Cairo University

Faculty of Computers and Artificial Intelligence

CS251

Intro. to Software Engineering

YAO

Software Requirements Specifications

Version 1.0

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CS251: Phase 1 – YOA
Project: CandyBuy

Software Requirements Specifications

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Project: CandyBuy

Software Requirements Specifications

Team

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Introduction

The purpose of this document is to clarify software requirements that are agreed upon by the stakeholders by specifying the needed functionalities of the software to minimize development time and cost by making the requirements clear. The target audience are the developers who will implement all the requirements.

Software Purpose

- To make shopping for candies so much easier and accessible to every one
- Make it easier to owners to manage their business

Software Scope

- Buying candies online
- Reordering past orders
- Managing loyalty points
- Managing discounts and catalog

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Software Requirements Specifications

Definitions, acronyms, and abbreviations

Phrase	Definition
Loyalty points	Those are points given to every user with every purchase and can be redeemed for money to spend on the site.
Maintainability	The ability to maintain the software by constant checks and tests.
Scalability	It's the measure of a system's ability to increase or decrease in performance and cost in response to changes in application and system processing demands.
Resource usage	It's how much the software will the software consume hardware resources.
Computing platform	It's the platform that the software will process on.
Availability	It's the measure of how much will the software will be available in a period of time.
Reliability	It's the probability of failure-free operation of the software for a specified period.
Development process	It describes the development approach that will be taken.

Software Requirements Specifications

Functional Requirements

Requirement ID	Statement
FR01	Upon opening the website, the user shall see a homepage displaying best-seller products sold by the store along with a sign up/sign in button.
	Each item will be composed of the following data: - Name - Category - Description - Image - Brand - Price - Discount percentage if any
FR02	Upon clicking on the sign up button, the user shall see a sign up page including personal information asked by the sign up page. These personal information fields are: - E-mail - Password - Address
FR03	The E-mail field should validate the following: - Check if the Email exists and is valid - Check if the Email has never been used before for creating an account - Validate the account using a One Time Password(OTP) sent to the Email entered. Upon valid OTP, the registration is approved. - Otherwise, the registration is rejected and no account is created.
FR04	The password field should adhere to secure password requirements
FR05	Upon clicking on the sign in button, the user shall be prompted with two fields asking him to input his/her E-mail and password.

Software Requirements Specifications

FR06	The user shall view the products using the following categories: - All items - Best-seller products - Type/Brand of candy
FR07	There will be a search bar allowing the user to search for a specific product/brand.
FR08	Upon logging in, the user will be able to add products to his/her shopping cart.
FR09	The shopping cart shall have the following properties: - Allows the user to change a product's quantity, or remove an item - Validates that the quantity of a single sealed item is bound within a maximum of 50 units. - Validates that the weight of a single loose item is bound within a maximum of weight of 50 kilograms
FR10	There will be a separate web page dedicated for the purchases of gift cards.
FR11	In the checkout, there will be the following payment options: - Cash On Delivery (COD) - can be used to pay for an order (or the remaining amount if any) - Smart Wallets – can be used to pay for an order (or the remaining amount if any) - One or more gift vouchers – the value of this/these vouchers shall be subtracted from the total sum. - Loyalty points can be redeemed to pay for an order or a part of an order.
FR12	If Cash on Delivery (COD) is selected, the user should enter a valid phone number which is verified by a One Time Password (OTP) sent to the user to be entered to the system for successful verification.
FR13	Upon a successful purchase, the user shall earn loyalty point according to the scheme decided by the admin.

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FR14	After successful payment, the user will be prompted to choose whether to use the shipping address on his/her profile or to enter another address.
FR15	In the shipping cart, there shall be an option called 'reorder'. Upon clicking on the reorder button, the user will be prompted to re-order the previous order with the same quantities.
FR16	In the user profile, there will be a category called 'Order History'. This will enable the user to view all of the his/her previous order activity/history.
FR17	The system administrator will have a dedicated page to be able to manage items in the following ways - Update catalogue with new items - Cancel items - Update item information

FR18	The system administrator will have a dedicated page to view the following information about the system:
	- Order made by users
	- Statistics about the following:
	   o Daily sales
	   o Monthly sales
	   o Sales of a time in a given period of time
	   o Most popular products

FR19	The system administrator will have the privileges to do the following each in a dedicated page: - Set a loyalty points scheme - Suspend a user
FR20	The system owner has the privilege of adding new system administrators.

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Non-Functional Requirements

Non-Functional requirements ID	Statement
Performance	Every panel should take about 3 seconds to load
Scalability	The site should support up to 1000 simultaneous users without experiencing a drop in performance
Resource usage	-The website shouldn't use more than 50 mb of the memory - system must consume less than 2% of the CPU's time when run on a 1.8GHz machine under a certain operating system.
Maintainability	-The code should be well-organized and easy to understand, with clear documentation. -The site should be tested regularly to ensure that it is working properly.
Reliability	The server shouldn't suffer more than one failure in 4 months.
availability	The site should be available 95% of the time and its down time shouldn't exceed 20 mins in 20 years span
Recovery from failure	The system should be recovered within 12 hours of failure
Computing platform	The website should be working on every browser on every operating system
Development process	Our approach in the development should be agile

Software Requirements Specifications

System Models

Use Case Model

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Software Requirements Specifications

System Navigation Map
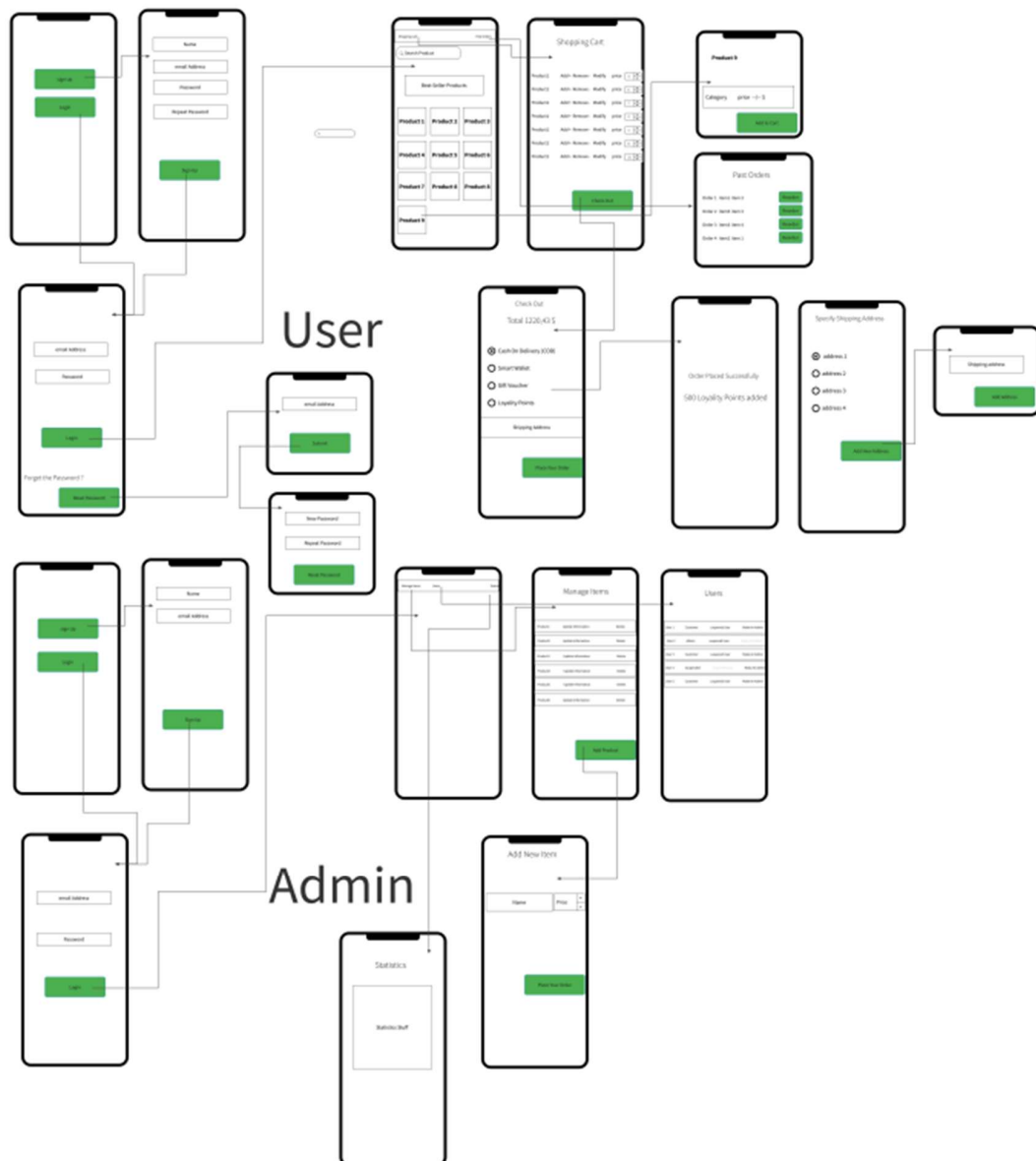
Please refer to this link for a clear view of the system navigation map:

