Dysfunctional Designers
Iteration 1

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See our website:

http://cs.ecs.baylor.edu/~hollandj/

And our issue tracking link:

https://github.com/stratx21/SoftwareEngineeringIGroupProject/issues

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Project Vision

Our vision for our project simple. We strive to create a user interface

that gives our users access to reasonably-priced, entertaining, and

relatable merchandise. Our merchandise is related directly to being a

Computer Science Major at Baylor University. With the use of our product,

we believe Computer Science Majors will better be able to understand and
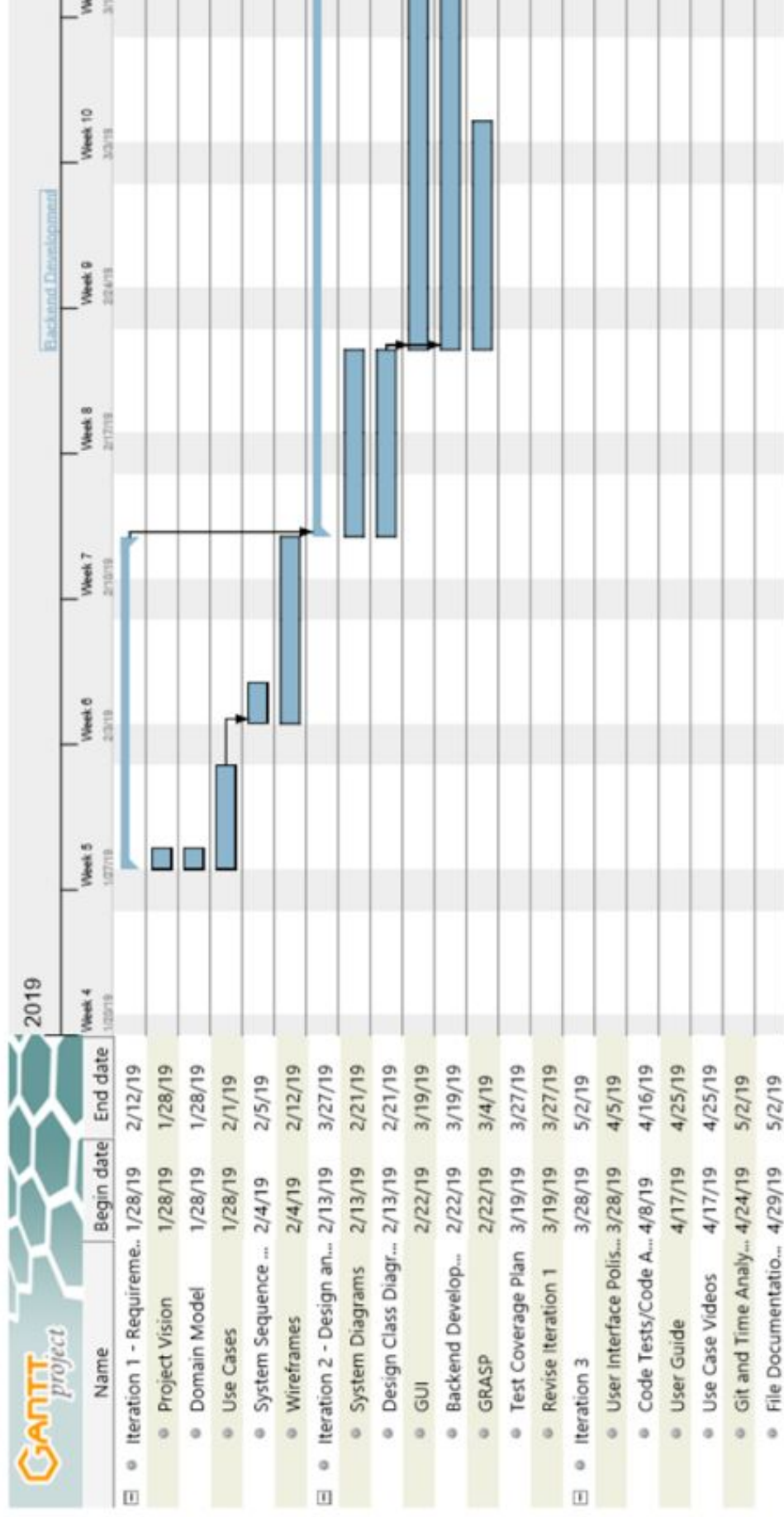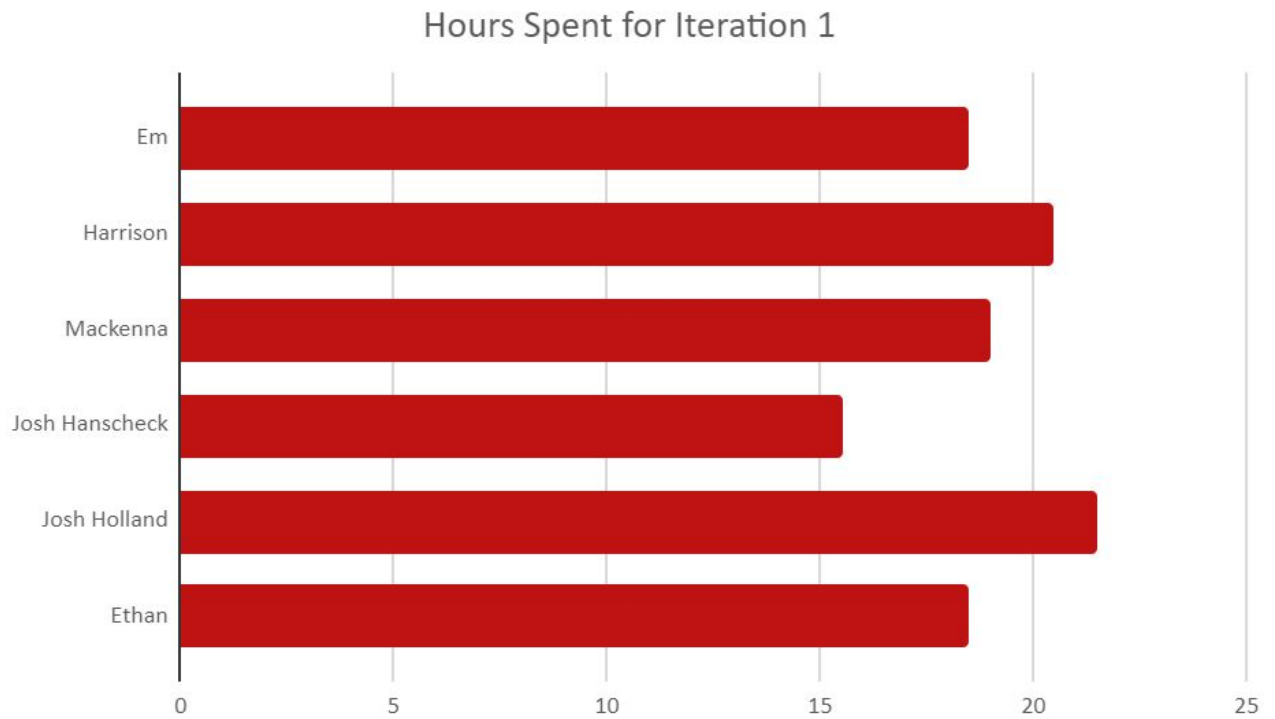
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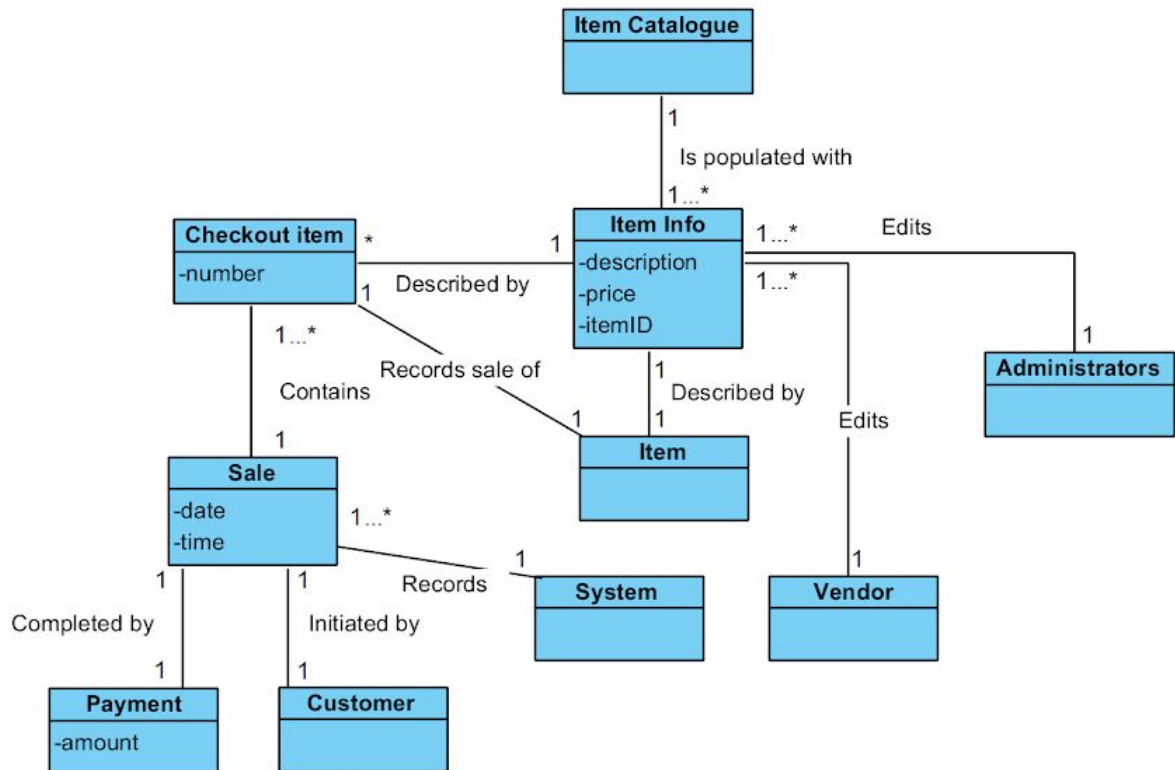Feb 10, 2019

