Phase Design Report 2

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https://github.com/djara1214/Csc322-Project.git

Introduction: Collaboration Diagram

0. **Email and card** information is entered from unregistered users in order to register.

1. **Unreg to reg**- Unregistered user becomes a registered user

2. **VB**- visitor can browse without creating an account

3. **Register screen info saved**- when registering a new user, their information is saved

4A. **Reg Check**- Information is checked for registered user

4B. **Reg Saved**- Information on user is saved

5.**Reg b**- registered user browsing products

6. **Prod sel**- Product selection

7. Unregistered user is asked to register

8a. **Inv s**- Inventory is searched for availability

8b. **Inv r-** inventory information is returned to order screen

9. **S to I**- supplier information and products saved to inventory data

10a. Product information is sent to checkout

10b. Order information is sent back to the customer.

11a. Product info is sent for bidding

11b. Shipping info is sent back

12 a. Bidding information is sent from shipping company

12b. **wib4**- What is bid for- Information is sent to shippers so they may know what they need to send and create bids accordingly.

13a. **bid 2 clerk**- Bidding information is sent to the clerk, for approval.

13b. **clerk 2 bid-** clerks decision is sent back

14. a. **S rebuttal** – Complaint dispute from suppliers

14b. **Complaint to S**- Suppliers can see the complaint

15a. **Sh rebuttal** – Complaint dispute from shippers

15b. **Complaint to Sh**- Shippers can see the complaint

16. a. **C to M**- Complaint information is sent to manager

16b. **M to C**- Complaint information sent back after manager decisions and viewing.

17. **Managers to home**- Homepage top choices information from managers.

18. **Com avoid**- Avoid list is added to via complaint information.

19. A Complaint information is sent to the clerk.

19b. Clerk rebuttal is sent back.

20a. **reg deny**- Registration is denied if they are in the deny list.

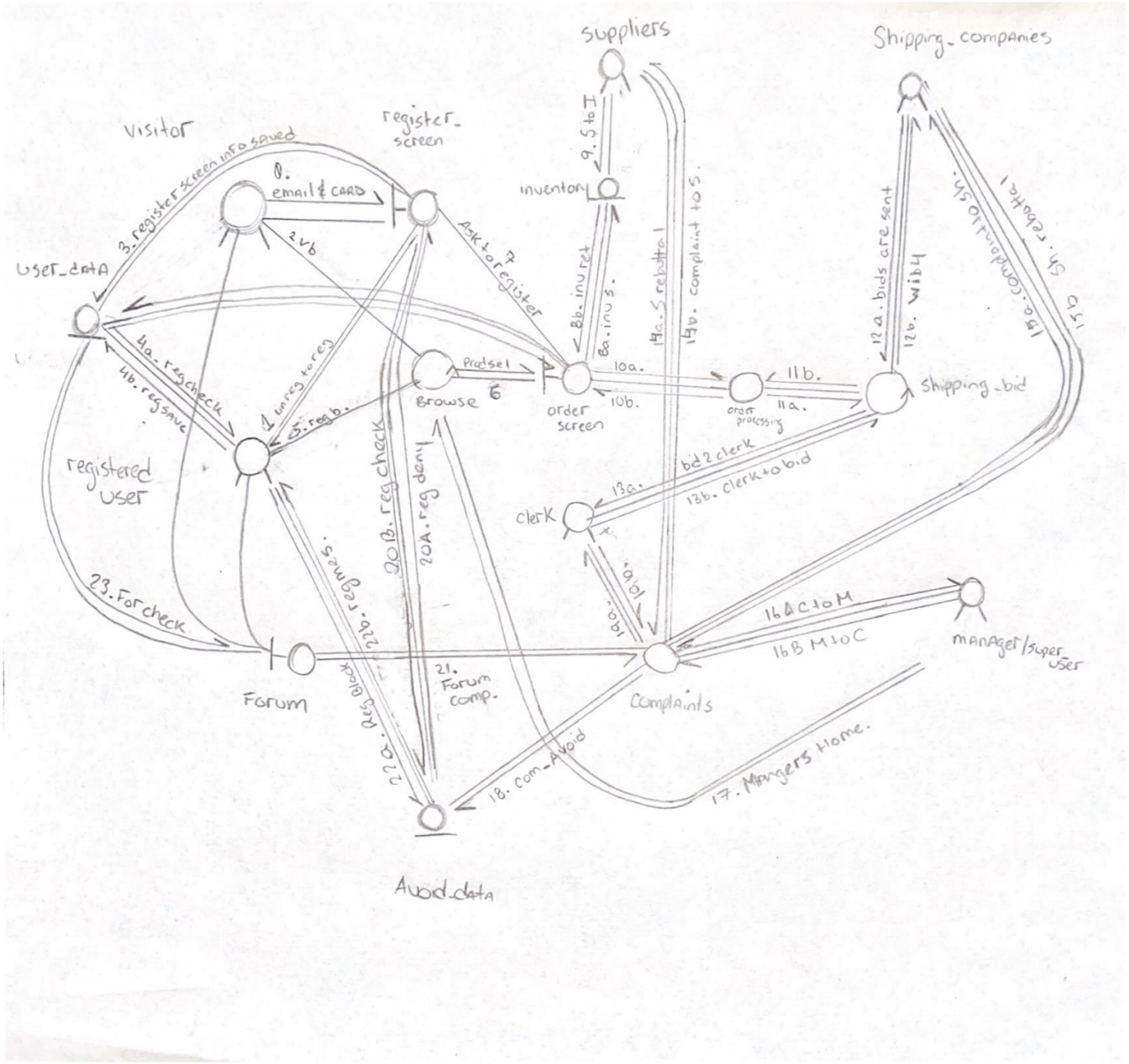
20b. **Reg check**- Visitor's information is checked inside the avoid list

21. **Forum Comp**- Complaints made from forum chat.