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https://wireframepro.mockflow.com/view/MqaM20nIGh

Enriched User Stories

- **User Story #1**

	US01
User Story Name	Browsing Products on the Homepage
Actors	**Customer**
Description	**As a** customer**,** **I want** to be able to browse the best-seller products on the homepage **so that** I can easily see what the store has to offer.
Per condition	None
Post condition	Customer is able to view the best-seller products on the homepage.
Acceptance Criteria	**Given** that the customer visits the website**,** **When** the customer opens the homepage**,** **Then** the customer is able to view the best-seller products.

- **Scenarios**

Normal Scenario

Actor Action	System Response
1- Customer visits the website	
2- Customer opens the homepage	
	3- System displays the best-seller products. Customer can view the best-seller products.

- **Screen Design**

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- **Data Dictionary:**

Not applicable since no data is manually entered by the user at this stage

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- **User Story #2**

User Story ID	US02
User Story Name	Signing Up for an Account
Actors	Customer
Description	**As** a customer **I like** be able to sign up for an account **So** that I can I can easily make purchases and track my orders.
Per condition	Customer is not signed in.
Post condition	Customer is signed up for an account.
Acceptance Criteria	**Given** that the customer visits the website, **When** the customer clicks on the sign-up button, **Then** the customer is redirected to the sign-up page.

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- **Scenarios**

   Normal Scenario

Actor Action	System Response
1- Customer clicks on the sign-up button	
	2- System redirects the customer to the sign-up page.
3- Customer enters their personal information	
	4- System validates the information and creates a new account for the customer.
4- Customer is redirected to their new account page.	

- **Screen Design**

Software Requirements Specifications
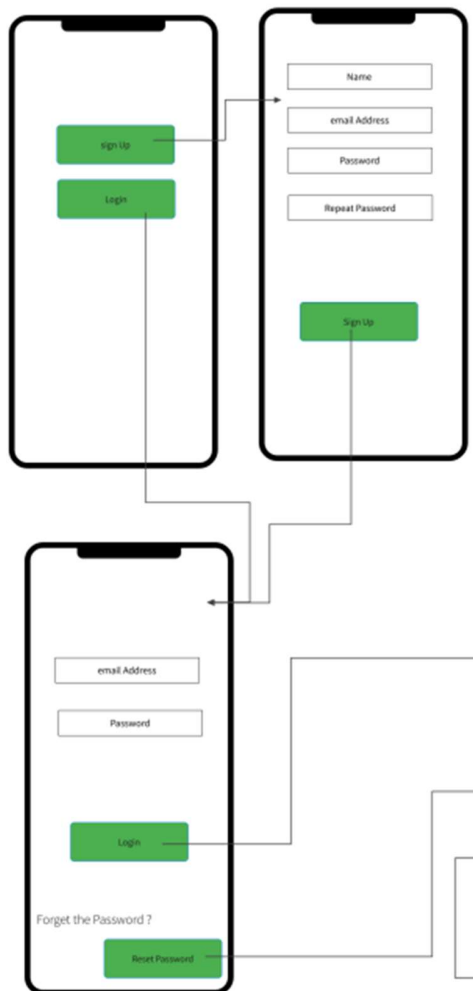
- **Data Dictionary:**

Element Label	Type/Length	Data Validation / Business Rule
Name	String(max 500 char)	Name format
Email	String(max 500 char)	Email format
Password	String	Strong password format
repeatPassword	String	Matches Password

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User Story #3

User Story ID	US03
User Story Name	Validating Email Field
Actors	**System**
Description	**As** a system, **I want** to validate the email field **so** that I can ensure that the email address is valid and unique.
Per condition	Customer is signing up for an account
Post condition	The email field is validated and the account is created.
Acceptance Criteria	**Given** that the customer enters their email address, **When** the system validates the email address, **Then** the system confirms that the email is valid and unique.

- ### Scenarios

Normal Scenario

Actor Action	System Response
1- Customer enters their email address	
	2- System validates the email address
	3- System confirms that the email address is valid and unique
4- Customer is able to continue with the sign-up process.	

Exceptional Scenario

Actor Action	System Response
1- Customer enters an invalid or already used email address	
	2- System displays an error message
3- Customer is not able to continue with the sign-up process.	

Software Requirements Specifications

- **Screen Design**

- **Data Dictionary:**

Element Label	Type/Length	Data Validation / Business Rule
Email	String(max 500 char)	Email format

Software Requirements Specifications

- **User Story #4**

User Story ID	US04
User Story Name	Reset Password
Actors	**Customer**
Description	**As** a customer, **I want to** be able to reset my password securely in case I forget it or suspect that my account has been compromised.
Per condition	Customer is signed in and wishes to reset their password
Post condition	Customer's password is reset and they can sign in with their new password.
Acceptance Criteria	**Given** I am a signed-in customer **When** I click on "Reset Password" **Then** I am prompted to enter my email address **When** I enter my email address and click "Submit" **Then** a reset link is sent to my email **Given** I have received the reset link **When** I click on the link and follow the prompts **Then** I am able to reset my password and sign in with my new password

- **Scenarios**

Normal Scenario

Actor Action	System Response
1- Customer is signed in and wishes to reset their password	
2- Customer clicks on "Reset Password"	
3- Customer enters their email address and clicks "Submit"	
	4- System sends a reset link to the customer's email address
5- Customer receives the reset link and clicks on it	

