



## **Software Engineering - Coursework– Sprint 2**

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Course Number: CMP020N204S

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## Technical Components & Design

### Overview

## Project Documentation

### Application Features

#### User Stories:

##### Borrowing:

1. **As a user** seeking professional or special occasion attire, I want to **browse and filter a collection of outfits**, so that I can **quickly identify pieces that match my style and my event needs**.
2. **As a user**, I want **assurance that each outfit is authentic, well-maintained, and ethically sourced**, so that I can **feel confident in my choice and the integrity of the platform**.
3. **As a user**, I want an **effortless transaction process, including eco-friendly shipping or pickup options**, so that my **experience is both convenient and in line with ethical and environmental considerations**.
4. **As a user** unfamiliar with professional or formal dress codes, I want **access to fashion tips and trend insights**, so that I can **dress appropriately and stay stylish**.

##### Lending:

5. **As a user** with well-maintained items that are no longer in regular use, I want to **easily create detailed and visually appealing listings**, so that I can **share my outfits with others while ensuring that they're presented accurately**.
6. **As a user**, I want to **define lending conditions such as rental duration, pricing, deposit and care instructions**, so that I can **manage risk, protect my belongings and ensure proper use**.
7. **As a lender** with fashion experience, I want to **share styling tips and outfit recommendations alongside my listings**, so that **borrowers can trust my fashion advice and feel more confident in their choices**.

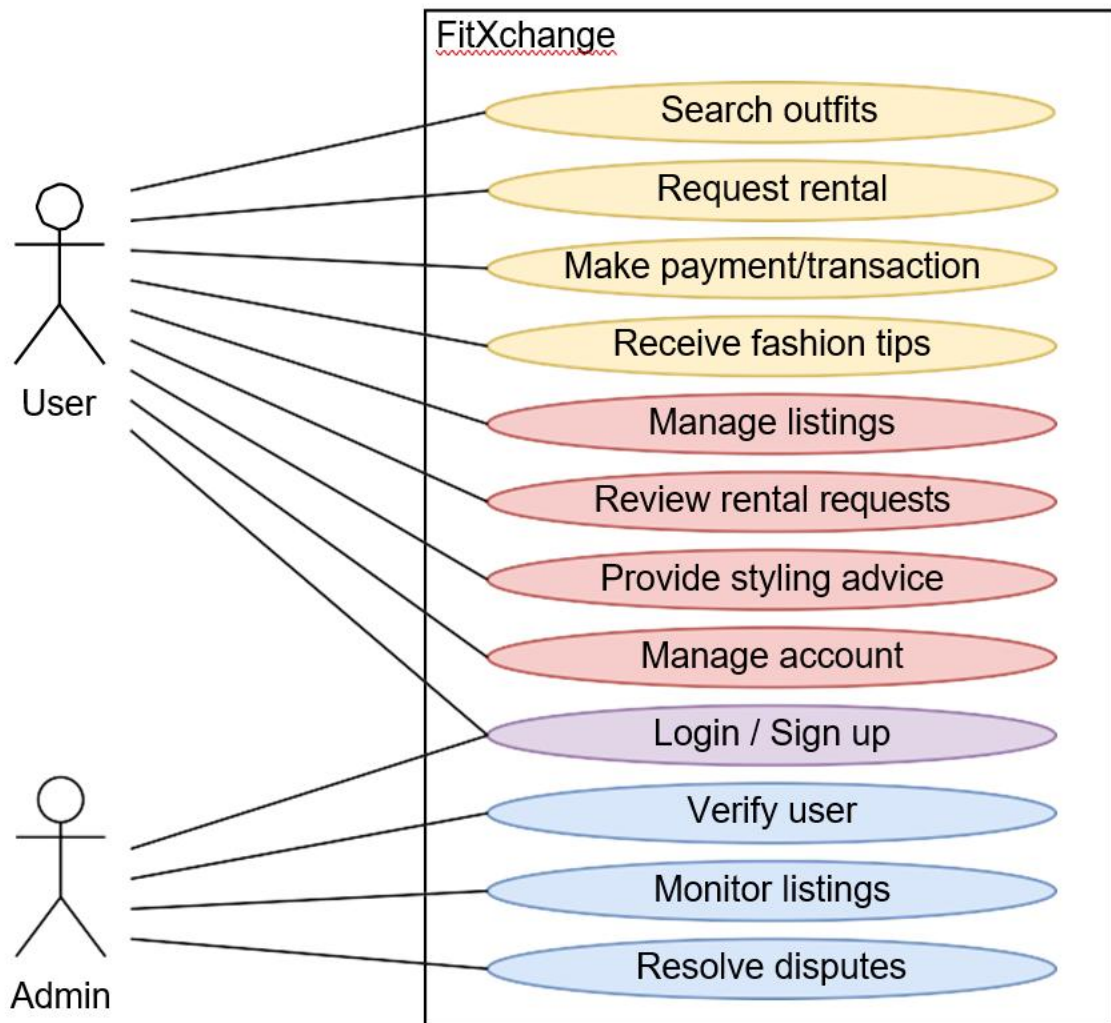
##### Administrating:

8. **As an administrator**, I want to **verify new users/user identities, monitor listings and oversee transactions**, so that **the platform remains safe, transparent and authentic for all users**.
9. **As an administrator**, I want to **effectively manage conflicts and ensure adherence to platform guidelines such as ethical, environmental and intellectual property standards**, so that **disputes are resolved fairly, and the platforms reputation is maintained**.