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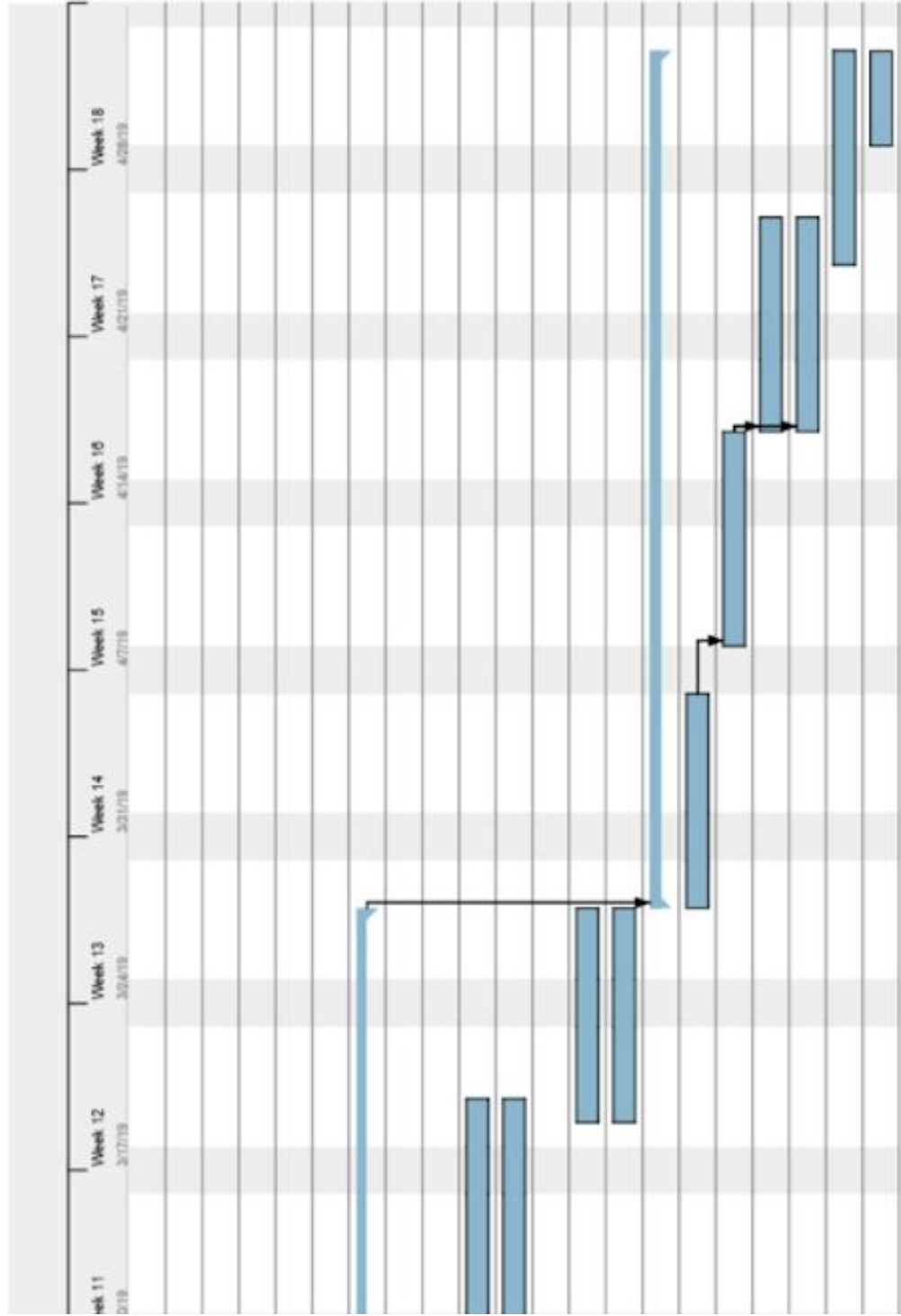
Iteration 1 Gantt Diagram

Gantt Chart

<u>Time Cards</u>

Hours Spent for Iteration 1

Domain model

Actors List

- **Customer**: Any user not managing or selling within our store. Generally seeking to find or purchase items.
- **Store Administrators**: Generally responsible for making sure the software works, is functional within the context of our scenarios, and responds to any problems within the software.
- **Product Vendor**: Individuals who have products to sell on the site, can post items, adjust costs, and remove items from sale.
- **System Maintainer:** Individuals responsible for maintaining the system functionality and ensuring all processes are properly working for maximum customer satisfaction.
- **Staff:** Those responsible for communicating directly with customers. Typically act as a go-between between customers or product vendors and store administrators.

List of operations

1. Load login page
2. Create account
3. Create security questions for an account
4. Load profile page
5. Load a page to edit the profile
6. Edit the profile information based on the changes that the user specifies
7. Load a profile page
8. Load the viewing history of an account
9. Load item information
10. Add item to wishlist
11. Delete Item from wishlist
12. Show the contact us information
13. Send contact reports to who the information should be sent then confirm the sending
14. View account deal history
15. Reset password
    a. Prompt for security questions answers
    b. Verify security questions
    c. Set new password
16. Put item on sale in the store
17. Edit information for an item
18. Search the store for an item
19. Indicate to user that an item searched for cannot be found
20. Put an item in the cart
21. Prompt the user of an item not being available
22. View item information
23. View item reviews
24. Create promotion for an item
25. Edit an item as a store owner
26. View other account information
27. Checkout with item
28. Pay for item with given payment methods with proper authorization

Requirements

Functional

1. Every order should be allocated a unique identifier (ORDER_ID), which the user shall access in personal account storage

2. The user will be able to create an account, log in, and edit their information on separate pages.

3. The user should be able to regain access to their account if their password is misplaced.

4. The user will be able to contact store administrators in case of site error or questions.

5. The user will be able to track the history of items they have ordered.

6. The user will be able to review their order before completing checkout, including the price of each item, the order total, the added tax, the added shipping cost, and the estimated arrival time (in amount of days).

7. The user will have the ability to change their type of membership in order to access various exclusive deals (general member, mid-level member, elite member)

8. The user will be able to keep track of items they are considering buying on a fully editable wishlist, and be able to add and delete items from the wishlist.

9. The user will be able to keep items that they are planning on buying in a shopping cart, and be able to view the estimated running total.

10. The system administrator will be able to edit item description and price.

11. The system administrator will be able to create promotions including groups of specific items.

12. The vendors and administrators will be required to obey all store policies and guidelines pertaining to placing items on sale and changing items already on sale.

Non functional

1. Searching the website for an item should be relatively quick (less than 10 seconds)

2. Application launch time should be relatively quick (less than 10 seconds)

3. Navigation of pages should be smooth (quick transitions, no lagging)

4. Account creation time should be as fast as possible, as well as all account access (login) after

5. Loading item pages should take less than 2 seconds

Traceability Matrix

	UC 0001	UC 0002	UC 0003	UC 0004	UC 0005	UC 0006	UC 0007	UC 0008	UC 0009	UC 0010	UC 0011	UC 0012	UC 0013	UC 0014	UC 0015	UC 0016	UC 0017	UC 0018	UC 0019	UC 0020
Req 1				X			X?						Depricated							
Req 2	X	X	X	X	X								Depricated							
Req 3							X						Depricated							
Req 4						X							Depricated							
Req 5				X									Depricated							
Req 6													Depricated		X	X	X	X	X	X
Req 7			X				X						Depricated					X		
Req 8					X								Depricated							
Req 9													Depricated			X		X		
Req 10									X	X	X		Depricated		X					
Req 11												X	Depricated							
Req 12									X	X			Depricated							
Req 13													Depricated							
Req 14			X	X	X		X						Depricated	X	X		X			
Req 15	X	X		X				X					Depricated							
Req 16	X		X			X							Depricated	X	X		X	X	X	X

Fully Dressed Diagrams

Use Case ID #0001: Log in

Scope: Comp Sci Merch Store

Level: user goal

Primary Actor: Customer

Stakeholders and Interests:

Customer – person that is interested in logging in and using the system

Staff – person of contact if login system experiences issues

Store Administrator– person overseeing staff and handling unordinary problems

System maintainer – person responsibility for background maintenance and reliability of the log in system

Precondition: System has started up

Postcondition: Customer is logged in systemwide

Main Success Scenario:

1. Customer goes to log in page
2. Customer enters in credentials
3. Customer submits the form
4. Customer will go to home page logged in

Extensions:

1. Customer cannot log in
   a. Customer will refresh page
   b. Customer will contact customer support
2. Customer does not have a log in
   a. Customer will click "create account"
   b. Customer will enter in information
   c. Customer will submit
   d. Customer can now log into the system

Use Case ID#0002: Create Account

Scope: Comp Sci Merch Store

Level: user goal

Primary Actor: Customer

Stakeholders and Interests:

>Customer – person that is interested in gaining access to the system

>Staff – person of contact if login system experiences issues

>Store Administrator– person overseeing staff and handling unordinary problems

>System maintainer – person responsibility for background maintenance and reliability of the log in system

Precondition: System has started up

Postcondition: Customer has a new account

Main Success Scenario:

1. Customer goes to log in page
2. Customer clicks "create account"
3. Customer enters in information
4. Customer submits form
5. Customer is redirected to home page and can now log in to the system

Extensions:

1. Customer cannot click "create account"
   a. Customer will refresh page
   b. Customer will contact customer support
2. Customer cannot log in after creating account
   a. Customer will refresh page
   b. Customer will contact customer support
3. Customer cannot submit form
   a. Customer will refresh page
   b. Customer will contact customer support

Use Case ID #0003: Edit Profile

Scope: Comp Sci Merch Store

Level: user goal

Primary Actor: Customer

Stakeholders and Interests:

>Customer – person that is interested in changing their profile details

>Staff – person of contact if profile system experiences issues

>Store Administrator– person overseeing staff and handling unordinary problems

>System maintainer – person responsibility for background maintenance and reliability of the profile system

Precondition: System has started up and user is logged in

Postcondition: Customer's profile is changed

Main Success Scenario:

1. Customer goes to change profile page
2. Customer clicks "edit profile"
3. Customer edits the fields of their profile they want changed (e.g. shipping and payment information, display name, legal name, password, email, security questions)
4. Customer submits the form
5. Information is checked for validity (correct format)
6. Profile page is refreshed with updated information

Extensions:

1. Customer cannot click edit profile
   a. Customer will refresh page
   b. Customer will contact customer support
2. Customer profile doesn't update
   a. Customer will reenter information and submit
   b. Customer will contact customer support

Use Case ID #0004: Check history

Scope: Comp Sci Merch Store

Level: user goal

Primary Actor: Customer

Stakeholders and Interests:

> Customer – person that is interested in checking their history

> Staff – person of contact if profile system experiences issues

> Store Administrator– person overseeing staff and handling unordinary problems

> System maintainer – person responsibility for background maintenance and reliability of the profile system