Software Requirements Specifications

6- Customer is prompted to enter and confirm their new password	
7- Customer enters and confirms their new password and clicks "Save"	
	8- System resets the customer's password
9- Customer can now sign in with their new password	

Exceptional Scenario

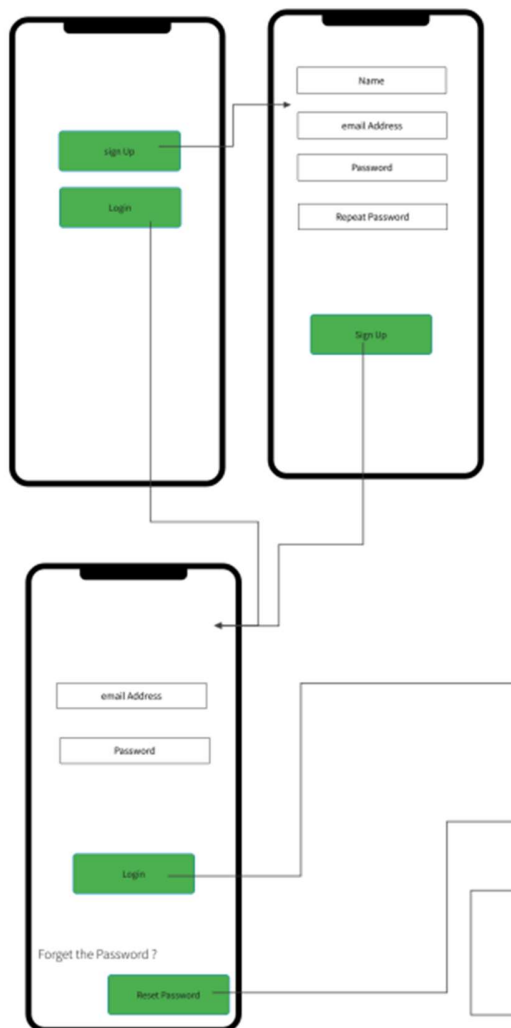| Actor Action	System Response
1- Customer is signed in and wishes to reset their password	
2- Customer clicks on "Reset Password"	
3- Customer enters an invalid email address and clicks "Submit"	
	4- System displays an error message stating that the email address is invalid
5- Customer tries again with a valid email address and successfully resets their password	

- **Screen Design**

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Software Requirements Specifications
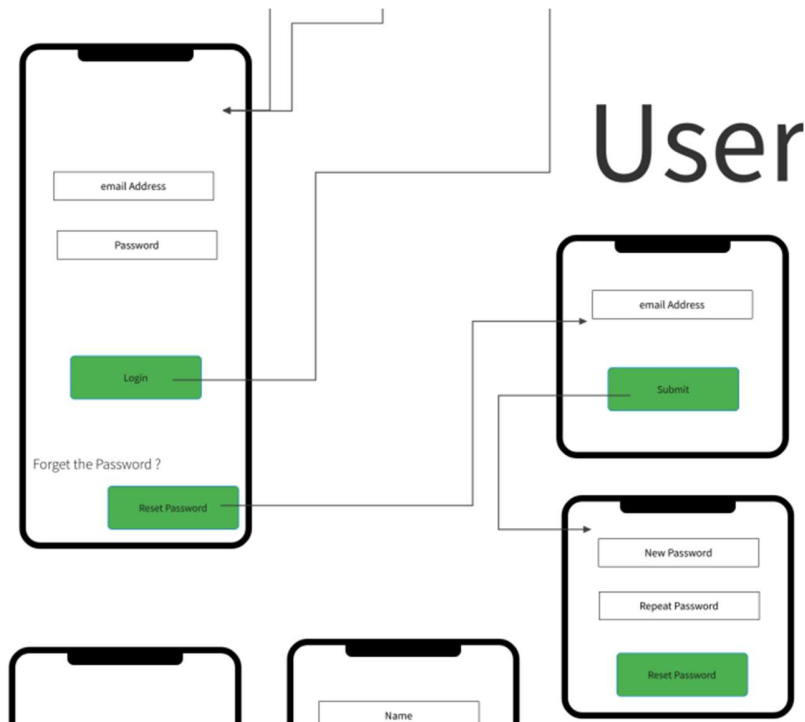
Data Dictionary:

Element Label	Type/Length	Data Validation / Business Rule
Email	String(max 500 char)	Email format
Password	String	Strong password format
repeatPassword	String	Matches Password

- **User Story #5**

User Story ID	US05
User Story Name	View Product Details
Actors	Customer
Description	**As** a customer, **I want** to be able to view the details of a product before making a purchase.

Software Requirements Specifications

Per condition	Customer is on the homepage and clicks on a product.
Post condition	Customer is taken to a page displaying the details of the product they clicked on.
Acceptance Criteria	**Given** I am on the homepage **When** I click on a product **Then** I am taken to a page displaying the details of the product, including its name, category, description, image, brand, price, and any applicable discounts.

- **Scenarios**

Normal Scenario

Actor Action	System Response
1- Customer is on the homepage	
2- Customer clicks on a product	
	3- System takes the customer to a page displaying the details of the product, including its name, category, description, image, brand, price, and any applicable discounts.

Exceptional Scenario

Actor Action	System Response
1- Customer is on the homepage	
2- Customer clicks on a product that is no longer available	
	3- System displays an error message stating that the product is no longer available and suggests similar products to the customer

- **Screen Design**

Software Requirements Specifications
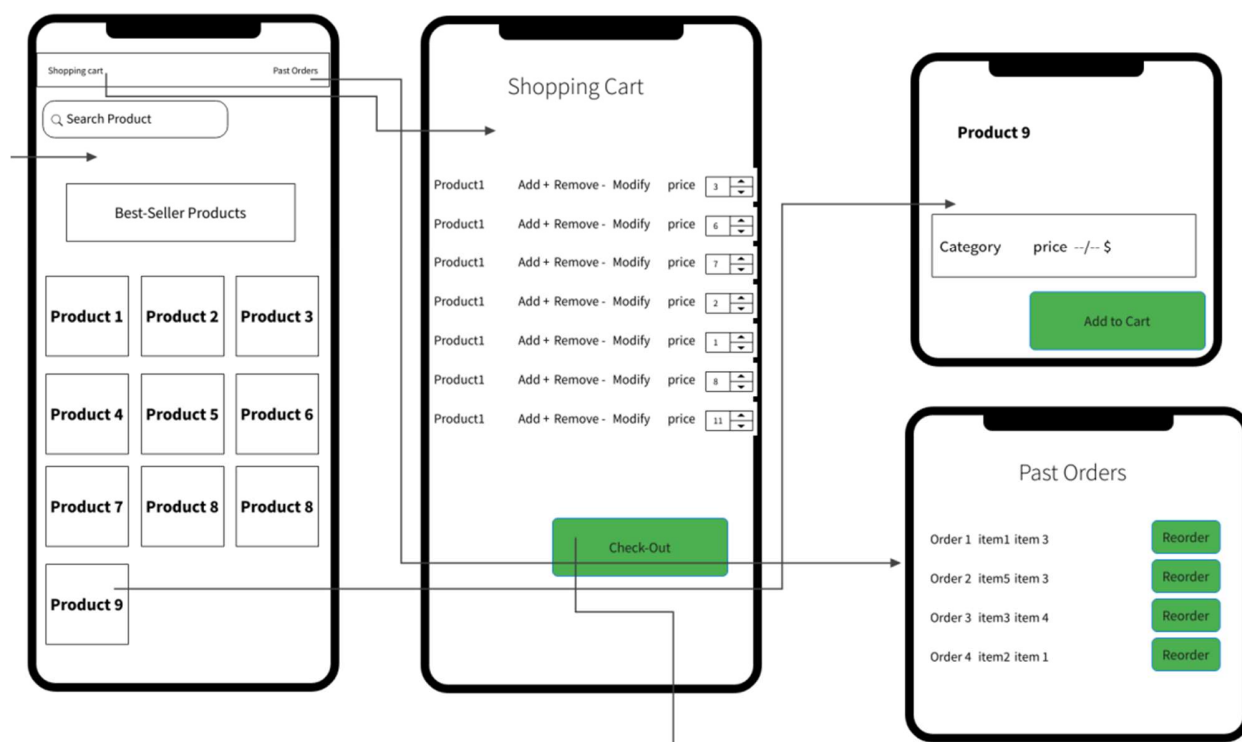
- **Data Dictionary:**
- Not applicable since no data is manually entered by the user at this stage
- **User Story #6**