22. a. **Reg Block**- Registered user information is sent to avoid a list if needed.

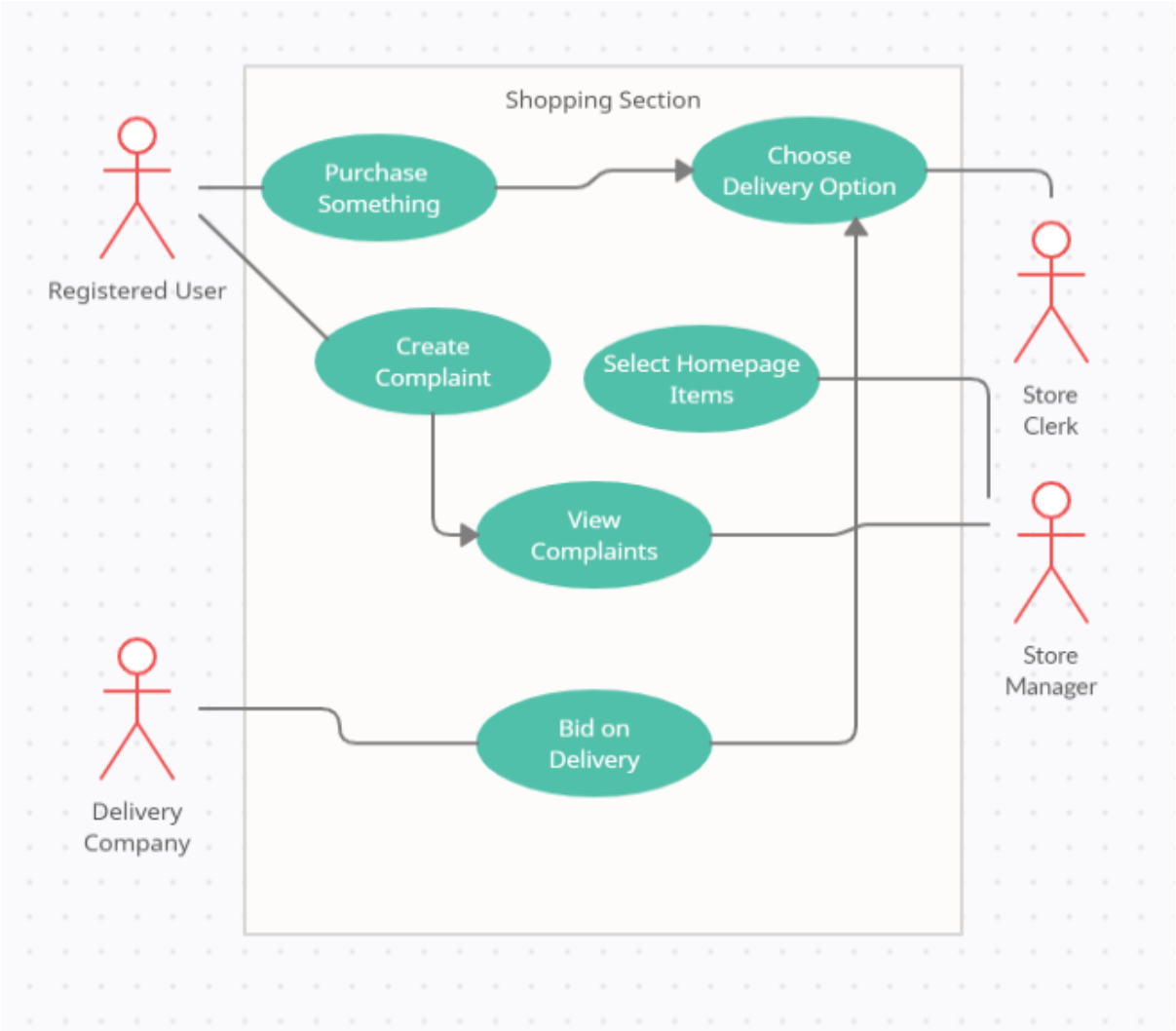
22b. **Reg mes**- User is alerted if they are added to avoid list.