Precondition: System has started up and user is logged in

Postcondition: Customer is viewing their history

Main Success Scenario:

1. Customer goes to profile page
2. Customer clicks "view history"
3. Page is updated with all of the customer's shipping history

Extensions:

1. Customer cannot view profile page or history
   a. Customer will refresh page
   b. Customer will contact customer support

Use Case #0005: Updating Wishlist

ID Update Wishlist
Scope Comp Sci merch store
Level user goal
Primary Actor Customer
Stakeholders and interests

> Customer – person that is interested in maintaining a shopping wishlist.□
> Staff – person of contact if said wishlist experiences issues
> Store Administrator – person overseeing staff and handling unordinary problems
> System maintainer – person responsibility for background maintenance and reliability of the wishlist

Precondition: Wishlist is unchanged but existing (empty = existing)
Postcondition: Wishlist has had an item added or deleted
Main success scenario:

1. Customer logs in to site
2. Customer selects an item
3. Customer selects update wishlist with item
4. System updates user wish list accordingly
5. New wish list is available to user

Main success scenario (adding):

1. Customer logs in to site
2. Customer selects an item they may want to buy
3. Customer selects "add to wishlist" option
4. System adds item to user wishlist
5. Item will now display as being added to wishlist

Main success scenario (deleting):

1. Customer logs in
2. Customer selects "view wishlist" option
3. Customer looks at all items in wishlist
4. Customer selects 1 of the items
5. Customer selects "remove from wishlist" option
6. System removes item from user wishlist
7. Item will no longer display in user wishlist

Extensions:

1. System cannot add item to wishlist
   a. Customer will refresh page
   b. Customer will contact support
2. Wishlist spontaneously is deleted
   a. Customer will contact support
3. System prevents user from accessing wishlist
   a. Customer will contact support
   b. Staff may contact Store Administrator

4. System cannot remove item from wishlist
   a. Customer will refresh page
   b. Customer will contact support

Use Case #0006: Contacting

ID Contact Us
Scope Comp Sci merch store
Level user goal
Primary Actor Customer
Stakeholders and interests

      Customer – person that is interested in getting support or answers

      Staff – person responsible for answering customers

      Store Administrator – person overseeing staff and handling extreme cases/approving staff actions

      System maintainer – person responsible for maintaining contact system

Precondition: Customer has an area of concern/question
Postcondition: Customer concern of question has been satisfactorily answered
Main success scenario:

1. Customer logs in or continues as guest
2. Customer navigate to "contact us" page
3. Customer provides email address and name
4. Customer writes suggestion, comment, concern, or question.
5. Staff member receives customer suggestion, comment, concern, or question.
6. Staff member responds accordingly.
7. Any issues are resolved
8. Customer is content

Extensions:

1. If customer issue is above staff member jurisdiction
    a. Staff contacts Store Administrator to handle situation
2. Contact us page is broken
    a. System maintainer will be contacted and work quickly
3. Customer offers a suggestion
    a. Staff member will respond enthusiastically and appreciatively
4. Customer has a question about an order
    a. Staff member will provide all order details known
    b. A Store Administrator will be contacted
5. Customer has a concern about a payment
    a. Store Administrator will be contacted by staff immediately

Use Case ID #0007: Viewing Member Deals

ID View Member Deals
Scope Comp Sci merch store
Primary Actor Customer
Level user goal
Stakeholders and interests

Customer – person that is interested in getting good deals on merchandise
Staff – person of contact if deals are in question
Store Administrator – person overseeing staff and handling extreme cases, and approving staff actions, and designing deals
System maintainer – person responsible for maintaining system and displaying deals

Precondition: Customer is unaware of current promotions available to them.
Postcondition: Customer is fully aware of current promotions available to them.
Main success scenario:

1. Customer logs in to site
2. Customer navigates to "View Member Deals"
3. Customer is prompted to update their member status to receive more deals
4. Customer is shown all deals applicable to their member status
5. Customer is able to continue shopping

Extensions:

1. Customer agrees to update their member plan
   a. System updates member status
   b. Deals are updated
2. Customer cannot access deals
   a. Staff is contacted
   b. Staff contacts maintenance
3. Customer is displeased with options
   a. Staff is contacted
4. Customer has issues purchasing a sale item
   a. Staff is contacted
   b. Staff contacts maintenance

Use Case ID: #0008: Forgot Password

Scope: Baylor Computer Science Merchandise Store Account Management
Level: user goal
Primary Actor: User of the website
Stakeholders and Interests:
- Customer: wants to reset his/her password to be able to log in to the system
- Store Administrator: Wants to have records of who or what account has had a password change for security purposes
- Staff: Point of contact for any issues regarding account access.
- System maintainer – person responsibility for background maintenance and reliability of the log in system

Preconditions: The security questions have been set by the account creator
Success Guarantee (or Postconditions):
- The security questions have been answered properly
- It can be inferred that the user resetting the password is the user who is authorized to the account in question
- The password for the user has been reset to a new password of their choice
- The new password that was set has overridden the previous password. Therefore from this point in time onward the new password must be used for the user to log in to his/her account

Main Success Scenario (or Basic Flow):
1. User uses the option "Forgot Password"
2. The user is redirected to the place in the store where they must firstly answer security questions that they set in the past
3. The system provides the security questions, one at a time, and prompts the user for the answers for each, respectively
4. The system checks each answer as correct by comparing the answers given by the user and the answers stored for the account which the request for a password reset applies to.
5. The system prompts the user for the new password to reset the account to
6. The system will also ask the user to type the new password again in order to verify it
7. The user will type in the new password twice and will follow the password criteria given by the store
8. The user will submit the data to the system
9. The system will then set the new password data for the account
10. The user will be prompted with a success message and then redirected

Extensions (or Alternate Flows):
a. The user disconnects from the store
    i. The process will start over once they try to re-access the "Forgot Password" option
b. The system shuts down or fails
    i. The store should be restarted
    ii. The store should reconstruct its prior state
    iii. Any current changes such as purchases or password changes that were interrupted must restart

      iv.   The process of the password change will be logged as interrupted by system failure

  c. The user answers the security questions incorrectly

        i.   The system will prompt the user that the answer is incorrect

       ii.   The system will log the failed attempt

     iii.   The system will send a notification to the owner of the account for which a password change attempt was made

      iv.   The system will not continue any farther and will not allow the user to reset the password

  d. The new password and new password confirmation do not contain the same data

        i.   The system will prompt the user with an error, explaining that there is a difference between the passwords

       ii.   The system will then prompt the user again for the new password and a confirmation of the new password

     iii.   This process loops until the user leaves the "Forgot Password" process or successfully changes the password by entering two passwords that are the same and meet the password criteria

Frequency of Occurrence: As often as the user forgets his/her password or desires to change it. This can be as much as nearly continuous

Use Case ID: #0009: Put Item on Sale

Scope: Baylor Computer Science Merchandise Store Account Management
Level: vendor goal
Primary Actor: Vendors on the website
Stakeholders and Interests:
- Customer: wants to be able to buy more items
- Staff: Wants to sell more items, as it is directly related to and is its purpose
- Store Administrator: Wants to sell more items and make users like the store so that they will use it more often
- Product Vendor: Wants to sell items to make profits and make customers happy
- System Maintainer: Wants items to show to the user and responsible for system's ability to do so

Preconditions: The items must be acceptable under the store's policies and guidelines. The required data for the items must be provided
Success Guarantee (or Postconditions):
- The item that was posted is now on sale
- The item that was posted is now displayed in the store under the category that it was posted under
- The item data is now stored in the store for use of displaying

Main Success Scenario (or Basic Flow):
1. The item the vendor is adding and the information related to it conforms to the policies and guidelines of the store
2. The vendor uses the option to add an item to the store
3. The vendor is redirected to the place in the store where they must enter the information about the product they wish to list on the store
4. The system provides questions for the requested information for the item listing
5. The system stores the information that was input by the vendor
6. The vendor submits the information once it is complete
7. The item is now listed under the specified spot in the store and is visible to users The owners and managers of the store will be sent a notification of a new item being listed for sale

Extensions (or Alternate Flows):
e. The user disconnects from the store
    i. The process will start over once they try to re-access the put item on sale option as long as the process was not submitted and did not complete
f. The system shuts down or fails
    i. The store should be restarted
    ii. The store should reconstruct its prior state
    iii. Any current changes of the information being input for the item to sell that were interrupted must restart
    iv. The process of the new item to sell from the vendor will be logged as interrupted by system failure
g. The vendor inputs information in improper formats
    i. The system will prompt the user that the information format is invalid
    ii. The system will not continue and will wait
    iii. After waiting:

1. If the listing process ends, then this process will quit
2. If the user inputs proper data then this process will continue

h. The item listed for sale does not comply with the store's policies and guidelines
   i. The items will be removed after review by the store owners or managers
   ii. A log and report will be made of the removal based on conflict with store policies and guidelines

i. The quantity of the item is less than or equal to zero
   i. The vendor will be prompted that they cannot make a listing of zero or less items

Frequency of Occurrence: As often as the vendor desires to list more items for sale. This can be as much as nearly continuous

Use Case ID #0010: Edit Item

Scope: Baylor Computer Science Merchandise Store Account Management
Level: vendor goal
Primary Actor: Vendors on the website or Administrators of the website
Stakeholders and Interests:
- Customer: wants to be able to buy more items and see more details, or there are items that need to be archived to not take up as much space
- Staff: Wants to sell more items and not sell invalid items
- Store Administrators: Wants to sell more items and make users like the store so that they will use it more often
- Product Vendor: Wants to sell items to make profits and archive items that are not to be sold anymore so that there are not refund issues for items that are bought but not available. Wants to store items in the archive to sell again later
- System Maintainer: Wants items to show to the user with proper data

Preconditions: The items to be unarchived must be acceptable under the store's policies and guidelines. The items to be archived must exist

Success Guarantee (or Postconditions):
- The edits on the item are now shown for that item
- The edited item data is now stored in the store for future use

Main Success Scenario (or Basic Flow):
1. The item the vendor is editing and the information related to it conform to the policies and guidelines of the store
2. The vendor uses the option to edit an item that they have control over
3. The item data and information are listed
4. Changes can be made by the vendor to the information
5. The changes are saved once the vendor submits them
6. The owners and managers of the store will be sent a notification of the change