##### Login / Sign up (Sign up only for user):

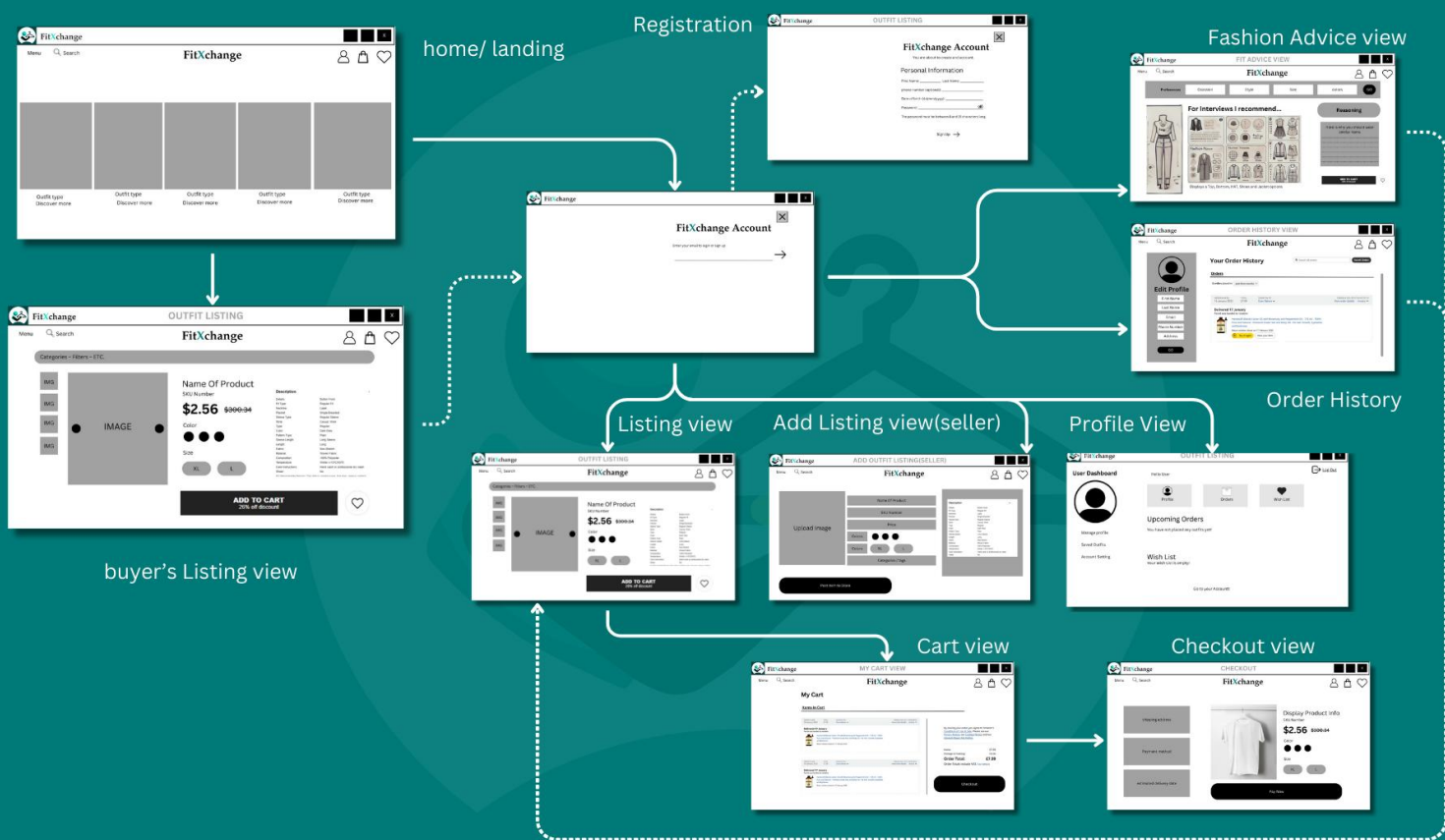
10. **As a user** of the system, I want to **be able to create and log in to my account securely while also being notified of the terms and conditions of the service**, so that I can **make an account and safely become a functioning member of the platform**.