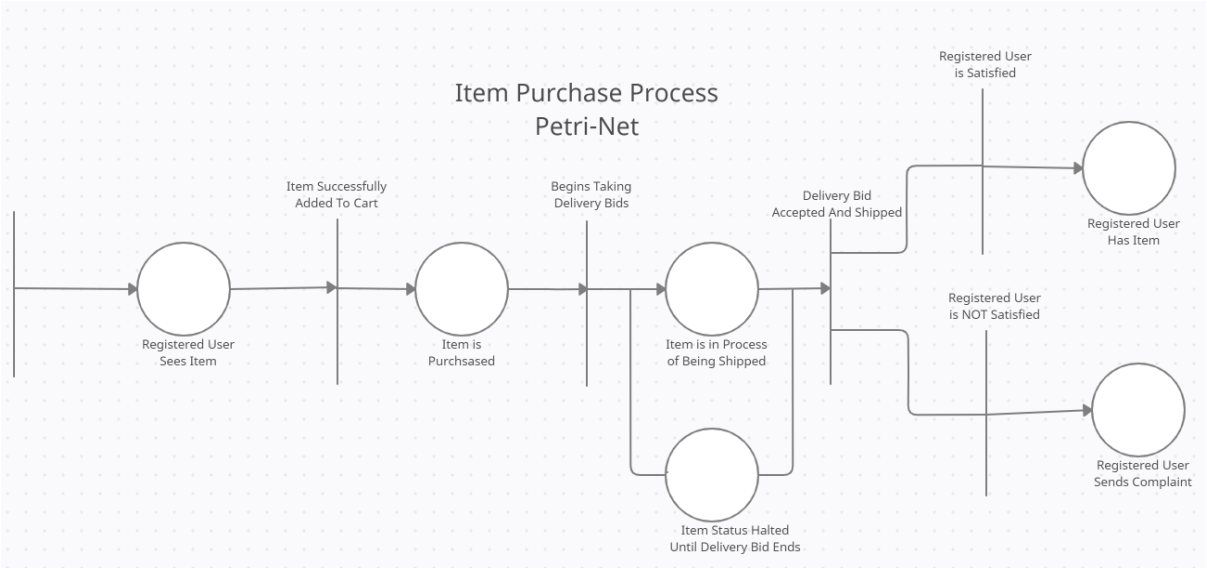
23. **For check-** Registered user information is sent to Forum for access to comment and etc.