Extensions (or Alternate Flows):
j. The editing fails
    i. The process will start over once they try to re-access the edit item option as long as the process was not submitted and did not complete
k. The system shuts down or fails
    i. The store should be restarted
    ii. The store should reconstruct its prior state
    iii. Any current changes of the information being input for the item to sell that were interrupted must restart
    iv. The process of the editing will be logged as interrupted by system failure
l. The item being edited no longer exists
    i. The system will prompt the vendor that the item does not exist anymore
m. An edited item does not comply with the store's policies and guidelines
    i. The items will be removed after review by the store owners or managers
    ii. A log and report will be made of the removal based on conflict with store policies and guidelines

n. The quantity of the item when finished editing without being archived is less than or equal to zero

    i. The vendor will be prompted that they cannot make a listing of zero or less items

Frequency of Occurrence: As often as the vendor desires to archive or unarchive items, to start selling an item in the archive or to archive an item that is on sale. This can be as much as nearly continuous

Use Case ID #0011: Edit Any Item's Info

Scope: Baylor CompSci Merch store
Level: user goal
Primary Actor: Store Administrator
Stakeholderss:
- Store Administrator: Maintains store. Wants to update item info or remove item
- Product Vendor: Person or group selling product on store. Wants the info of their product updated or the removal of a discontinued product

Preconditions: The user must be identified as a store admin.
Postconditions: The item info is updated or removed from the store and the changes have been recorded in the database or wherever the data is located.
Main success Scenario:
1. The admin has an item(s) they would like to change info on or remove
2. The admin chooses to search for an item to edit/remove.
3. The system responds with possible matches to the keywords entered.
4. The admin finds the item he wishes to edit/remove
   a. *If admin wants to delete jump to 8*
5. The admin selects "Edit item info option"(only visible to admin)
6. The admin edits the item info and then selects update.
7. Prompt for "Are you sure you want to update item info?"
   a. *Jump to 10*
8. The admin selects "remove item from store"(only visible to admin)
9. The system prompts "Are you sure you want to remove *item*?"
10. The item info is updated. If removed, archive item info and make it not-visible on store. If edited, record edits to the item info.
11. The system returns to page with previous search showing.
12. Admin can repeat steps 2 through 11 till done

Extensions:
a. The Admin accidentally deletes the wrong item and needs to undo.
   i. After every deletion or edit action, and undo option is presented.
   ii. The admin selects undo.
   iii. The system returns the item to its previous state

Frequency of Occurrence: Quite often.

Use Case ID #0012: Create Promotions

Scope: Baylor compSci merch store
Level: user goal
Primary Actor: Store Administrator
Stakeholders:
- Store administrator: Maintains store. Wants to promote certain items or create sales or promotional codes easily.
- Product Vendor: Person or group selling product on store. Wants their currently selling items be able to be connected to a possible promotion or sale to bump sales
- Customer: Person who browses and uses the store to purchase products. wants to see promotions to possibly save money

Preconditions: Admin is logged in and on the admin options page with a promotion they would like to add

Postconditions: The promotions are created and added to the front page. If a promo code was created then they will be recorded with their effects so they can be checked for at checkout. The affected items prices are modified at checkout if from an applied promo code or modified on the item info if from a sale.

Main Success Scenario:
1. Admin clicks on "Create promotion" option on admin only options page
2. System presents page asking what type of promotion they would like to create.
   a. Options are Sale or promo code
3. Admin selects option desired
4. The admin decides the percent off that the sale will be or the promo code will apply.
5. The admin then selects which items will be affected by promotion.
   a. There is option where promotion is applied to every item on store.
   b. Option to apply to all items in a category.
   c. Option to search and apply to items individually
6. The admin then selects confirm promotion.
7. The system records all the info and updates the store information depending on type of promotion and other options selected.
8. System returns to admin only options page.

Extensions:
a. An item failed to have the promotion applied to it.
   i. System informs the admin which items failed to have promotion applied to them

Frequency of Occurrence: Not to often, bet definitely not a rare occurrence.

Use Case ID #0014: View Other Accounts

Scope: Baylor compsci merch store

Level: user goal

Primary Actor: Store Administrator

Stakeholders:
- Store Administrator: Maintains store. wants to view all other accounts for the purpose of managing users.

Preconditions: Admin is logged in and on the admin options page

Postconditions: The list of user accounts is displayed on screen. The ability to search them or sort by name, id number, or member level is available.

Main Success Scenario:
1. The admin wants to find a particular user or see list of accounts on the service
2. The admin selects the "View Other accounts" option.
3. All user accounts are loaded and sorted by name from A to Z
4. The admin can select the search bar and search for a specific user or choose to sort the list by name, id number, or member level ascending or descending.
5. The admin does what he wants with the info.
6. Admin leaves page or searches for new user or sorts again.

Frequency of Occurrence: Not often

Use Case ID #0015 : Search for Items

Scope: Comp Sci Merch Store

Level: User Goal

Stakeholders:

      Customer -- Person that is interested in finding an item within the store

      Store Administrators -- People in charge of managing the store

Precondition: System is up, item may exist within system.

Postcondition: Item is found and presented to customer, or item is not found.

Main success scenario:

1. Customer enters item name
2. Item is found, presented to customer

Extensions:

    a. Anytime item is not found

        1. Message is printed
        2. Customer can be directed to contact us if they want to suggest item

    b. Anytime system fails

        1. Error message is printed
        2. Message is sent to system managers

Use Case ID #0016: Put item in cart

Scope: Comp Sci Merch Store

Level: User Goal

Stakeholders:

       Customer -- Person that is interested in buying an item within the store

       Store Administrators -- People responsible for managing the store

Precondition: System is up, customer has found item they wish to purchase

Postcondition: Customer has added item to cart.

Main success scenario:

1. Customer finds item within store
2. Customer adds item to cart

Extensions:

    a. Item is out of stock

        1. Error message displayed

        2. Item cannot be added

    b. Anytime system fails

        1. Error message is printed

        2. Message is sent to system managers

Use Case ID #0017: View item descriptions/images/reviews

Scope: Comp Sci Merch Store

Level: User Goal

Stakeholders:

    Customer:

    - Person that is interested in viewing an item and its accompanying details

    Store Administrators:

    - People responsible for managing the store

Precondition: Item exists within the store and item is presented and in front of user.

Postcondition: Item descriptions, images, reviews are posted to screen.

Main success scenario:

1. Item is found.
2. User clicks into item.
3. Item's descriptions, images, and reviews are all pulled up with item.

Extensions:

a.   No description of item

     1. Images and reviews are displayed.

b. No images of item

     1. Description and reviews are displayed.

c.   No reviews of item

     1. Description and images are displayed.

b. Anytime system fails

     1. Error message is printed

     2. Message is sent to system managers

Use Case #0018: Review and Edit an Order

Scope: Baylor Computer Science Merchandise Store

Level: sub-function

Primary Actor: customer

Stakeholders and Interests:
- Customer: Wants easily visible display of items present in cart at checkout time and to be able to edit the quantity of each item. Wants the price of each individual item displayed next to the quantity of the item. Wants ability to alter quantity of items being purchased or delete an item they no longer want to purchase.
- System Administrator: Wants accurate representation of what is about to be purchased and satisfy customer interests. Wants automatic update of inventory.
- Staff: person of contact if any ordering issues occur
- System maintainer Person responsible for background maintenance and reliability of the order

Preconditions: Items for purchase exist and are in cart.

Success Guarantee (or Postconditions): Customer is satisfied with items and quantity in the cart and proceeds to checkout.

Main Success Scenario (or Basic Flow):
1. Customer clicks on 'Proceed to Checkout' button.
2. Customer modifies quantity of items in the cart if necessary.
3. System presents total (pre-tax) of all the items in the cart.
4. Customer confirms the items in the cart and proceeds to enter payment options.

Extensions (or Alternate Flows):
- a. Customer cancels sale on system
    - i. All items are removed from the cart by editing the order
    - ii. System is closed by the customer without further action
- b. Customer is unable to alter the quantity of individual items in the cart
    - i. System sends an error to the Company
- c. Customer is unable to see the image of the item in the cart
    - i. System sends an error
    - ii. Refresh button appears to reset the image displayed

Use Case #0019: Select Payment Option

Scope: Baylor Computer Science Merchandise Store
Level: sub-function
Primary Actor: Customer
Stakeholders and Interests:
- Customer: Wants to choose payment option best suited for their personal financial situation. Wants easily navigable layout for entering potential card information. Wants visible total including tax.
- Staff: person of contact if any payment issues occur
- Store Administrator: Person overseeing staff and handling unordinary problems
- System maintainer Person responsible for background maintenance and reliability of the payment

Postconditions: payment method is valid and confirmed by Payment Authorization Services.
Main Success Scenario:
1. Customer enters payment information in the form of card information, either credit or debit.
2. Payment is authorized through Payment Authorization Services.
3. Customer proceeds to entering shipping information and method.

Extensions (or Alternate Flows):
a. Payment Authorization Services denies card information
    i. Customer is informed of incorrect or invalid information
    ii. Customer is prompted to re-enter information
b. Customer enters a promotional code
    i. System checks validity of promotional code
        1. If code is valid, system applies discount to total
        2. If code is not valid, customer is informed and prompted to retry with a different code
c. Customer pays through external payment system
    i. System links customer to finish transaction process through external service

Use Case ID #0020: Select Shipping Option

Scope: Baylor Computer Science Merchandise Store

Level: sub-function

Primary Actor: customer

Stakeholders and Interests:
- Customer: Wants range of shipping options and prices displayed in an easily visible style. Wants estimates of how long each option will take. Wants methods best suitable for their living situation.
- System Administrator: Wants easy access of shipping information and methods so customer can receive items in timely manner. Wants record of items being purchased and storage of information for faster future checkouts.
- Staff: person of contact if any shipping issues occur
- Store Administrator: Person overseeing staff and handling unordinary problems
- System maintainer: Person responsible for background maintenance and reliability of the shipping

Preconditions: Items in the cart have been confirmed.

Postconditions: Shipping method is chosen and order is added to the queue of pending orders to be shipped.

Main Success Scenario (or Basic Flow):
1. Customer enters address for shipping method.
2. Customer is presented with various shipping options with different arrival times and prices.
3. Customer picks shipping option best suited for their needs.
4. The order is submitted and Shipping Fulfillment Center is notified.