## Use Case Diagram



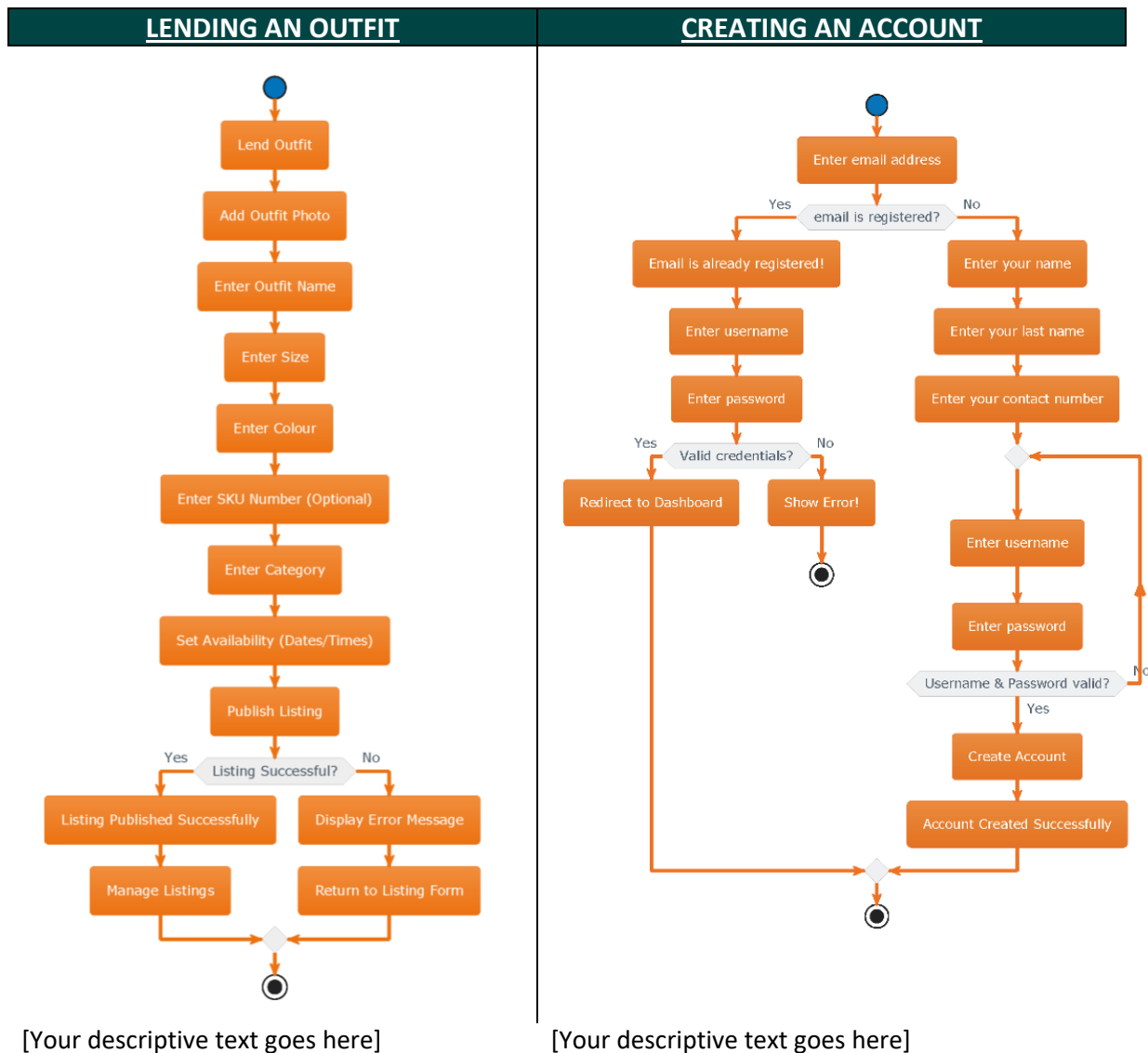
## Sprint 3 Specifications

### Wireframes

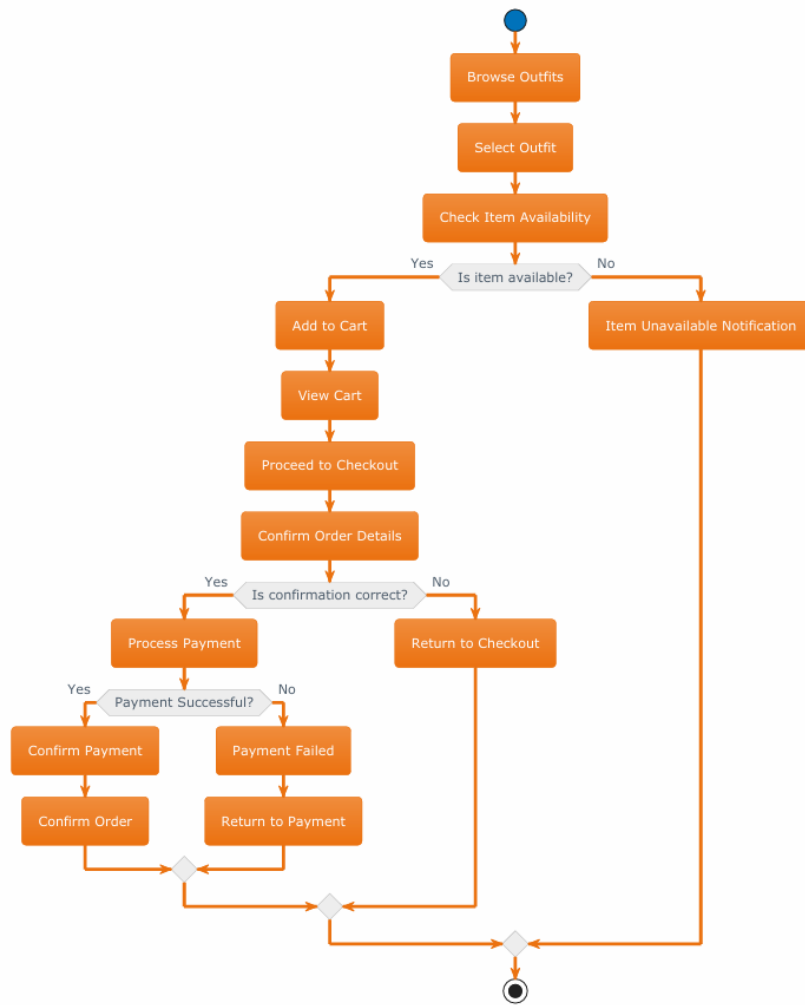


[Your descriptive text goes here]