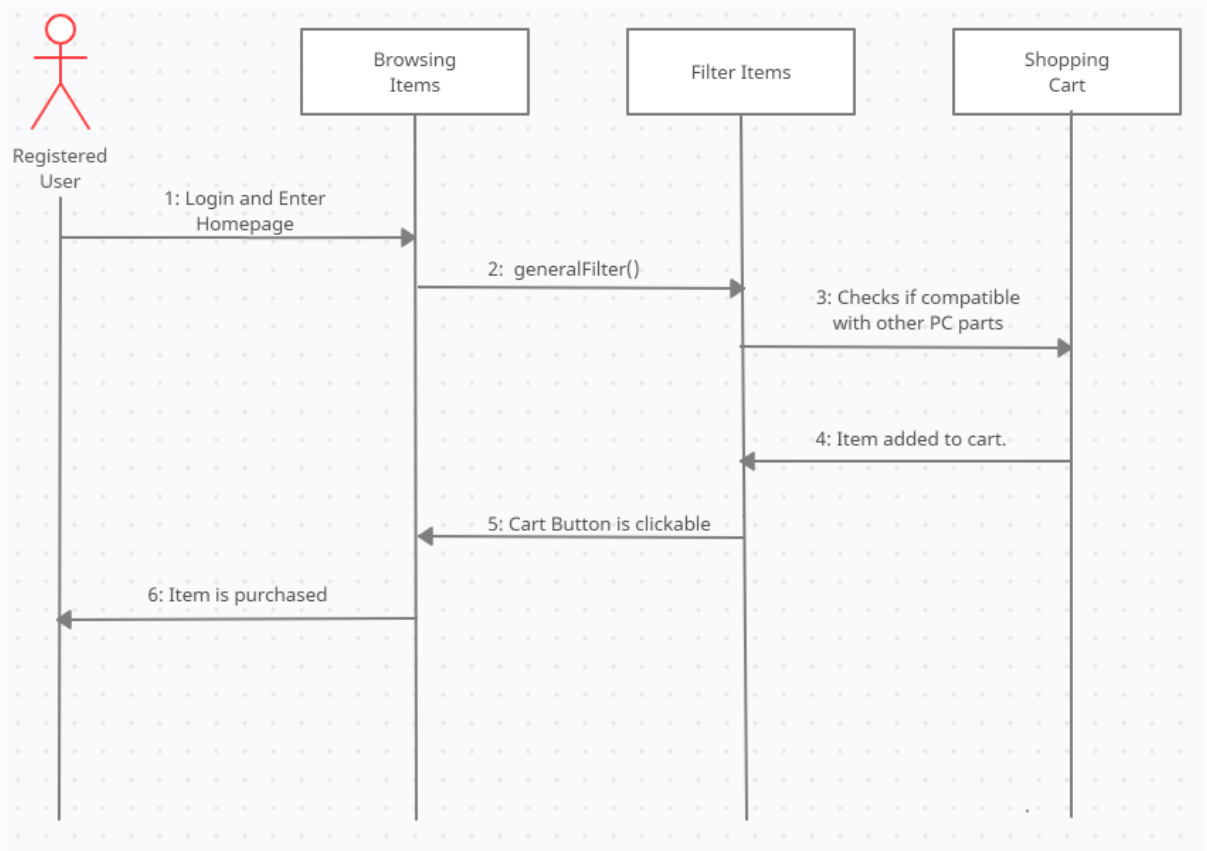


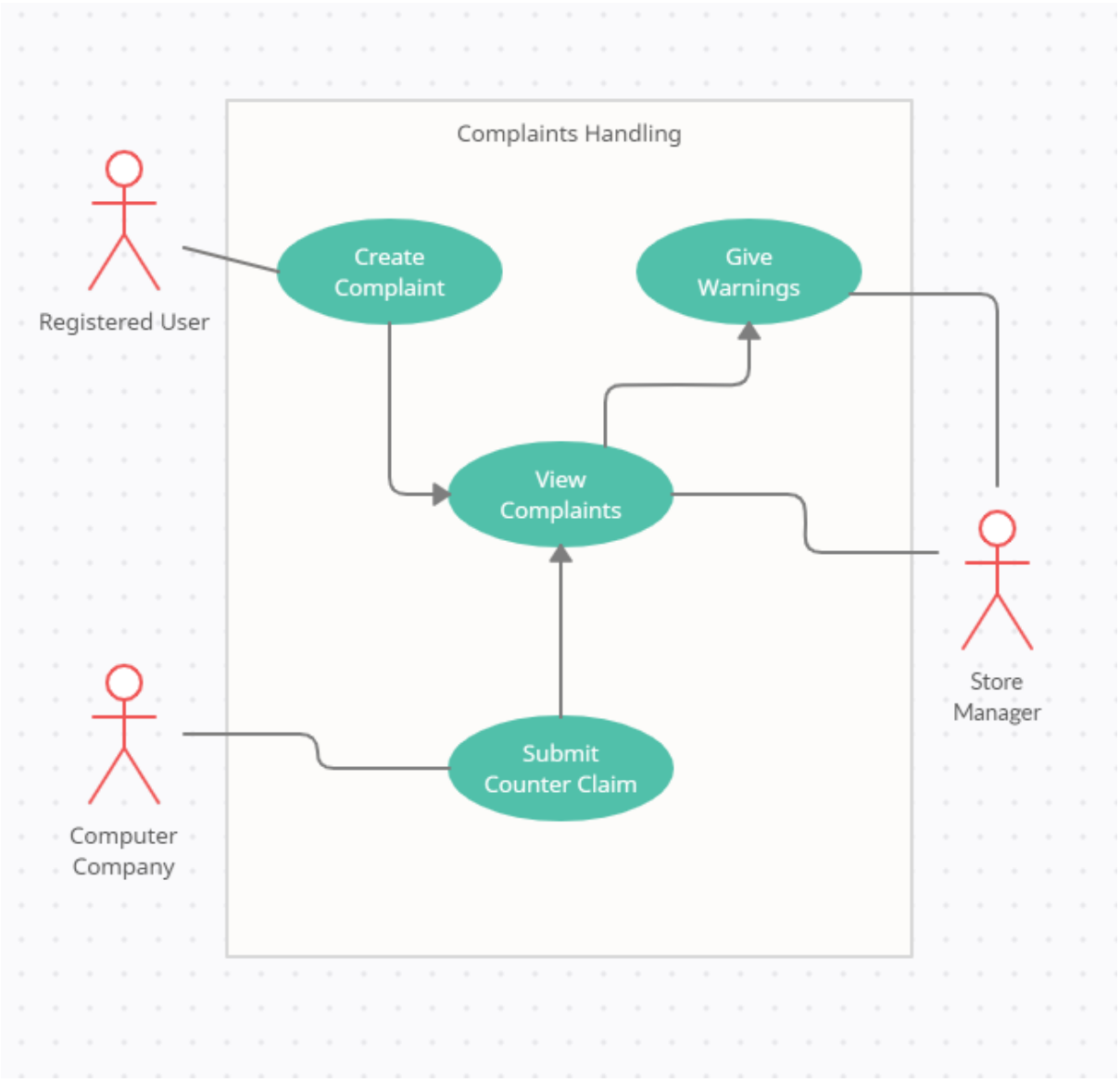
Suppliers
Shipping_companies
Visitor
register_screen
3. register screen info saved
0. email & CARD
2 vb
user_data
Ask to register
7
9. S to I
inventory
8b. inv ret
8a. inv s.
14a. S rebatta 1
14b. complaint to S.
12a. bids are sent
12b. Wib4
15a. complaint to Sh.
15b. Sh. rebatta 1
4a. reg check
4b. reg save
1 unreg to reg
5. reg b.
Browse
Prodsel
6
order screen
10a.
10b.
order processing
11b.
11a.
Shipping_bid
registered user
bid 2 clerk
13a.
13b. clerk to bid
clerk
20B. reg check
20A. reg deny
22b. reg mes.
23. For check
19a.
19b.
16A C to M
16B M to C
manager/super user
Forum
21. Forum comp.
Complaints
22a. Reg Block
18. com_Avoid
17. Mangers Home.
Avoid_data