User Story ID	US06
User Story Name	Search for Products
Actors	**Customer**
Description	**As** a customer, **I want to** be able to search for products using keywords.
Per condition	Customer is on the homepage and wants to search for a product.
Post condition	Customer is presented with a list of products that match their search query.
Acceptance Criteria	**Given** I am on the homepage **When** I type a keyword into the search bar and click "Search" **Then** I am presented with a list of products that match my

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search query, including their names, categories, descriptions, images, brands, prices, and any applicable discounts.

- **Scenarios**

Normal Scenario

Actor Action	System Response
1- Customer is on the homepage	
2- Customer types a keyword into the search bar and clicks "Search"	
	3- System presents the customer with a list of products that match their search query, including their names, categories, descriptions, images, brands, prices, and any applicable discounts.

Exceptional Scenario

| Actor Action	System Response
1- Customer is on the homepage	
2- Customer types a misspelled keyword into the search bar and clicks "Search"	
	3- System suggests a correction to the customer's search query and presents them with a list of products that match the corrected keyword

- **Screen Design**

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Software Requirements Specifications
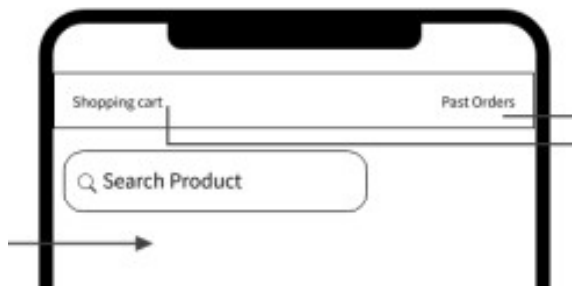
- **Data Dictionary:**

Element Label	Type/Length	Data Validation / Business Rule
Search	String(max 500 char)	N/A

- **User Story #07**

User Story ID	US #7
User Story Name	Searching for a product
Actors	Customer/admin
Description	**As** a customer or an admin. **I like** to be able to search for an item by its name **So** I get it without scrolling all the way to find it
Per condition	
Post condition	The item is displayed to the customer
Acceptance Criteria	**Given** I am on the main menu **When** I type the name of the product on the search bar **Then I see the item**

- **Scenarios**

Normal Scenario

Actor Action	System Response
1-user types item's name	

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	2- system search for the item and display it

Screen Design

Data Dictionary

Element Label	Type/Length	Data Validation / Business Rule
Search	String(max 500 char)	N/A

- **User Story #08**

User Story ID	US #8

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User Story Name	Adding a product to the cart
Actors	Customer
Description	**As** a customer. **I like** to add items to my shopping cart **So** I can pay for them
Per condition	The user is logged in
Post condition	The item is added to the user's shopping cart
Acceptance Criteria	**Given** I am a customer and am logged in **When** I select add to cart on the item panel **Then** the item is added to my shopping cart

- **Scenarios**

Normal Scenario

Actor Action	System Response
1-user selects "add to cart"	
	2- system adds the item to the user's cart

Screen Design

Software Requirements Specifications
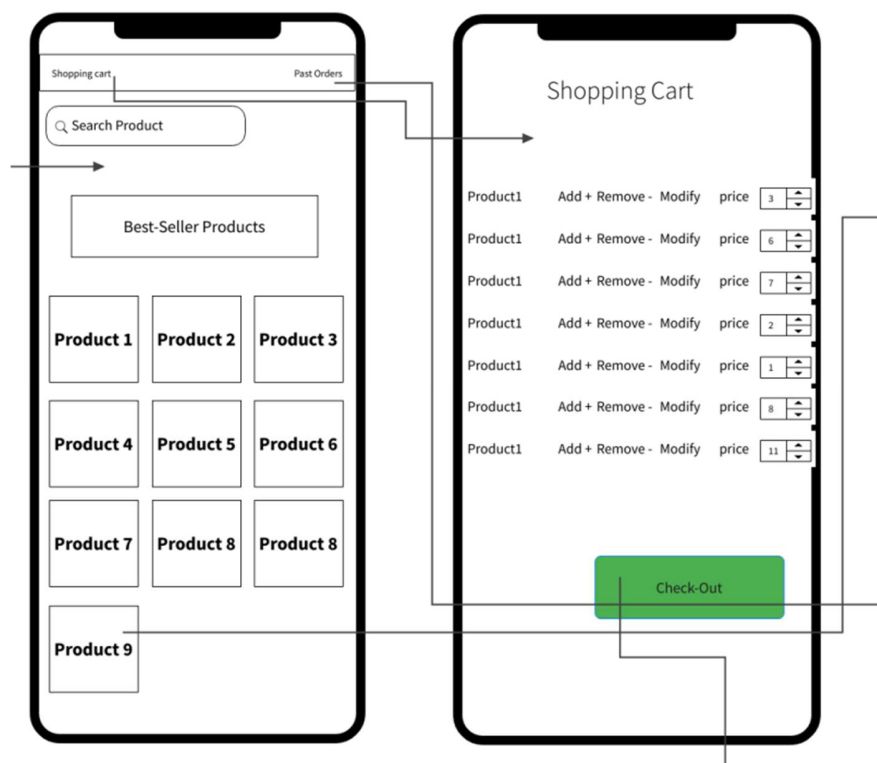
- **User Story #09**

User Story ID	US #09
User Story Name	Changing the quantity of the product in the shopping cart
Actors	Customer
Description	**As** a customer **I like** to be able to change the quantity of a product in the cart **So** I get as may units of an item as I want
Per condition	The user is logged in and have items in the cart
Post condition	The quantity of and item in cart is changed
Acceptance Criteria	**Given** I am logged In and I have an item or more in the cart **When** I select + or – sign on the quantity field **Then** the units counter increase or decrease as I want