## Activity Diagrams



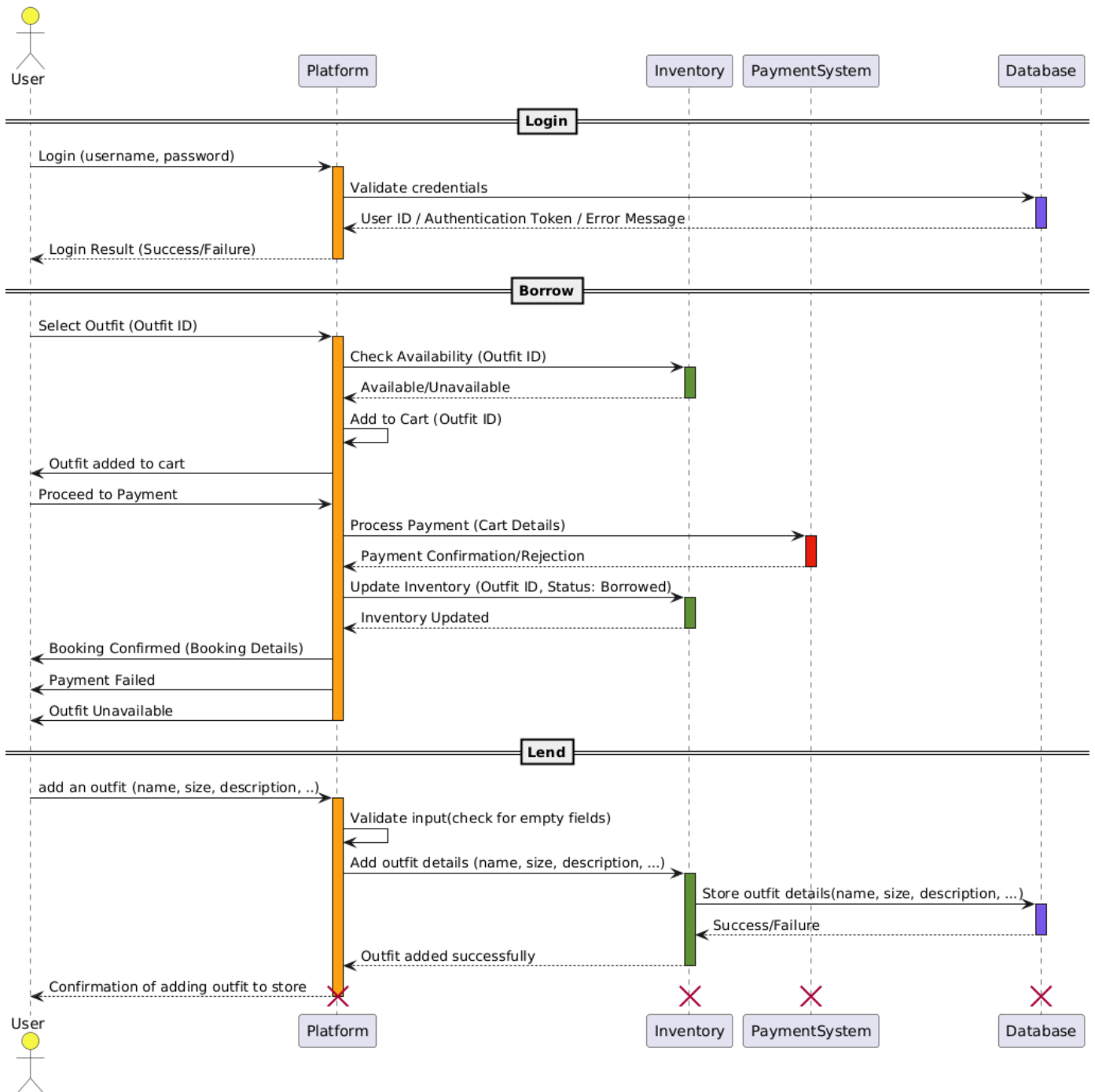
## PURCHASING AN OUTFIT



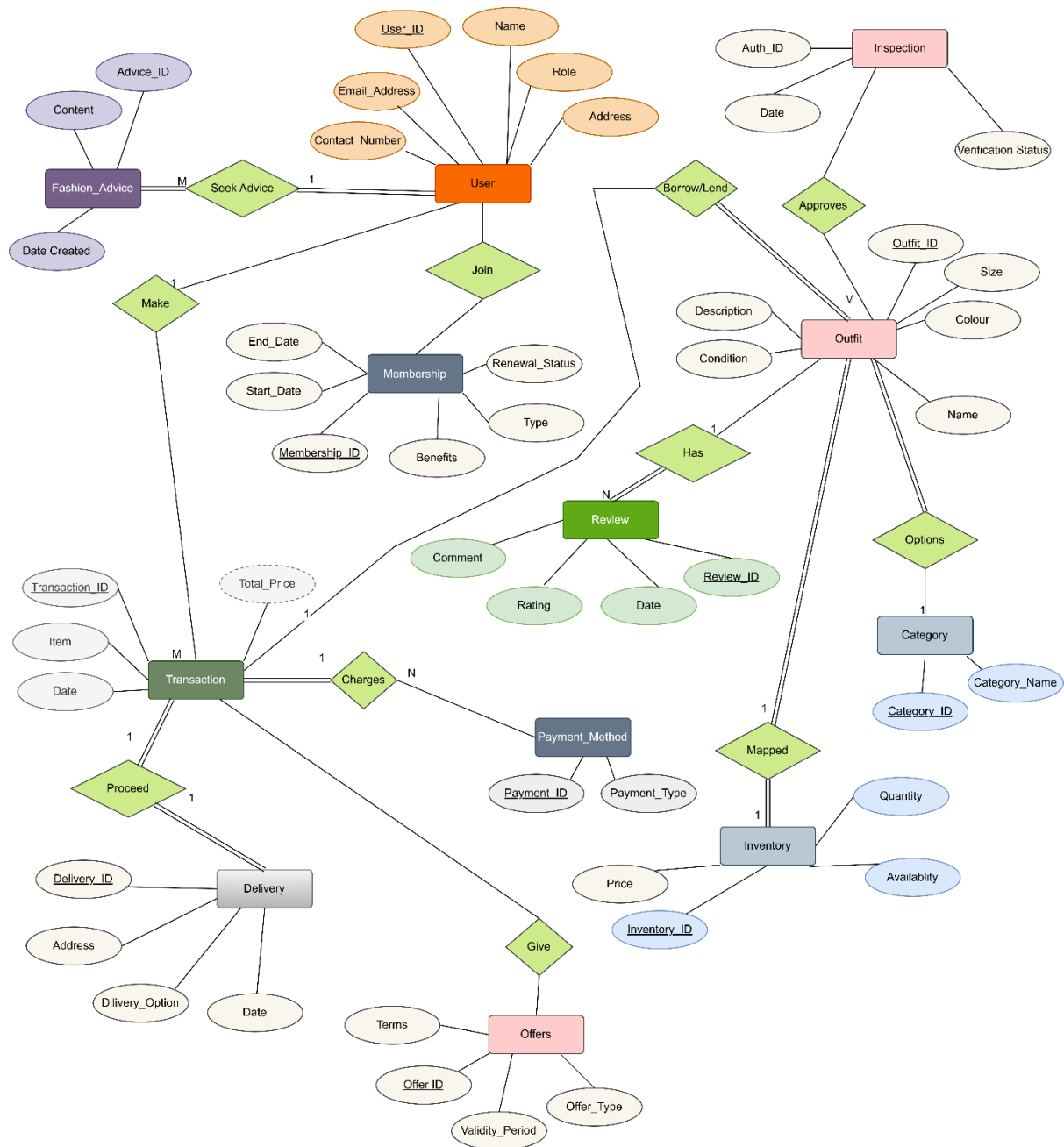
[Your descriptive text goes here]