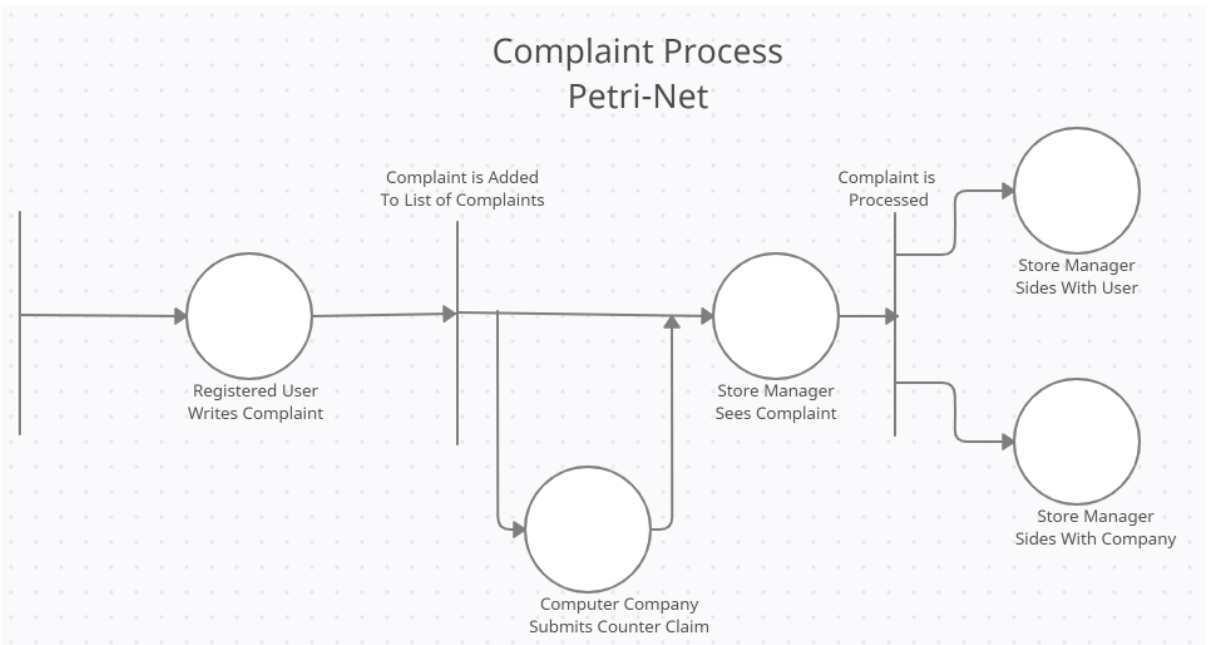
2. Use Cases

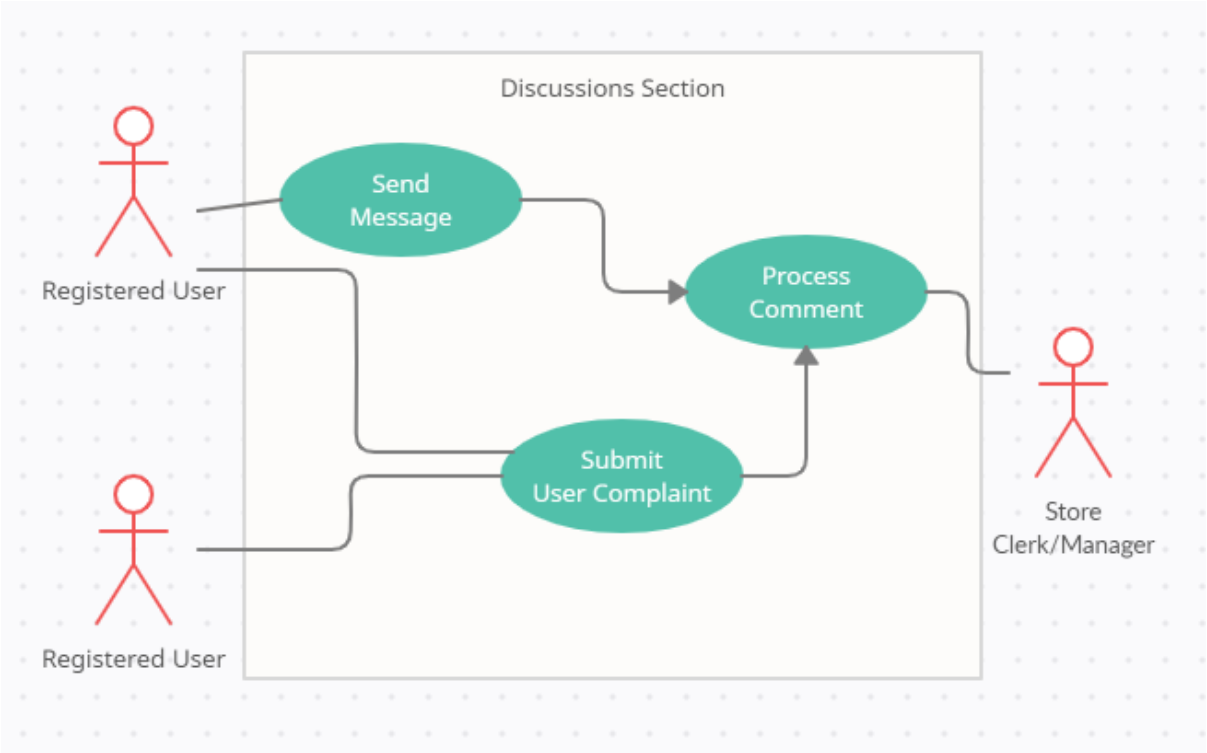

Shopping Section
Purchase Something
Choose Delivery Option
Registered User
Create Complaint
Select Homepage Items
Store Clerk
View Complaints
Store Manager
Bid on Delivery
Delivery Company

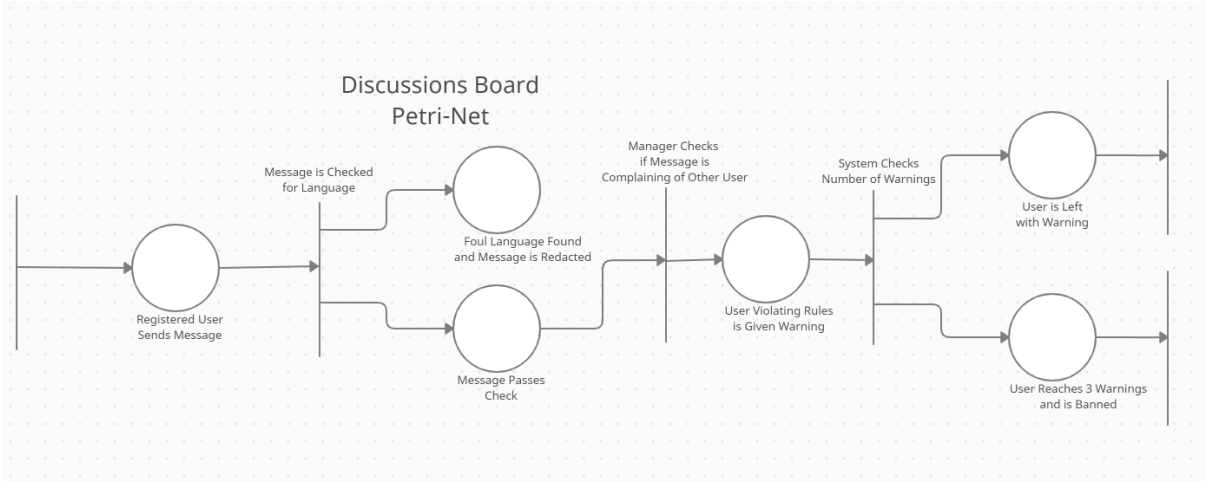

Item Purchase Process
Petri-Net
Registered User
Sees Item
Item Successfully
Added To Cart
Item is
Purchsased
Begins Taking
Delivery Bids
Item is in Process
of Being Shipped
Item Status Halted
Until Delivery Bid Ends
Delivery Bid
Accepted And Shipped
Registered User
is Satisfied
Registered User
Has Item
Registered User
is NOT Satisfied
Registered User
Sends Complaint


Registered
User
Browsing
Items
Filter Items
Shopping
Cart
1: Login and Enter
Homepage
2: generalFilter()
3: Checks if compatible
with other PC parts
4: Item added to cart.
5: Cart Button is clickable
6: Item is purchased