Extensions (or Alternate Flows):
a. Customer enters invalid shipping information
   i. System records error
   ii. Customer is prompted to re-enter shipping information
b. Shipping options are not displayed accurately
   i. System notifies company and shipping fulfillment of error
   ii. Options are refreshed by the system

Use Case Diagrams

system

Edit ANY item

a

Create Promotions

system administrator

View Accounts

System

Check History

Put Item on Sale

Product Vendor

Edit Item
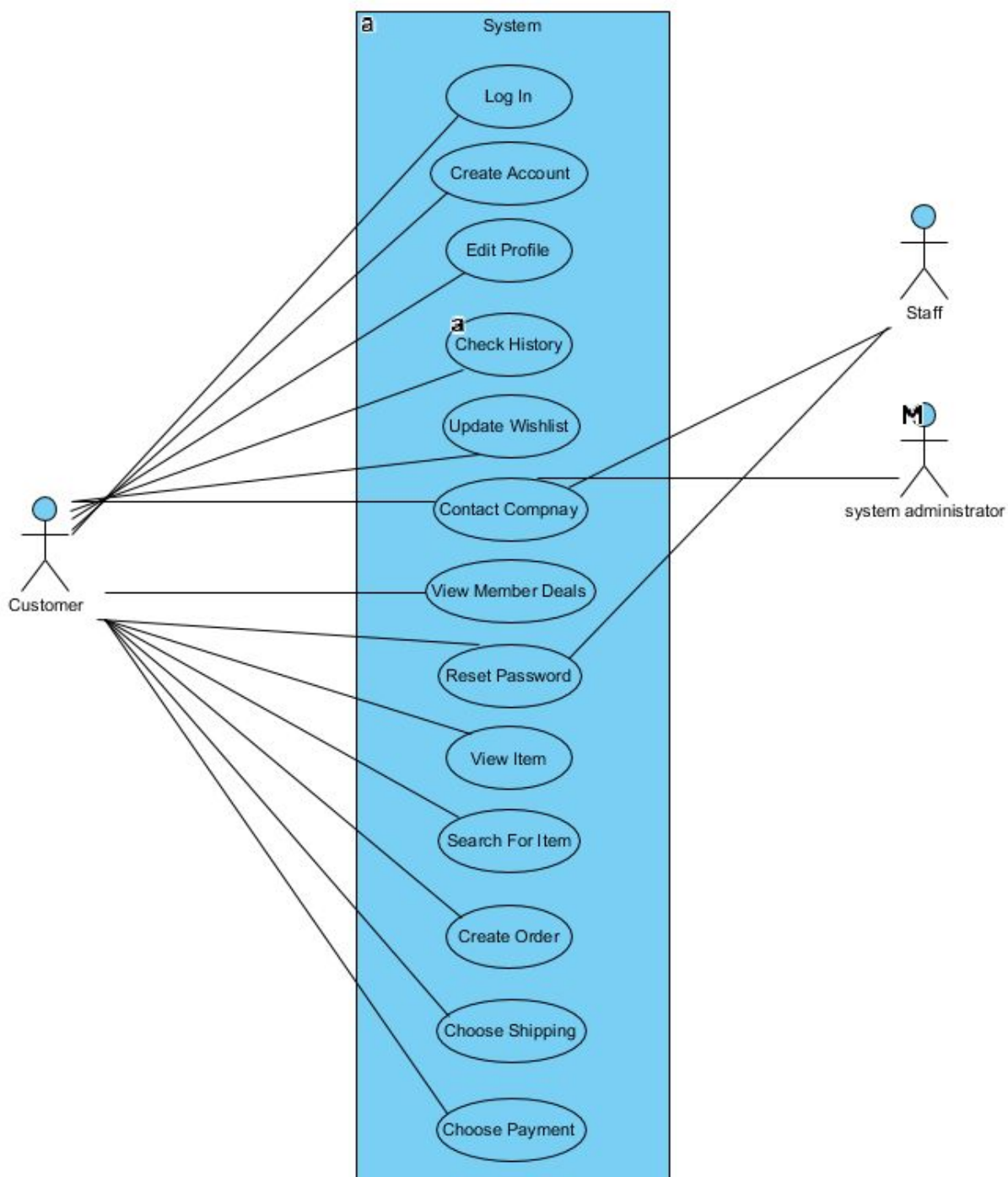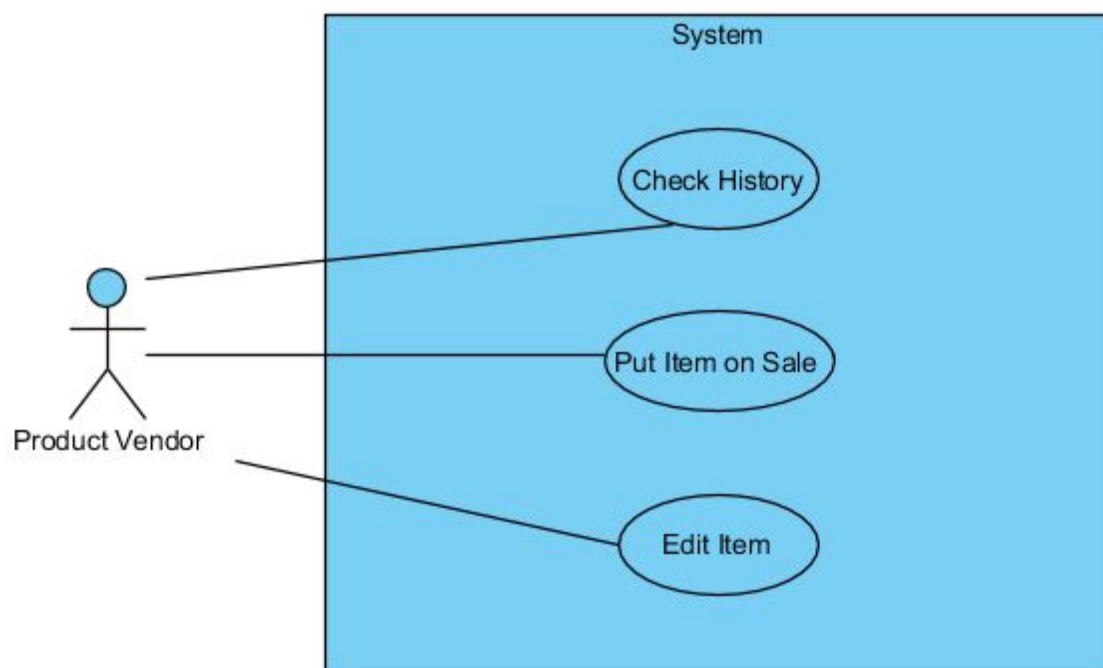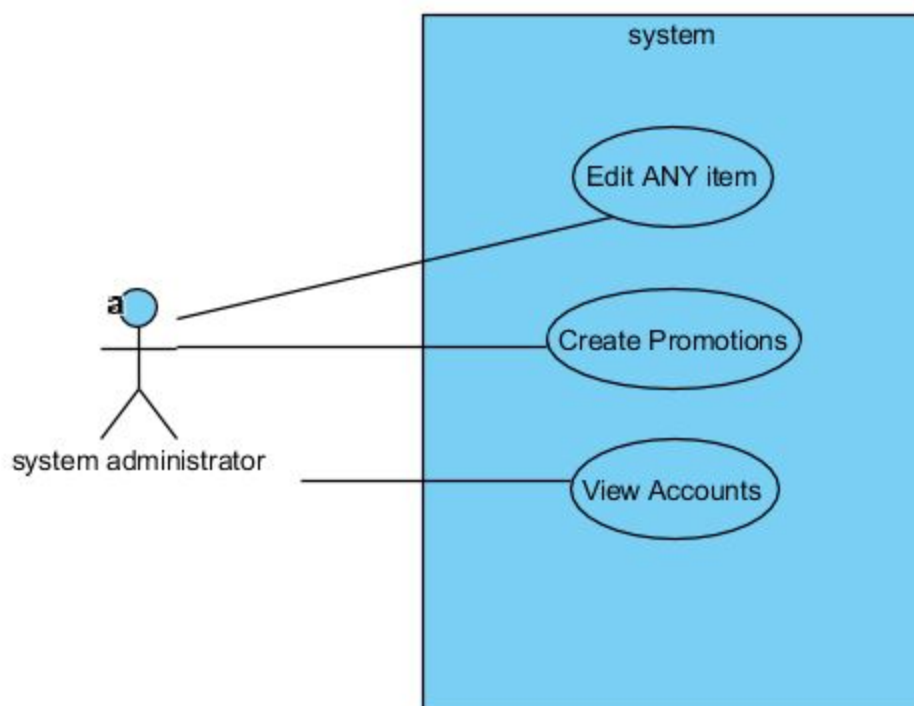
System Sequence Diagrams