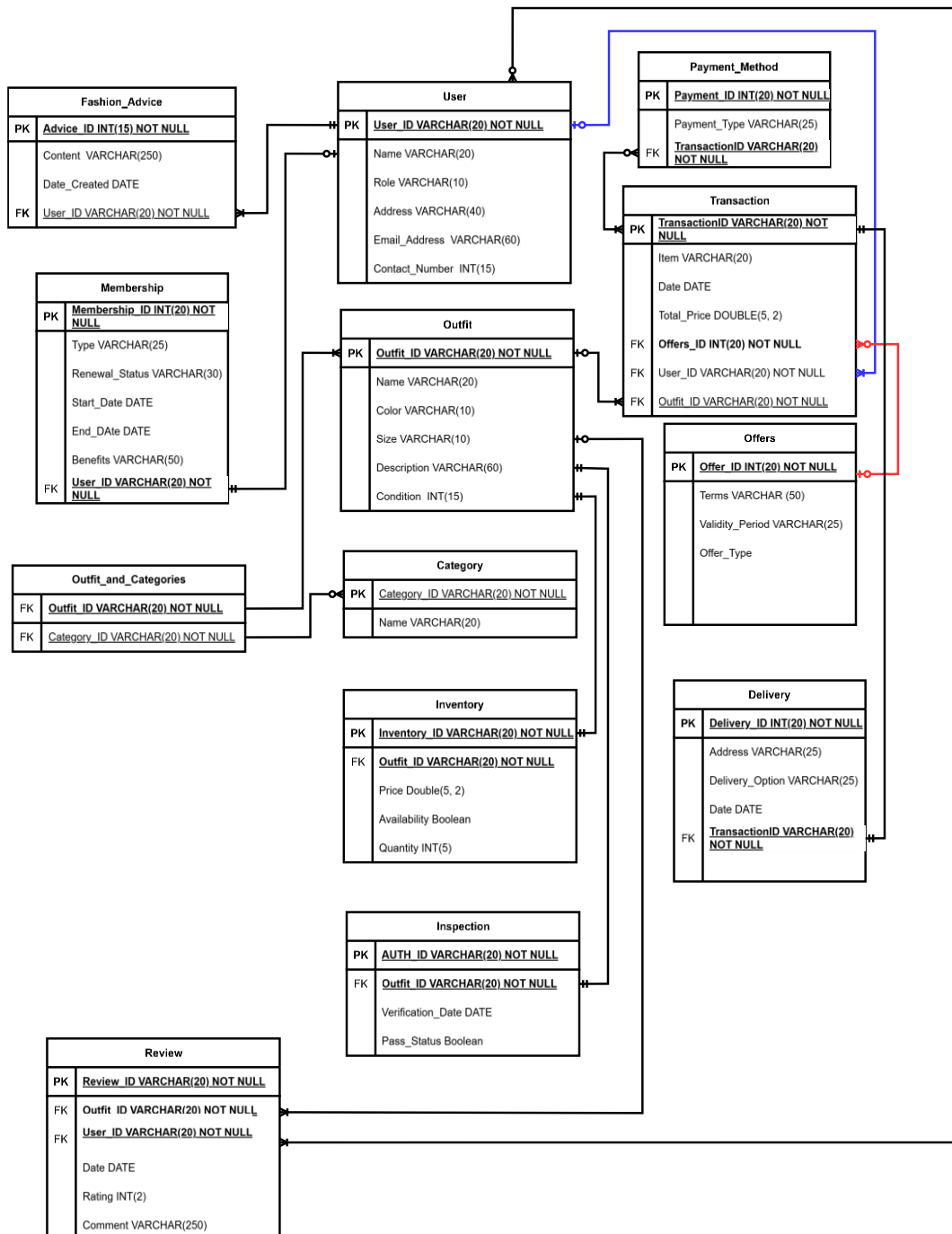
## Sequence Diagram



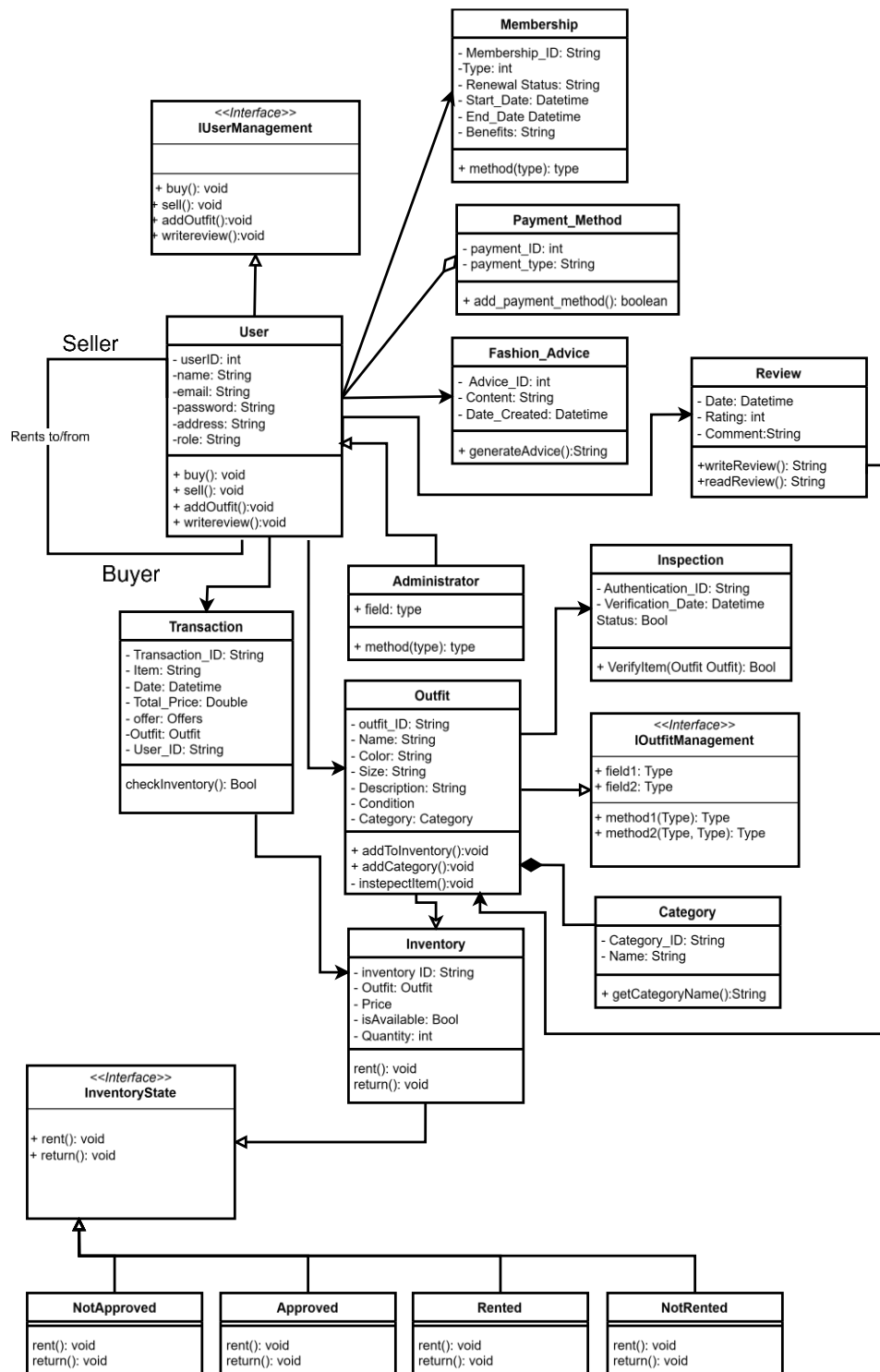
## Entity Relation Diagram



## Physical Data Model



## Class Diagram





## Colour Scheme & Design

### LOGO











### LOGO



## Brand Scheme



	#083736		#6BD4D3		#9A5833		#E66EB2
	#007A78		#66381F		#EFBC9F		#FFEC29

### INDIVIDUAL FONTS



Aa

Palantino Bold

ABCDEFGHIJKLMNOPQRSTUVWXYZ  
abcdefghijklmnopqrstuvwxyz  
1234567890

Aa

Calibri (MS)

ABCDEFGHIJKLMNOPQRSTUVWXYZ  
abcdefghijklmnopqrstuvwxyz  
1234567890



## Kanban Board & Project Backlog

**Software Engineering Project** Add status update 📄 ⋮

**Tasks** 📄 Kanban Board 📅 Current iteration 📅 Next iteration 📅 Prioritized backlog 📄 In review 📄 My items + New view

Filter by keyword or by field Discard Save

Title	Assignees	Status	Start Date	End Date	Priority
25 <span>🟢</span> Set up development environment using MySQL, Express, and PUG #26	BAK23592238, Eva...	Backlog			
26 <span>🟢</span> Implement initial requirements, ensure database connectivity #27	BAK23592238, Eva...	Backlog			
27 <span>🟢</span> User List Page #28	M12rezaei	Backlog			
28 <span>🟢</span> User Profile Page #29	BAK23592238	Backlog			
29 <span>🟢</span> Listing Page #30	Evan-Balson	Backlog			
30 <span>🟢</span> Detail Page #31	ninoa2000	Backlog			
31 <span>🟢</span> Tags/Categories #32	BAK23592238, Eva...	Backlog			
32 <span>🟢</span> Implement Data for USER in MySQL #33	BAK23592238	Backlog			
33 <span>🟢</span> Implement Data for Outfit in MySQL #34	M12rezaei	Backlog			
34 <span>🟢</span> Implement Data for CATEGORY in MySQL #35	M12rezaei	Backlog			
35 <span>🟢</span> Implement Data for INVENTORY in MySQL #36	Evan-Balson	Backlog			
36 <span>🟢</span> Implement Data for INSPECTION in MySQL #37	Evan-Balson	Backlog			