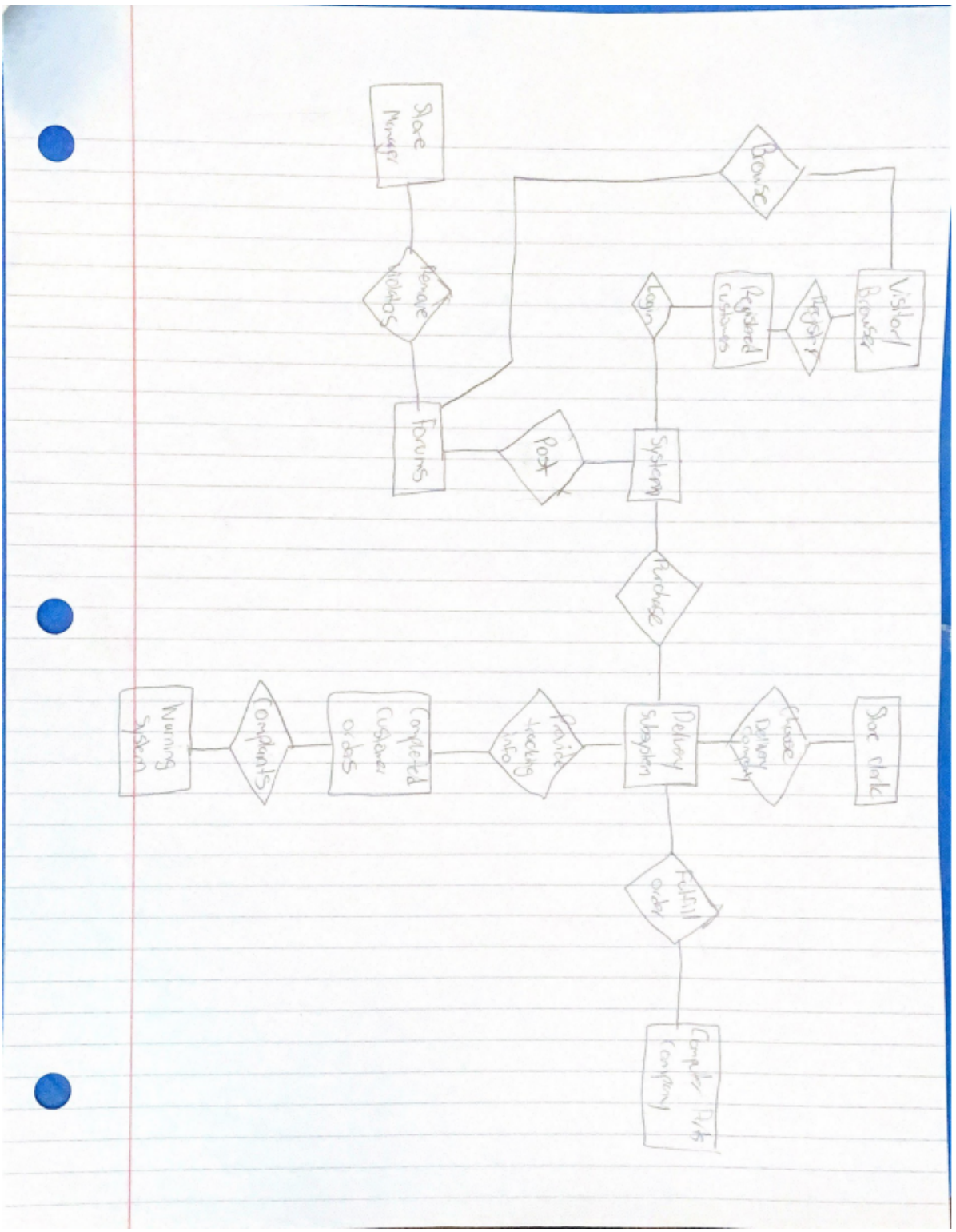

Complaints Handling
Registered User
Create Complaint
Give Warnings
View Complaints
Store Manager
Computer Company
Submit Counter Claim


Complaint Process
Petri-Net
Complaint is Added To List of Complaints
Complaint is Processed
Registered User Writes Complaint
Store Manager Sees Complaint
Store Manager Sides With User
Store Manager Sides With Company
Computer Company Submits Counter Claim


Discussions Section
Send Message
Process Comment
Submit User Complaint
Registered User
Registered User
Store Clerk/Manager


Discussions Board Petri-Net
Registered User Sends Message
Message is Checked for Language
Foul Language Found and Message is Redacted
Message Passes Check
Manager Checks if Message is Complaining of Other User
User Violating Rules is Given Warning
System Checks Number of Warnings
User is Left with Warning
User Reaches 3 Warnings and is Banned

3. E-R Diagram


Store Manager
Remove Violators
Forums
Post
Browse
Visitor/ Browser
Register
Registered Customers
Login
System
Purchase
Delivery Subsystem
Choose Delivery Company
Store clerk
Provide tracking info
Completed Customer orders
Complaints
Warning System
Fulfill order
Computer Parts Company

4. Detailed Design

Initialization Methods

```
def initialization( self, name, company, price)
        set Self.name to name
        set Self.company to company
        set Self.price to price

def initialization of login( self, userName, password)
        set Self.userName to userName
        set Self.password to password

def variables as strings (self)
        Return self.itemType + self.name + self.company + self.price

def variables as strings for login(self)
        Return self.itemType + self.userName + self.password + self.warnings +
self.suspended


def returnRandomCompany
        set Random value to random.randint(0,2)
        if RandomValue is equal to 0
                return "Msi"
        elif randomValue equal to 1
                return "Intel"
          else:
                return "AMD"
```

Filter Methods

```
def matchKeywordsFilter(itemList, attributes are None, keywords are None)
   if (attributes equals None or keywords equals None) or (length of attributes does not equal
length of keywords)):
      return []

   filteredList = []
   start a for loop for item in itemList
      start a nested for loop for attribute in range
         attributeReturn = getattr(item, attributes[attribute])
         if attributeReturn equals keywords[attribute]:
```