UC ID # 0001: Log In
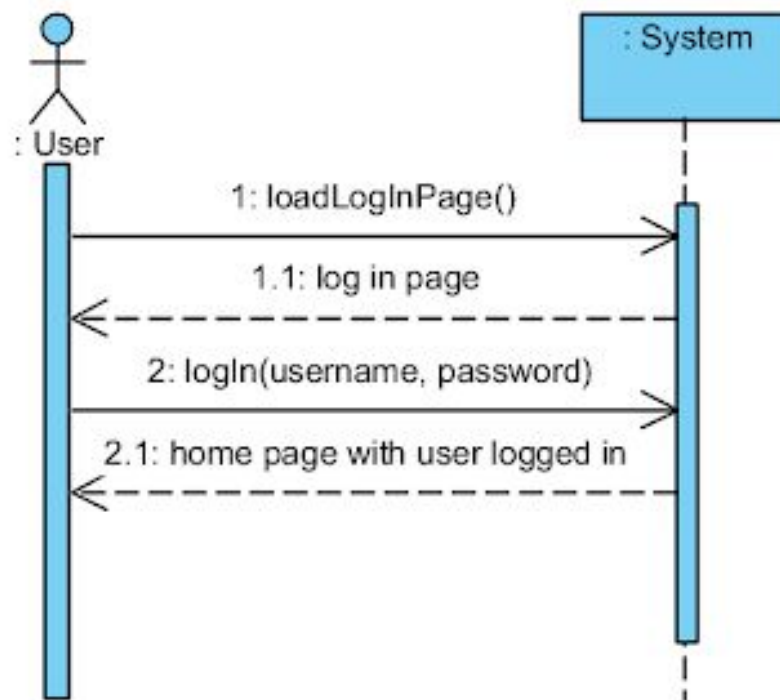
UC ID #0002: Create Account
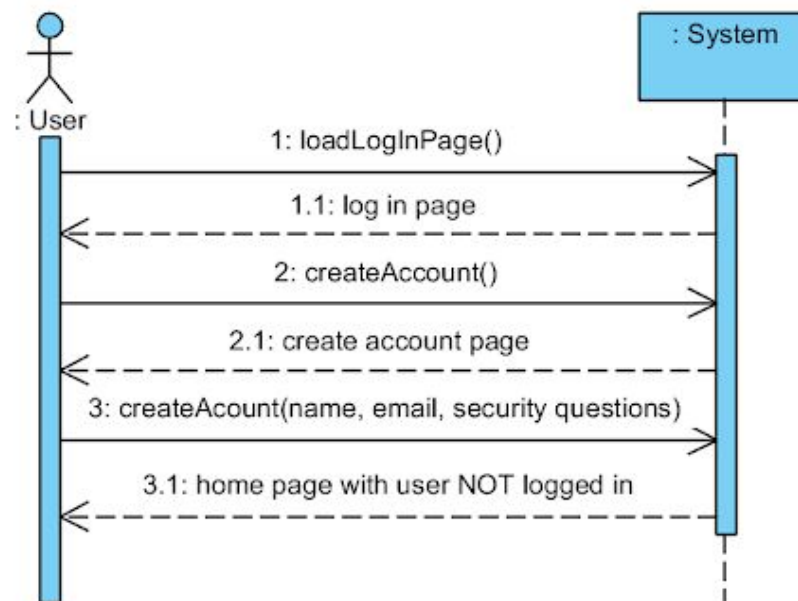
UC ID #0003: Edit Profile
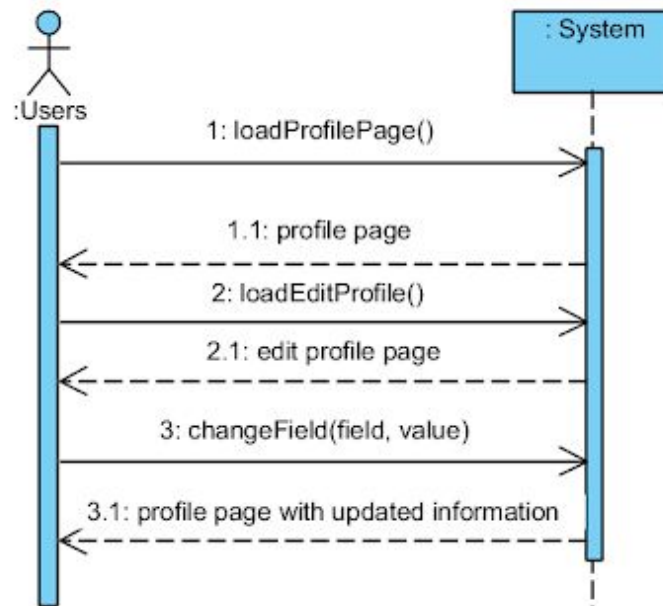
UC ID #0004: View History
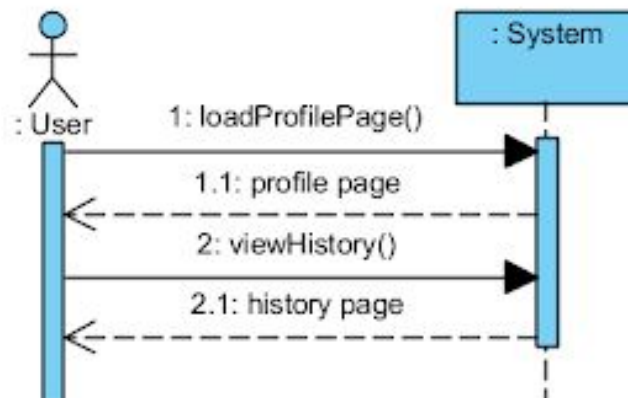
UC ID #0005: Update Wishlist
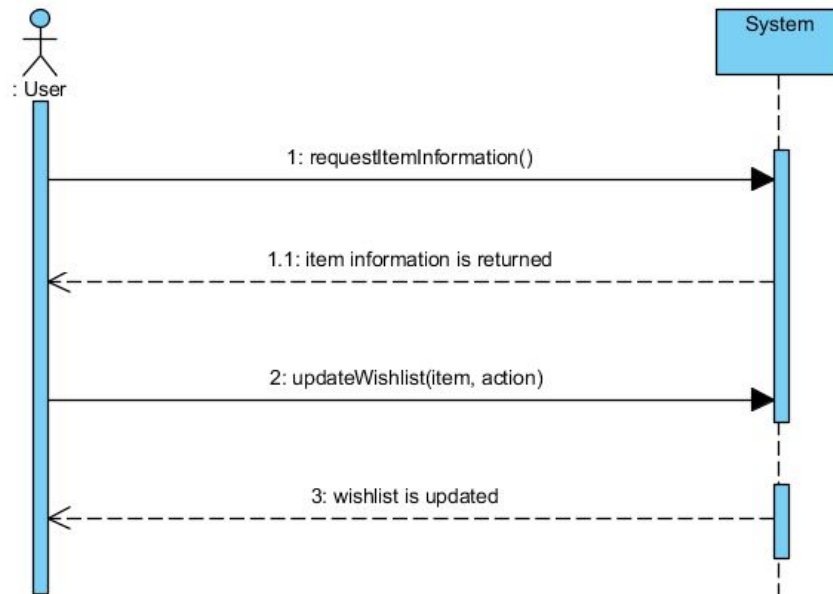
UC ID #0006: Contact Us
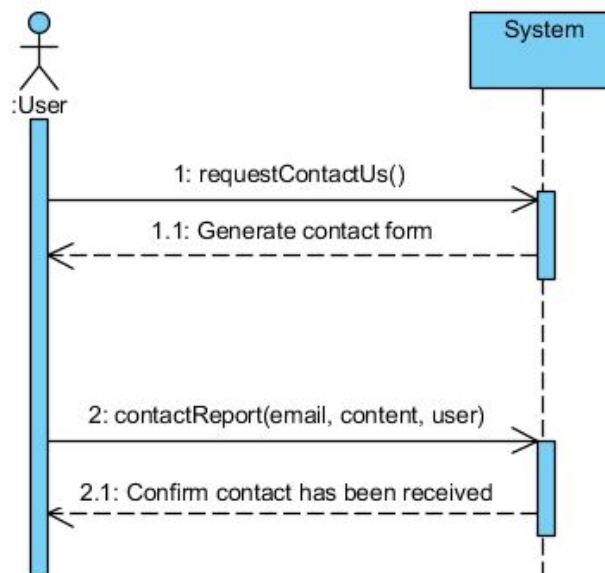
UC ID #0007: View Member Deals
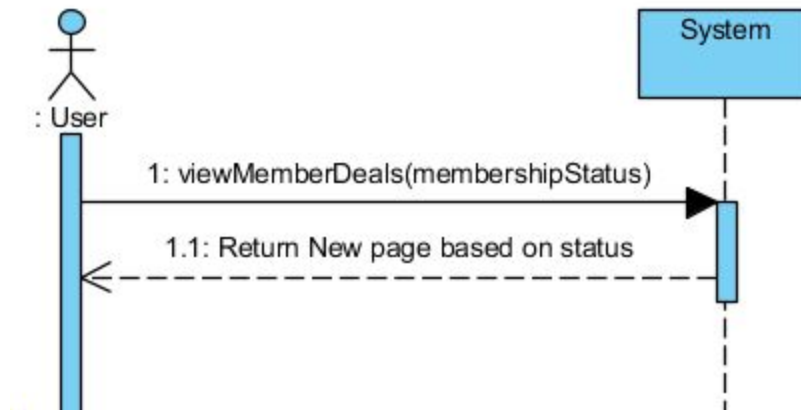
UC ID #0008: Forgot Password (security questions)

UC ID #0009: Put Item on Sale


```
Vendor                          System

1: putItemOnSale(item)
─────────────────────────────►

1.1: receive item to be sold
◄ - - - - - - - - - - - - - -

2: answerItemInformation(item,information)
─────────────────────────────►

2.1: Store the given information
◄ - - - - - - - - - - - - - -
```