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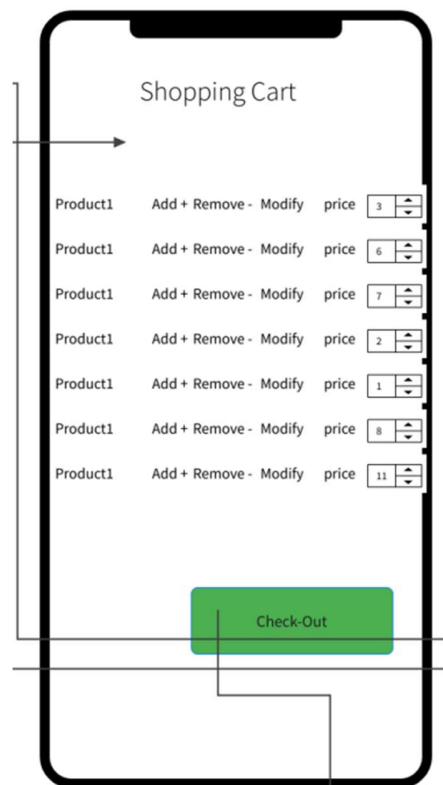## Project: CandyBuy

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- **Scenarios**

Normal Scenario

Actor Action	System Response
1-user selects the + or - sign	
	2- system increment or decrement the quantity

Screen Design

Software Requirements Specifications

- **User Story #10**

User Story ID	US #10
User Story Name	Gift Cards
Actors	Customer
Description	**As** a customer **I like** to buy gift cards **So** I can gift them to friends
Per condition	The user is logged in and have added gift cards to his/her cart
Post condition	Gift Cards mailed to his/her email address
Acceptance Criteria	**Given** I am logged In and have added gift cards to my cart **When** I checkout and get a successful purchase **Then** gift cards gets emailed to my email address

- **Scenarios**

Normal Scenario

Actor Action	System Response
1-user adds gift cards to his shopping cart	
2-user complete a successful purchase	
	3- system emails gift cards to customer's email address

Exceptional Scenario

No exceptional scenario since no data is manually entered by the user

- **Data Dictionary:**

Not applicable since no data is manually entered by the user at this stage

Screen Design

Software Requirements Specifications
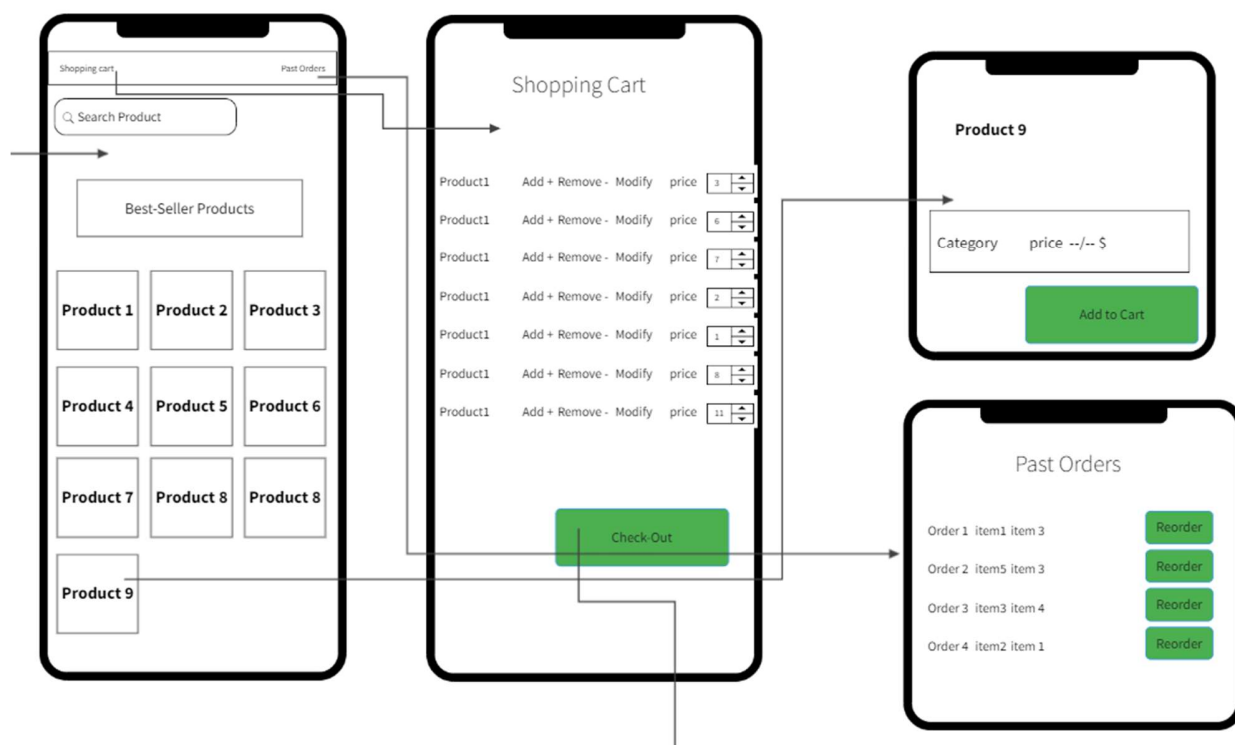
- **User Story #11**

User Story ID	US #11
User Story Name	Payment
Actors	Customer
Description	**As** a customer **I like** to choose the way of payment **So** I pay the way it suits me
Per condition	The user is logged in and have items in the cart
Post condition	Different verifications happen to different ways
Acceptance Criteria	**Given** am on the checkout menu **When** I chose the way of payment **Then** I pay the way I want

Software Requirements Specifications

- **Scenarios**

   Normal Scenario

| Actor Action	System Response
1-user selects cash on delivery	
	2- system prompt the user to input his phone number which is verified by a One Time Password (OTP)
3-user selects e wallet	
	4-system ask for the kind of the wallet and ask for it's number if needed and send the purchase request to the organization.
5-user selects one or more gift voucher	
	6- system subtracts the voucher value from the total amount
7 – user selects loyalty points	
	8- the system subtract the points' value from the total amount

