by giving them whatever they needed. and for volunteers who love charity and want to help others.





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THANK

YOU

FOR

LISTENING

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