UC ID #0010: Edit Item


```
Vendor                          System

1: editItem(item)
─────────────────────────────►

1.1: Show current information
◄ - - - - - - - - - - - - - -

2: editItemAttributes(item)
─────────────────────────────►

2.1: Show item and update on the store
◄ - - - - - - - - - - - - - -
```
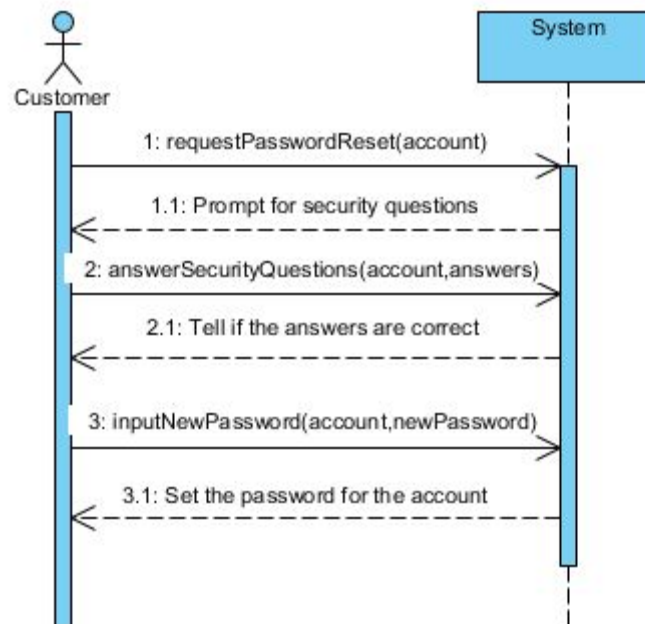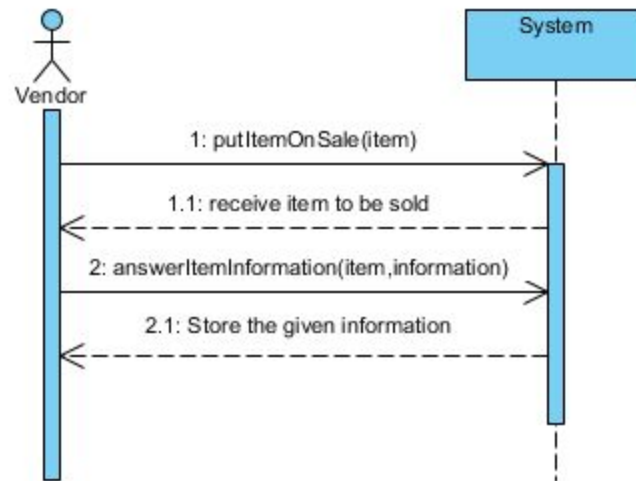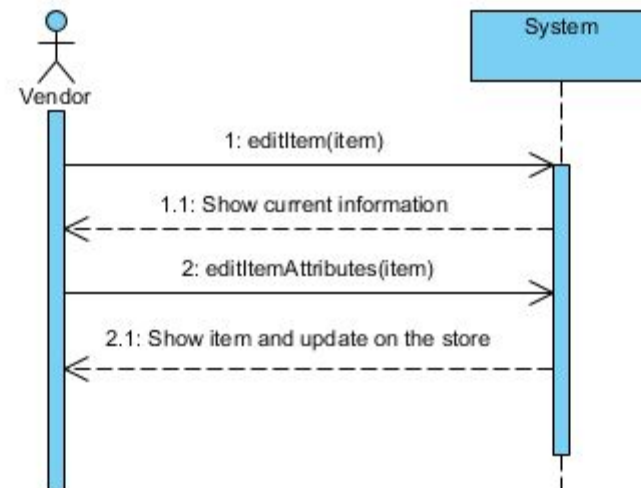
UC ID#0011: Edit item's info
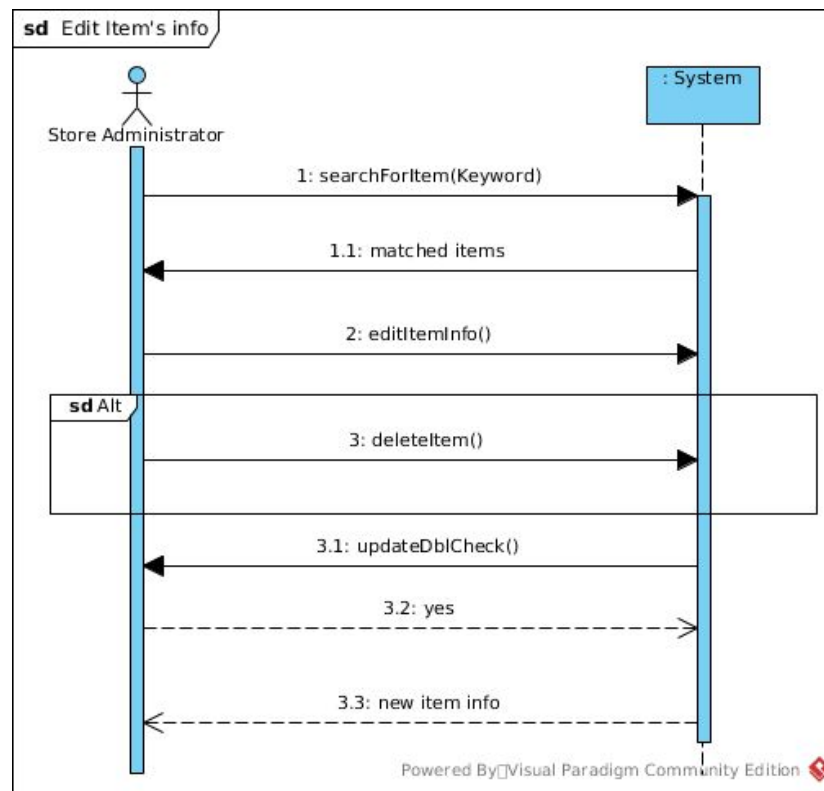
UC ID#0012: Create Promotions
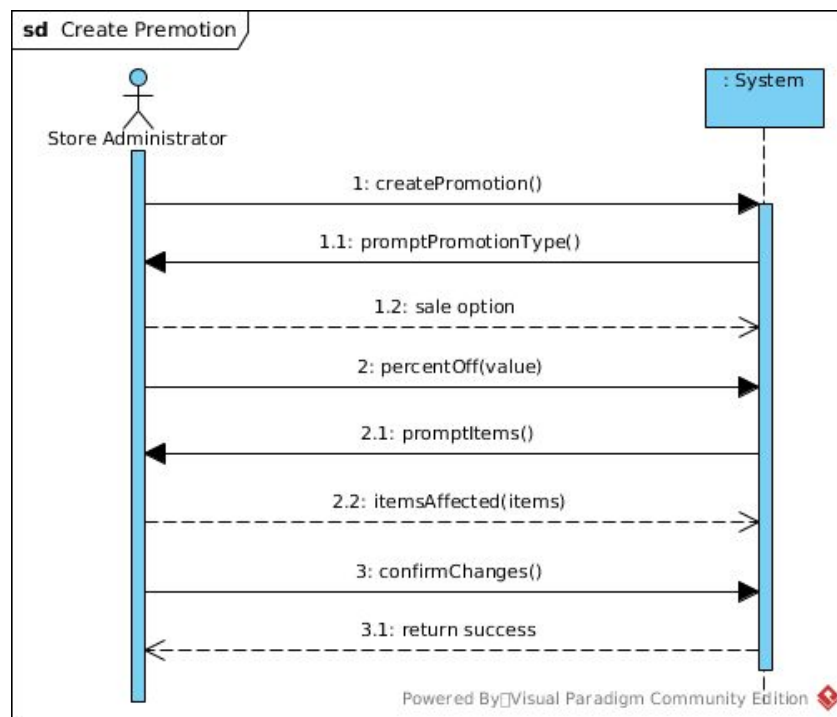
UC ID#0014: View Other Accounts
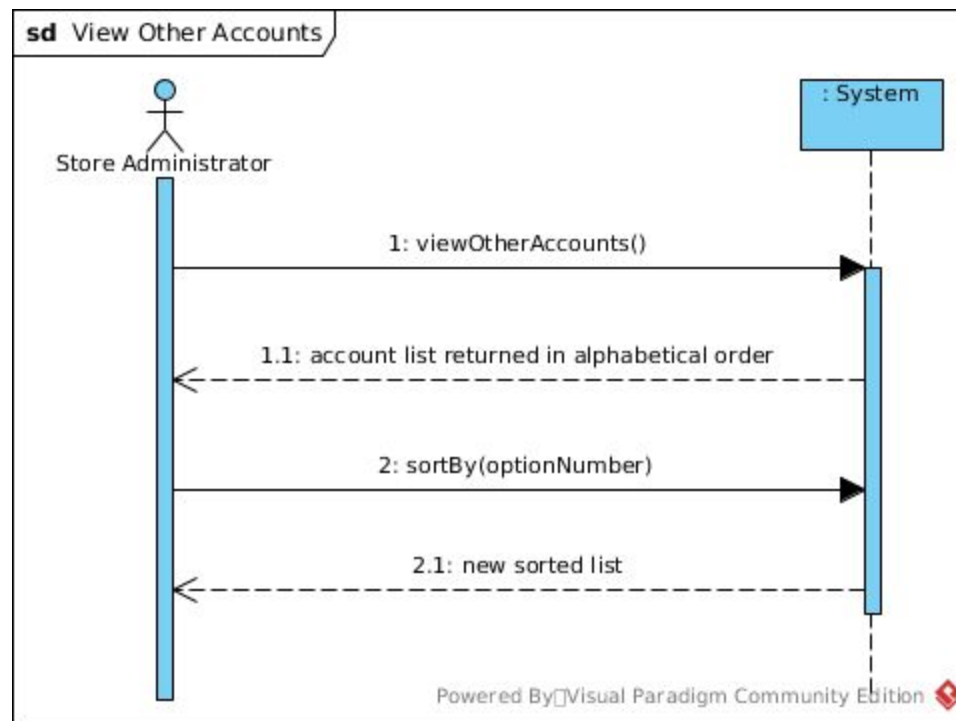
UC ID#0015: Search for Items

UC ID#0016: Put item in cart

User   System

1: putIteminCart()

1.1: Item added to cart

2: putIteminCart()

2.1: Item out of stock, message printed

3: putIteminCart()

3.1: System fails, error message displayed

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UC ID#0017: View item descriptions/images/reviews

User   System

1: viewItem()

1.1: Item's descriptions, images, and reviews are shown

2: viewItem()

2.1: No description, images and reviews shown

3: viewItem()

3.1: No images, description and reviews are shown

4: viewItem()

4.1: No reviews, images and description are shown

5: viewItem()

5.1: System fails, error message displayed

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UC ID#0018: Review/Edit Order
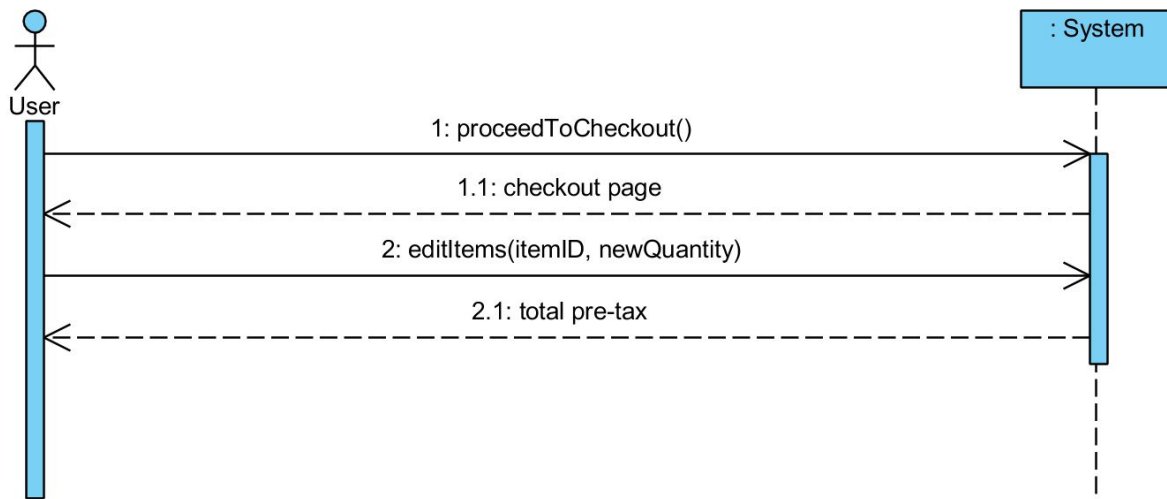
UC ID#0019: Enter Payment info and promo codes

UC ID #0020: Select Shipping Option

User

: System

1: enterShippingInfo(address, street, city, state, zip)

1.1: authorization of address && shipping options

2: selectShippingMethod(option)

2.1: total including shipping

3: confirmOrder()