- **Screen Design**

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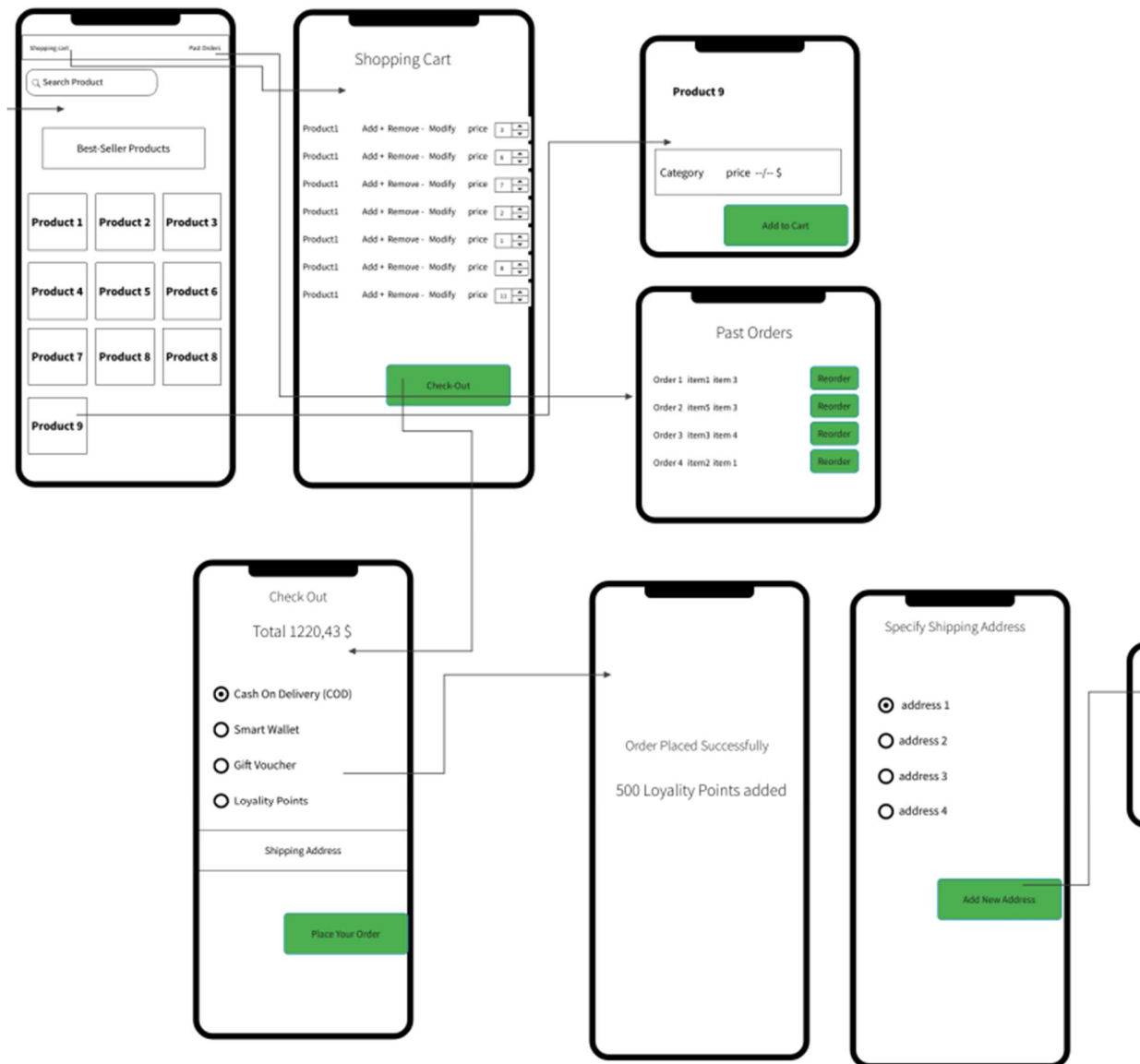
Enriched User Stories

- **User Story #12**

User Story ID	US #12
User Story Name	Earning Loyalty Points

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Actors	Customer
Description	**As** a customer **I like** to be able to earn loyalty points after a successful purchase **So** that I can redeem them later for goods/services
Per condition	Successful purchase by a signed in user
Post condition	User's loyalty points get added to his/her account
Acceptance Criteria	**Given** I am a signed in user who is checking out his/her shopping cart **When** I successfully complete my purchase transaction **Then** loyalty points get added to my account

- **Scenarios**

Normal Scenario

Actor Action	System Response
1- User attempt to complete his/her purchase transaction	
	2- System marks the purchase operation as successful
3- Loyalty points added to user's account	

Exceptional Scenario

Actor Action	System Response
1- User attempts to complete his/her purchase transaction	
	2- System marks the purchase operation as unsuccessful
	3- System display "Unsuccessful Purchase"

- **Screen Design**

Software Requirements Specifications

- **Data Dictionary:**

Not applicable since no data is manually entered by the user at this stage

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- **User Story #13**

User Story ID	US #13
User Story Name	Specifying shipping address
Actors	Customer
Description	**As** a customer **I like** to be able to specify the desired shipping address **So** that I can get my goods delivered to the correct address
Per condition	Successful purchase by a signed in user
Post condition	User choses the desired shipping address
Acceptance Criteria	**Given** I am a signed in user who is checking out his/her shopping cart **When** I successfully complete my purchase transaction **Then** I can choose my shipping address to either be the

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shipping address already on my profile or enter another address

- **Scenarios**

Normal Scenario

Actor Action	System Response
1- User attempt to complete his/her purchase transaction	
	2- System marks the purchase operation as successful
4- User choses the desired shipping address	3- Systems prompts the user to either chose the shipping address already registered in the profile or the user can enter a different shipping address

Exceptional Scenario

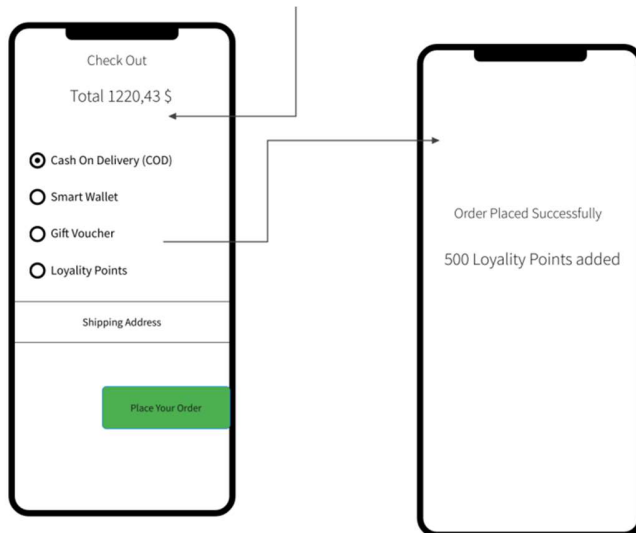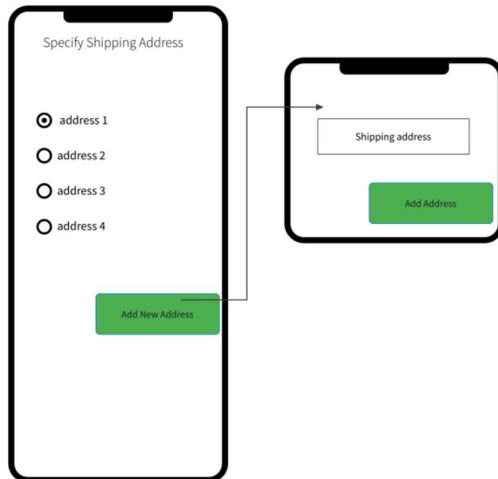| Actor Action	System Response
1- User attempts to complete his/her purchase transaction	
	2- System marks the purchase operation as unsuccessful
	3- System display "Unsuccessful Purchase"

- **Screen Design**

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- **Data Dictionary:**

Element Label	Type/Length	Data Validation / Business Rule
ShippingAddress	String<1000 Char	Structured Text (Address Format)

- **User Story #14**

User Story ID	US #14
User Story Name	Reordering a previous order
Actors	**Customer**
Description	**As** a customer **I like** to be able to reorder my previous order **So** that I can save the effort of manually re-choosing every item again
Per condition	Signed in user with the shopping cart open
Post condition	Users get his/her shipping cart filled with the exact items and quantities of his/her order
Acceptance Criteria	**Given** I am a signed in user who has his/her shopping cart open **When** I click on the "reorder" button

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	Then my shipping cart should get populated with the exact items and quantities of my previous order