37 <span>🟢</span> Implement Data for PAYMENT_METHOD in MySQL #38	ninoa2000	Backlog			

**Software Engineering Project** Tasks Kanban Board Current Iteration Next Iteration Prioritized backlog In review

Filter by keyword or by field

Title	Assignees	Status
49 <span>🟢</span> Implement Administrator Class #50	BAK23592238	Backlog
50 <span>🟢</span> Implement Review Class #51	M12rezaei	Backlog
51 <span>🟢</span> Implement Inspection Class #52	ninoa2000	Backlog
52 <span>🟢</span> Implement Outfit Class #53	ninoa2000	Backlog
53 <span>🟢</span> Implement OutfitManagement Class #54	ninoa2000	Backlog
54 <span>🟢</span> Implement Category Class #55	ninoa2000	Backlog
55 <span>🟢</span> Implement Transaction Class #56	BAK23592238	Backlog
56 <span>🟢</span> Implement InventoryState Class #57	Evan-Balson	Backlog
57 <span>🟢</span> Implement NotApproved Class #58	Evan-Balson	Backlog
58 <span>🟢</span> Implement Approved Class #59	Evan-Balson	Backlog
59 <span>🟢</span> Implement Rented Class #60	Evan-Balson	Backlog
60 <span>🟢</span> Implement NotRented Class #61	Evan-Balson	Backlog
61 <span>🟢</span> Implement Inventory Class #62	Evan-Balson and M...	Backlog

**Backlog** 37 ⋮

This item hasn't been started

- SE-Spring-Project #58  
Implement NotApproved Class
- SE-Spring-Project #59  
Implement Approved Class
- SE-Spring-Project #60  
Implement Rented Class
- SE-Spring-Project #61  
Implement NotRented Class
- SE-Spring-Project #62  
Implement Inventory Class

+ Add item

**Done (Sprint2)** 8 ⋮

- SE-Spring-Project #20  
Wireframes
- SE-Spring-Project #25  
Features for the application defined as user stories
- SE-Spring-Project #22  
Sequence Diagram
- SE-Spring-Project #23 ⋮  
ERD Diagram
- SE-Spring-Project #19  
Use Case Diagram

Sprint 3 Tickets

[Insert description here]