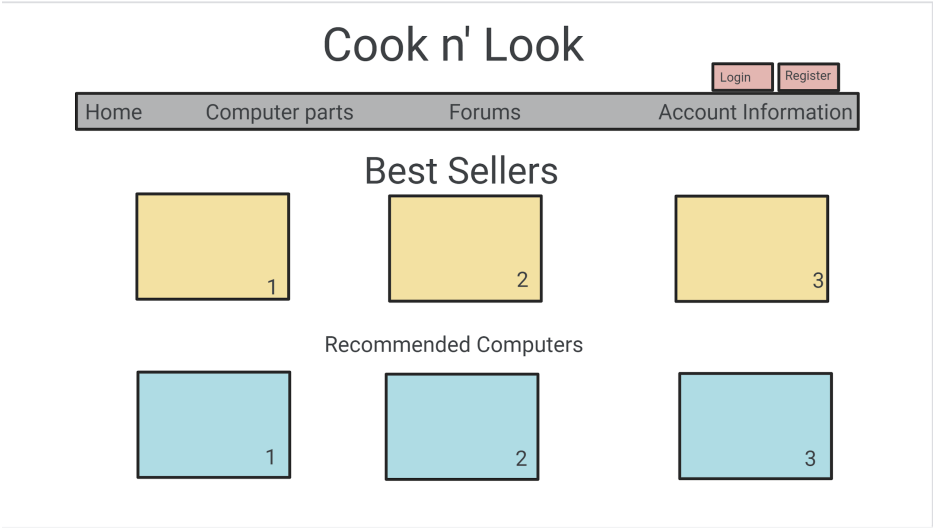
```
            filteredList adds (item)

    return filteredList


def rangeFilter(itemList, attribute,lowerBound, upperBound):
    filteredList is empty
    start a for loop for every item in itemList
        set attributeReturn equal to getattr(item, attribute)
        conditional statement that if lowerBound <= attributeReturn <= upperBound
            filteredList adds (item)

    return filteredList


def generalFilter(itemList, filterList)
        filteredList is empty
        if the length of filteredList equals 0
                return itemList
        elif filterList[0][0] equals ‘match’
                attributes  is set to filterList[0][1]
                Keywords is set to filterList[0][2]
                filteredList is left empty

Call matchKeywordsFilter
      Remove filterList index (0)
      return generalFilter(filteredList, filterList)
   elif filterList[0][0]equals "range":
      attribute is set to filterList[0][1]
      lowerBound is set to filterList[0][2]
      upperBound is set to filterList[0][3]
      filteredList is still left empty

Call rangeFilter
      Remove filterList index (0)
      return generalFilter
```

Reading Method

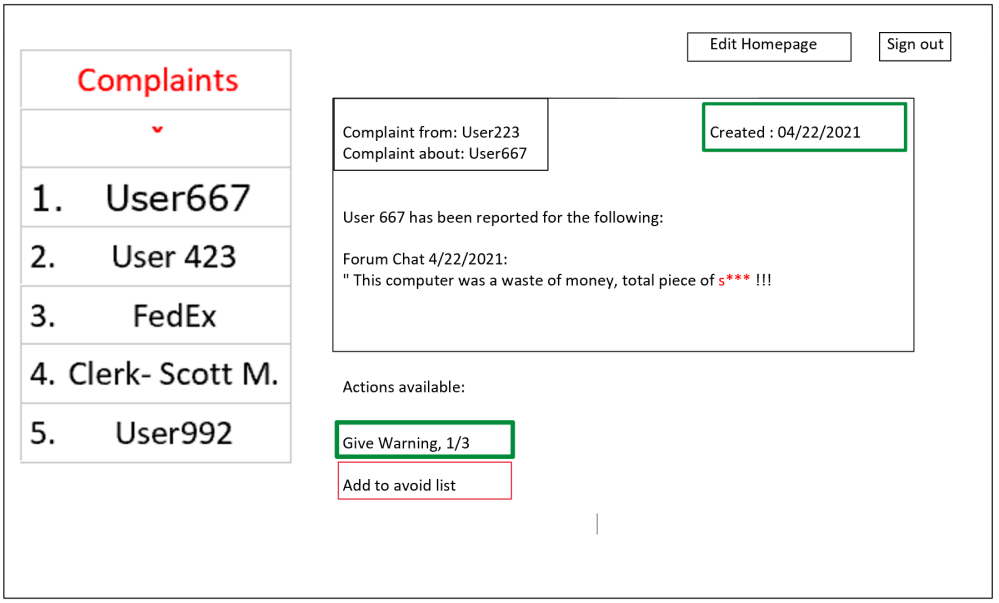
```
def reader (accounts_txt)
        file set equal to accounts_txt
        start for loop for every line in file
                data is equal to lines being split by "+"
                print data

                set product id equal to data[0]
                set price equal to data[1]
                set description equal to data[2]
                set numbers old equal to data[3]
                set current product equal to accounts (product, price, description, number sold)
                Add current product to accountsList

        close file
```

5. System Screens

Design for homepage (has not been altered)



Homepage for Manager



6. Minutes Met

Project	Cook’n Look -CSC 322 Project
Topic	Finishing System requirements
Date	**4/19/20**
Attendees	Andy G., Arsenio P., Grismely H., and Danny J.

Project	Cook’n Look -CSC 322 Project
Topic	Assignment of Phase 2 to each member
Date	**4/21/20**
Attendees	Andy G., Arsenio P., Grismely H., and Danny J.

Project	Cook’n Look -CSC 322 Project
Topic	Code review and Phase 2 report check-in
Date	**4/23/20**
Attendees	Andy G., Arsenio P., Grismely H., and Danny J.

Project	Cook’n Look -CSC 322 Project
Topic	Code review and finalization of phase 2 report
Date	**4/27/20**
Attendees	Andy G., Arsenio P., Grismely H., and Danny J.