- **Scenarios**

Normal Scenario

Actor Action	System Response
1- User clicks on "reorder" button	
	2- System populates the user's shopping cart with the items and quantities of the previous order

Exceptional Scenario

Actor Action	System Response
1- User clicks on the "reorder" button	
	2- System detects that the user has no previous orders
	3- System displays "No previous order!" 4- System make no changes to the shopping cart

- **Screen Design**

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- **Data Dictionary:**

  Not applicable since no data is manually entered by the user at this stage

- **User Story #15**

User Story ID	US #15
User Story Name	Order History
Actors	Customer
Description	**As** a customer **I like** to be able to view all my previous order history/activity **So** that I can know what items I have bought in the past
Per condition	Signed in user with his/her profile page opened
Post condition	User views his/her previous order history/activity
Acceptance Criteria	**Given** I am a signed in user who has his/her profile page opened **When** I click on "Order History" button **Then** I will view all my previous order history/activity

- **Scenarios**

  Normal Scenario

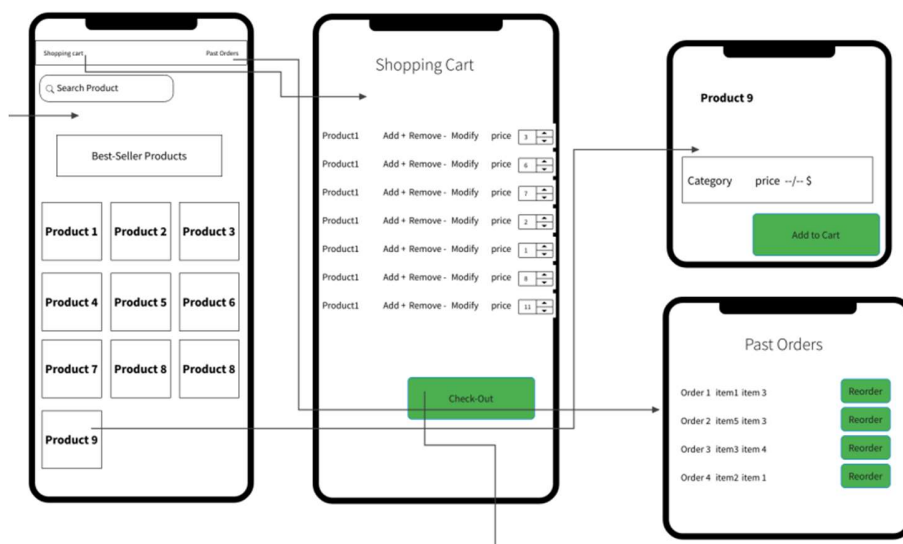| Actor Action	System Response
1- User clicks on "Order History" button	
	2- System displays the user's previous history/activity

  Exceptional Scenario

  Not applicable

- **Screen Design**

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- **Data Dictionary:**

  Not applicable since no data is manually entered by the user at this stage

- **User Story #16**

User Story ID	US #16
User Story Name	Managing Items
Actors	**System Administrator**
Description	**As** a system administrator **I like** have a dedicated page to manage items **So** that I can update catalogue with new items, cancel items and/or update item's information
Per condition	Signed-in system administrator having "manage items" page open
Post condition	System administrator is able to manage/edit the items
Acceptance Criteria	**Given** I am a signed in system administrator **When** I click on "Manage Items" **Then** I have the ability to update catalogue with new items,

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	cancel items and/or update item information

- **Scenarios**

Normal Scenario

Actor Action	System Response
1- System administrator clicks on the "Manage Items" button	
	2- System displays a dedicated web page allowing the system administrator to modify/update items
3- System administrator does his/her desired modification on items	

Exceptional Scenario

No exceptional scenario since system administrator only need to click on "Manage Items" button to get this dedicated web page displayed

- **Screen Design**

Software Requirements Specifications

- **Data Dictionary:**

  Not applicable since no data is manually entered by the user at this stage

- **User Story #17**

User Story ID	US #17
User Story Name	View Information about the system
Actors	System Administrator

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Description	**As** a system administrator **I like** view information about the system **So** that I can measure how good is the performance of our brand.
Per condition	Signed-in system administrator
Post condition	System administrator is able to view information about the system
Acceptance Criteria	**Given** I am a signed in system administrator **When** I click on "View Information" **Then** I am able to view orders made by users and/or statistics about the website including daily sales, monthly sales, sales of a given period of time and/or most popular items.

- **Scenarios**

Normal Scenario

Actor Action	System Response
1- System administrator clicks on the "View Information" button	
	2- System displays a dedicated web page allowing the system administrator to view various information about the system

Exceptional Scenario

No exceptional scenario since system administrator only need to click on "Manage Items" button to get this dedicated web page displayed
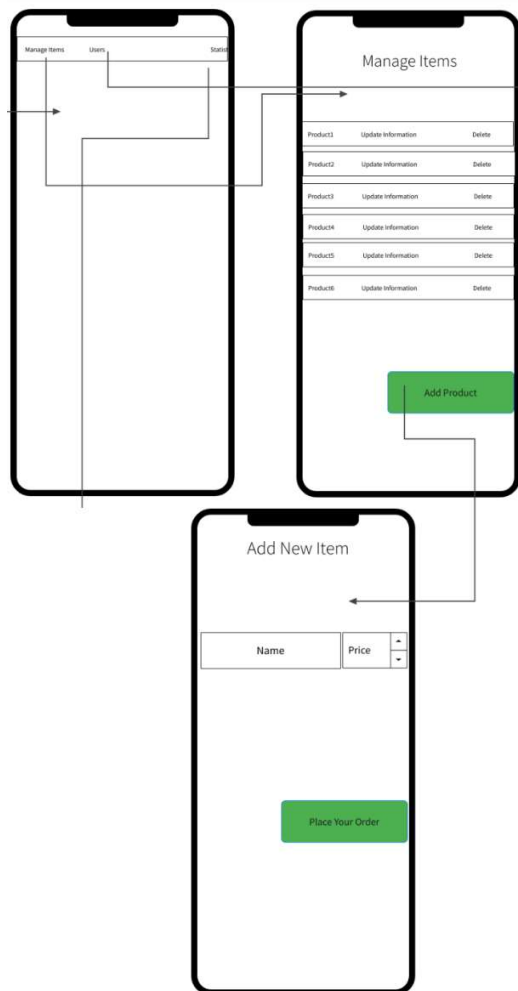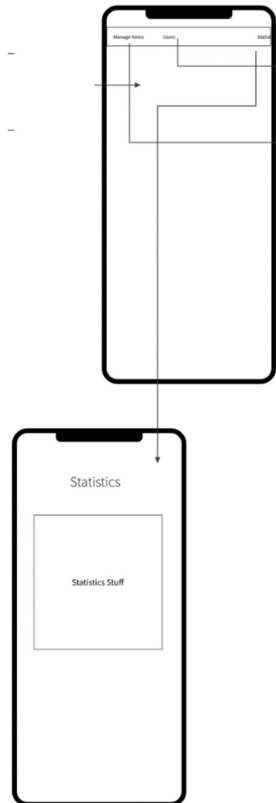
- **Screen Design**