## Meeting Minutes

Date and Time	19/02/2025 at 19:00, 22/02/2025 at 20:00
Project Name	FitXchange
Meeting Goal	<ul style="list-style-type: none"> <li>• Discuss the purpose of each diagram based on user stories</li> <li>• Share feedback on provided diagrams</li> <li>• Modify and prepare new updates</li> </ul>
Facilitator	Hala Bakhtiar
Note taker	Mahboub Rezaei
Attendees	<ul style="list-style-type: none"> <li>• <b>19/02/2025:</b> Hala Bakhtiar, Evan Balson, Mahbouba Rezaei</li> <li>• <b>22/02/2025:</b> Hala Bakhtiar, Mahbouba Rezaei, Evan Balson, Niwhar Amin</li> </ul>
Roundtable Updates (each group member to contribute)	
Discussion points	<ul style="list-style-type: none"> <li>• <b>Purpose of each diagram based on user stories.</b></li> <li>• <b>Review and provide feedback on existing diagrams</b></li> <li>• <b>Identify areas for improvement and modifications</b></li> <li>• <b>Assign updates and next steps</b></li> </ul>
Actions (list tasks and assign a group member)	<ul style="list-style-type: none"> <li>• Design Wireframes -&gt; Evan, Mahbouba</li> <li>• Features of application -&gt; Evan</li> <li>• Class Diagram -&gt; Evan</li> <li>• ER Diagram -&gt; Evan</li> <li>• Use Case Diagram -&gt; Hala</li> <li>• User Stories -&gt; Hala</li> <li>• Activity Diagram -&gt; Mahbouba</li> <li>• Sequence Diagram -&gt; Niwhar</li> </ul>



## Database Implementation

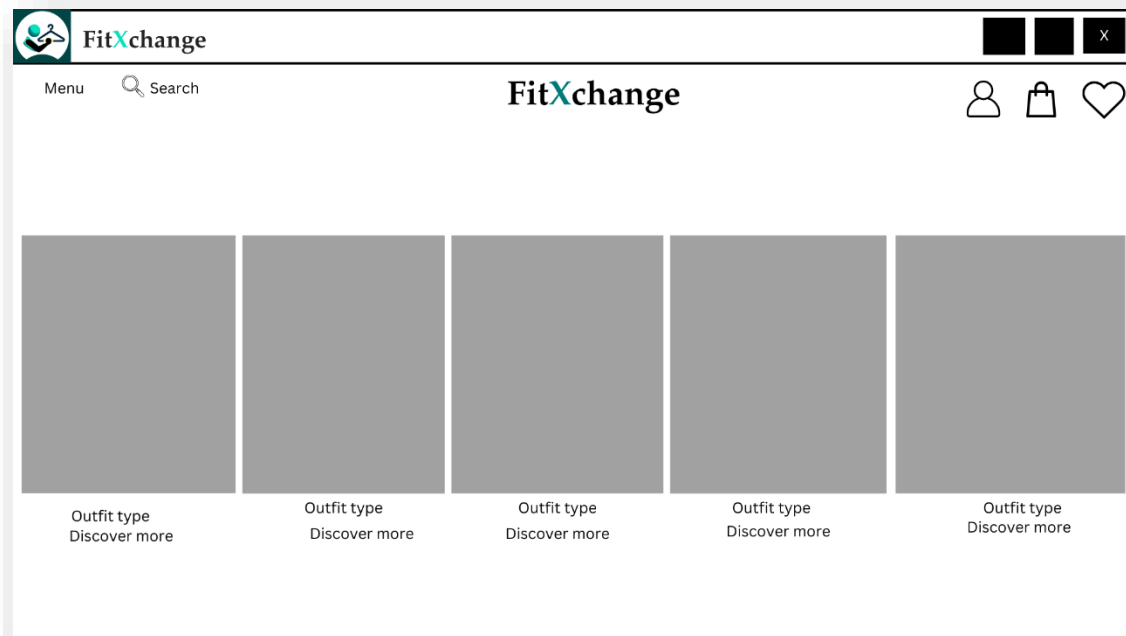
[screen grabs of tables and sql code goes here.]