3.1: digital confirmation of order
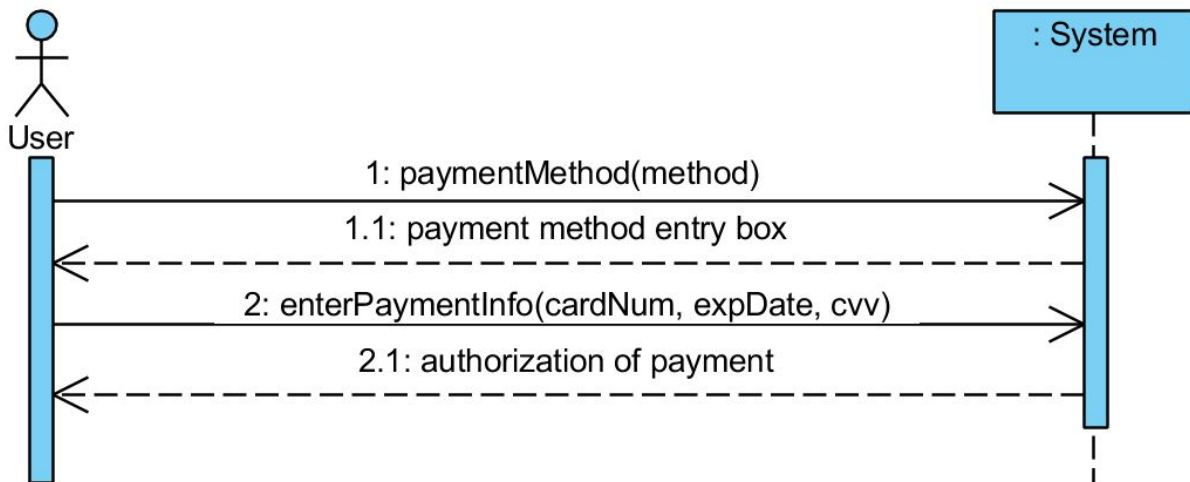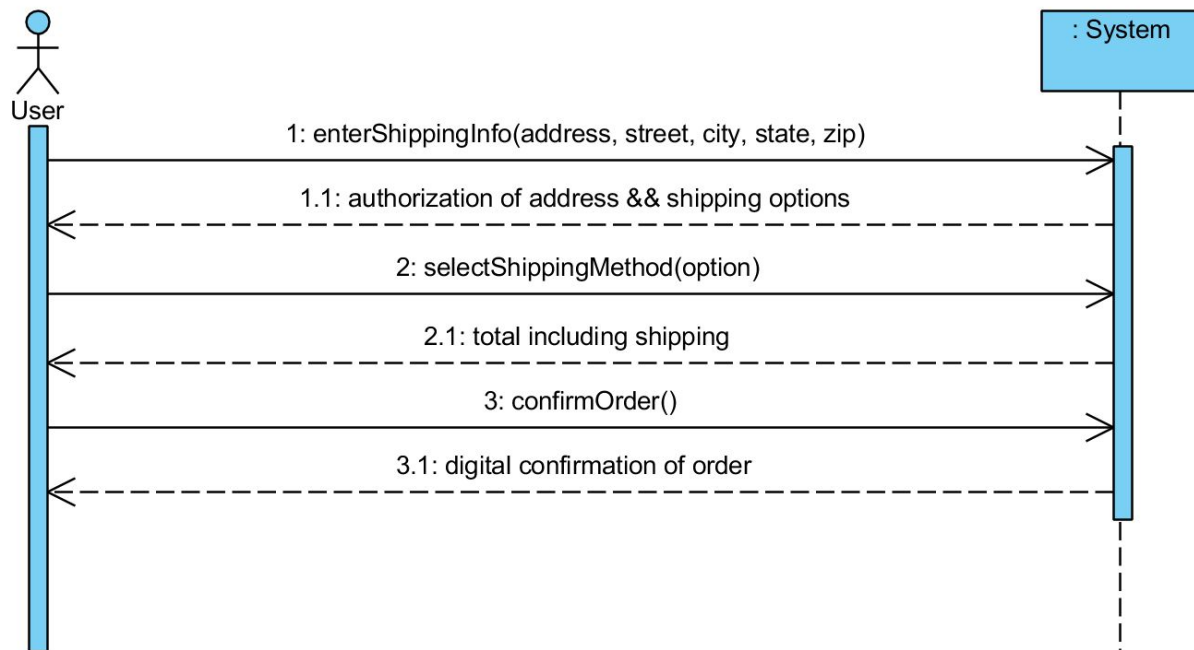
<u>Wireframes</u>

Home Page
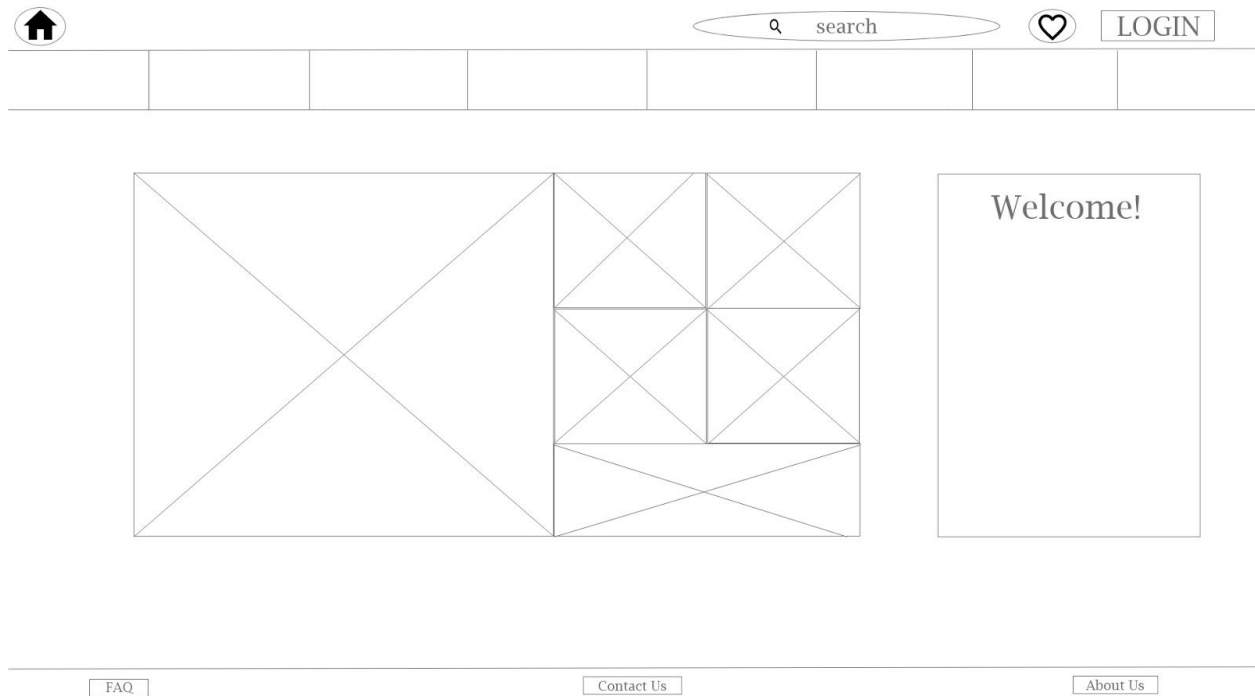
Login Page

LOGIN

Username

Password

Enter   Continue as
             a guest

Create Account   Forgot Password?

Create an Account

Create an Account

Select a Username:

Enter a Password:

Confirm Password:

Enter email:

Confirm email:
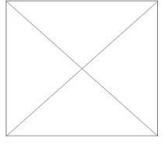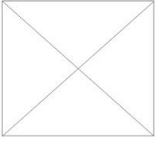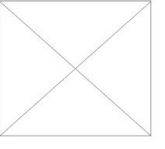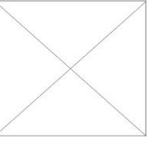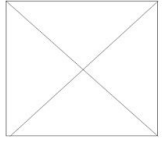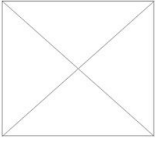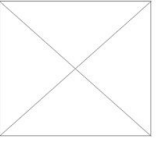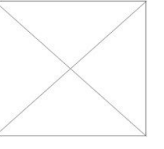
Sign Up!

Product Page - all
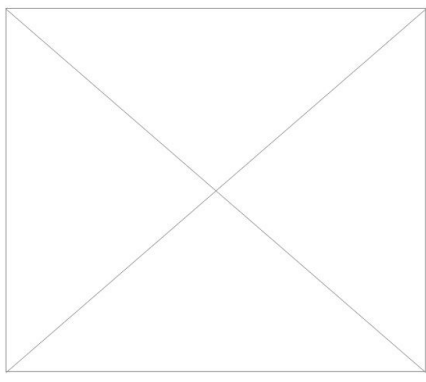
Product Page - Individual

Product Name

★★★★★ View Reviews

Product Details:

Select Size

Quantity

Add to Cart

Product Specifications:

Review and Edit Order

🏠   🔍   search   ♡   LOGIN

Review and Edit Order

Order Summary:

Subtotal:

Product Name
Quantity: [X ⌄]
Size: [X ⌄]

Product Name
Quantity: [X ⌄]
Size: [X ⌄]

Product Name
Quantity: [X ⌄]
Size: [X ⌄]

Proceed to Checkout
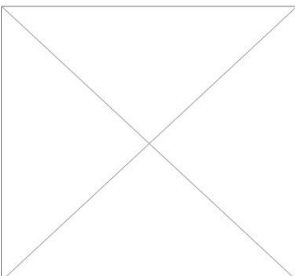
FAQ   Contact Us   About Us

Add/Edit Item

🏠   🔍   search   ♡   LOGIN

Add/Edit an Item:

Enter Product Name

Enter Product Details...

Upload Image   Browse...

Enter Sizes:

Enter Max Quantity:

Enter Product Specifications...

FAQ   Contact Us   About Us

Order - Shipping Options

🏠　　　🔍 search　　♡　LOGIN

Shipping Information:

Address Line 1

Address Line 2

City　　　　　State

Zipcode

Shipping Options:

☐ _____

☐ _____

☐ _____

☐ _____

Subtotal:

Proceed to Payment Information

FAQ　　　　　Contact Us　　　　　About Us

Contact Us

🏠　　　🔍 search　　♡　LOGIN

Contact Us

Name:　　　　　　Email:

Phone Number:

Message:

Submit

FAQ　　　　　Contact Us　　　　　About Us

Product Reviews

Product Reviews:

★★★★★

★★★★

★★★★★

FAQ   Contact Us   About Us

Main Item Page

FAQ   Contact Us   About Us