CS251: Phase 1 – YOA
Project: CandyBuy

Software Requirements Specifications

- **Data Dictionary:**

    Not applicable since no data is manually entered by the user at this stage

- **User Story #18**

User Story ID	US #18
User Story Name	Setting loyalty points scheme
Actors	System Administrator
Description	**As** a system administrator **I like** to have a dedicated page **So** that I can set my own loyalty points scheme

CS251: Phase 1 – YOA
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Software Requirements Specifications

Per condition	Signed-in system administrator having loyalty points page open
Post condition	System administrator can now set a loyalty points scheme
Acceptance Criteria	**Given** I am a signed in system administrator **When** I click on "Loyalty Points" **Then** I am directed to a page where I can set a loyalty points scheme

- **Scenarios**

Normal Scenario

Actor Action	System Response
1- System administrator clicks on "Loyalty Points"	
	2- System displays a page allowing the system administrator to set a loyalty points scheme
3- Systems administrator enters the rate at which loyalty points is calculated (points per dollar spent)	
	4- System approves loyalty scheme entered by the system administrator

Exceptional Scenario

Actor Action	System Response
1- System administrator clicks on "Loyalty Points"	
	2- System displays a page allowing the system administrator to set a loyalty points scheme
3- Systems administrator enters 0 or a negative rate at which loyalty points is calculated (points per dollar spent)	
	4- System declines this input and displays "points per dollar can only be greater than 0"

- **Screen Design**

CS251: Phase 1 – YOA
Project: CandyBuy

Software Requirements Specifications

- **Data Dictionary:**

Element Label	Type/Length	Data Validation / Business Rule
LoyaltyRate	Double	Must be greater than 0

- **User Story #19**

User Story ID	US #19
User Story Name	Suspending a user
Actors	**System administrator**
Description	**As** a system administrator

Software Requirements Specifications

	I like to be able view a customer's profile **So** that I can suspend the customer's account whenever deemed necessary
Per condition	Signed-in system administrator
Post condition	System administrator suspends a customer's account
Acceptance Criteria	**Given** I am a signed in system administrator **When** I have a customer's profile opened, upon clicking on "suspend customer" **Then** user customer gets suspended from the system

- **Scenarios**

Normal Scenario

Actor Action	System Response
1- System administrator attempts to view the profile of an existing customer	
	2- System displays the customer's profile along with a button "suspend user"
3- System administrator clicks on "suspend customer"	
	4- Systems suspends customer

Exceptional Scenario

No exceptional scenario since system administrator have the only option of choosing to click on "suspend customer" to be able to successfully suspend a customer.
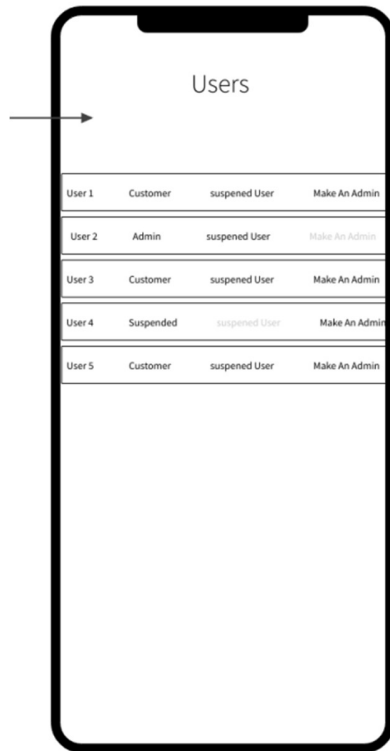
- **Screen Design**

Software Requirements Specifications

- **Data Dictionary:**

    Not applicable since no data is manually entered by the user at this stage

- **User Story #20**

User Story ID	US #20
User Story Name	Adding a system administrator
Actors	**System Owner**
Description	**As** a system owner **I like** to be able to add new system administrators **So** that they can manage a part of the system
Per condition	Signed-in system owner
Post condition	System owners adds a new system administrator to the system

Software Requirements Specifications

Acceptance Criteria	**Given** I am a signed in system owner **When** I click on "Add Administrator" **Then** I enter the email of the account to be given the administrator privileges and this account is now a system administrator

- ## Scenarios

Normal Scenario

Actor Action	System Response
1- System owner clicks on the "Add Administrator" button	
	2- System prompts the owner to enter the email of the account to be given administrator privileges
3- System owner enters the appropriate email address	
	4- System approves the associated account as a system administrator

Exceptional Scenario

| Actor Action	System Response
1- System owner clicks on the "Add Administrator" button	
	2- System prompts the owner to enter the email of the account to be given administrator privileges
3- System owner enters the appropriate email address	
	4- System does not find any account with this given email address and display to the owner "Email address not found".

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Project: CandyBuy

Software Requirements Specifications

- **Screen Design**
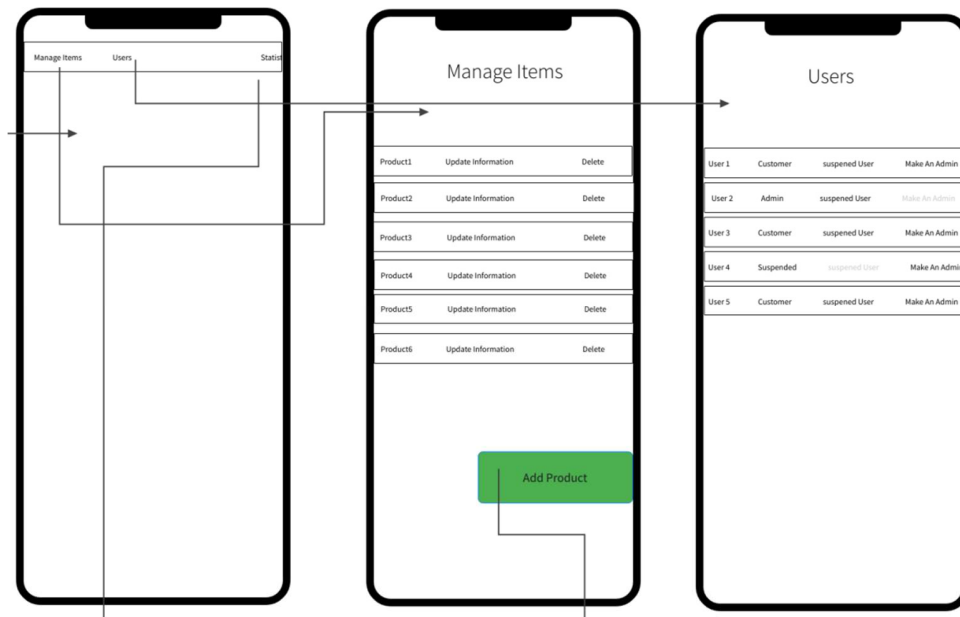
- **Data Dictionary:**

Element Label	Type/Length	Data Validation / Business Rule
EmailOfNewAdmin	String	Email format

Tools

- app.diagrams.net
- mockflow.com

Ownership Report

Software Requirements Specifications

Student	Items he created
Yusuf Elsayed Abdelrahman Badr	Functional Requirements Use Case Diagram Enriched User Stories (US#10 & US#12 TO US#20) Final report organization
Osama Maher Massoud	Functional Requirements System navigation map (inc. screen designs) Enriched User Stories (US#01 TO US#06)
Alialdin Muhammad	Functional Requirements Non-Functional Requirements Enriched User Stories (US#7, 8, 9, 11)

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