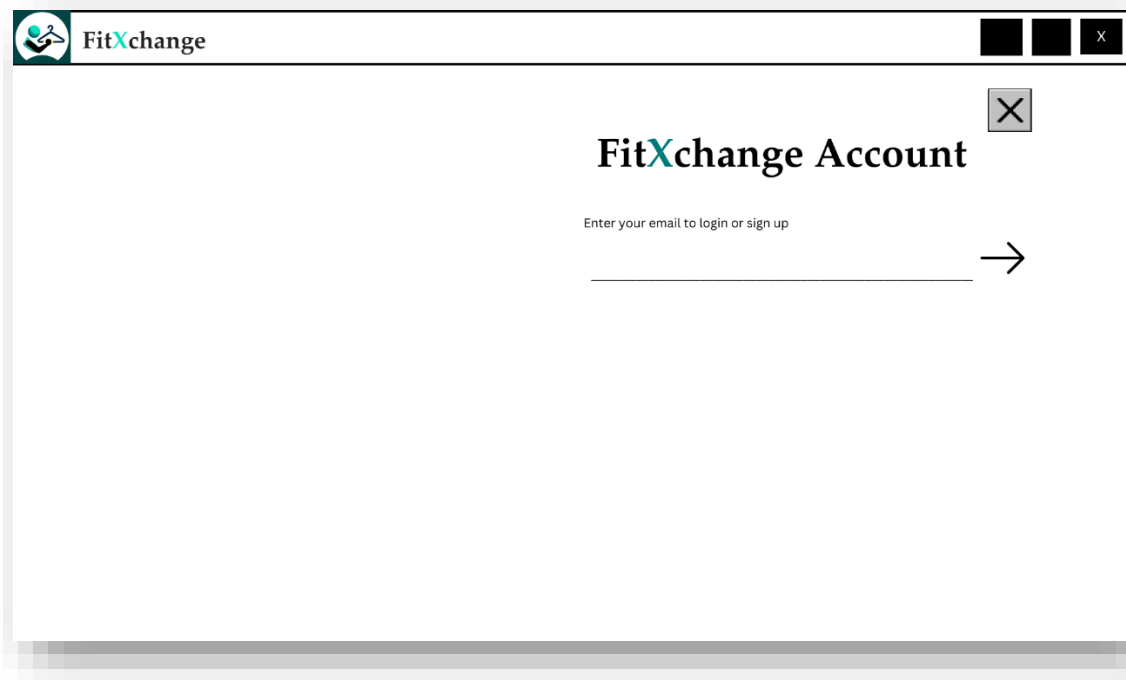
## Appendix

### Detailed Wireframe Views

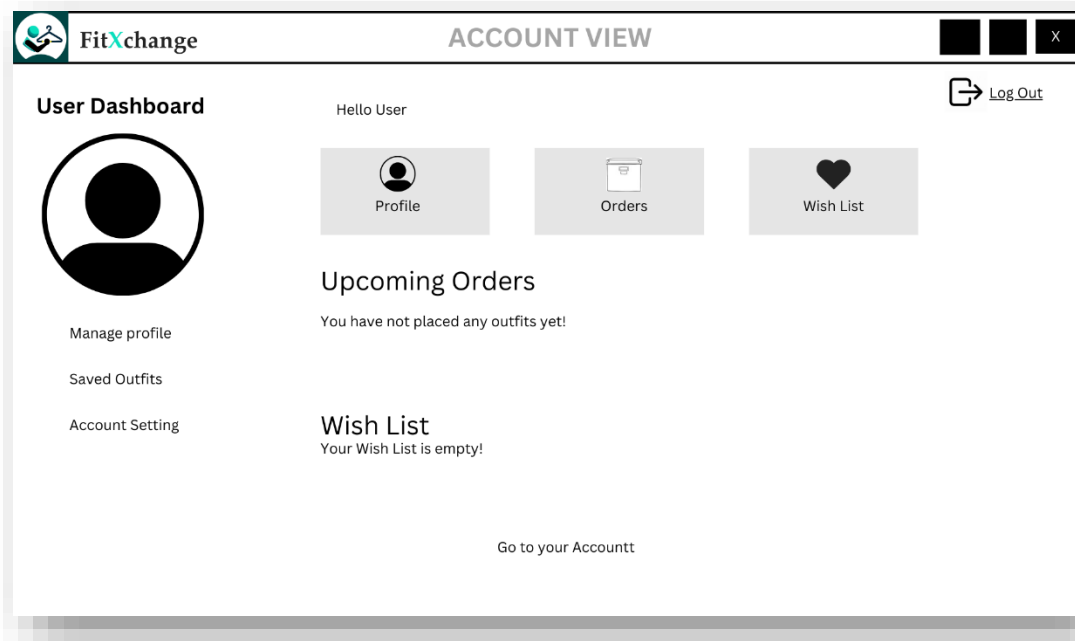
#### Landing Page:



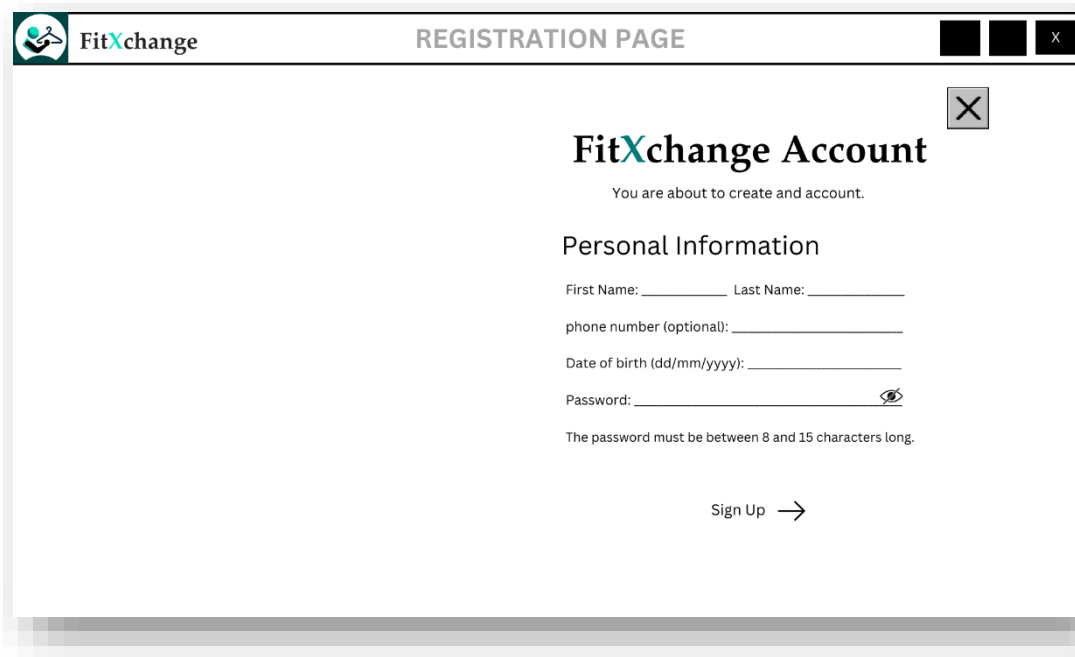
#### Login Page:




## Registration Page:



## Registration Page:







## Add Outfit as A Seller:


**FitXchange**

ADD OUTFIT LISTING(SELLER)

Menu
Search



Upload Image

Name Of Product

SKU Number

Price

Colors

Colors

XL

L

Categories / tags

Post Item to Store

Description

Details:

Fit Type:

Regular Fit

Neckline:

Lapel

Placket:

Single Breasted

Sleeve Type:

Regular Sleeve

Style:

Casual, Work

Type:

Regular

Color:

Dark Grey

Pattern Type:

Plain

Sleeve Length:

Long Sleeve

Length:

Long

Fabric:

Non-Stretch

Material:

Woven Fabric

Composition:

100% Polyester

Temperature:

Winter (+10°C/50°F)


Care Instructions:

Hand wash or professional dry clean

Sheer:




No

## Customer View: Listing Page:


**FitXchange**

OUTFIT LISTING

Menu
Search

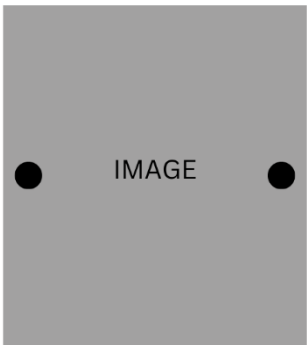
Categories ~ Filters ~ ETC.

IMG

IMG

IMG

IMG



Name Of Product

SKU Number

\$2.56

~~\$300.34~~

Color

Size

XL

L

Description

Details:

Button Front

Regular Fit

Lapel

Single Breasted

Regular Sleeve

Casual, Work

Regular

Dark Grey

Plain

Long Sleeve

Long

Non-Stretch

Woven Fabric

100% Polyester


Winter (+10°C/50°F)

Hand wash or professional dry clean

No

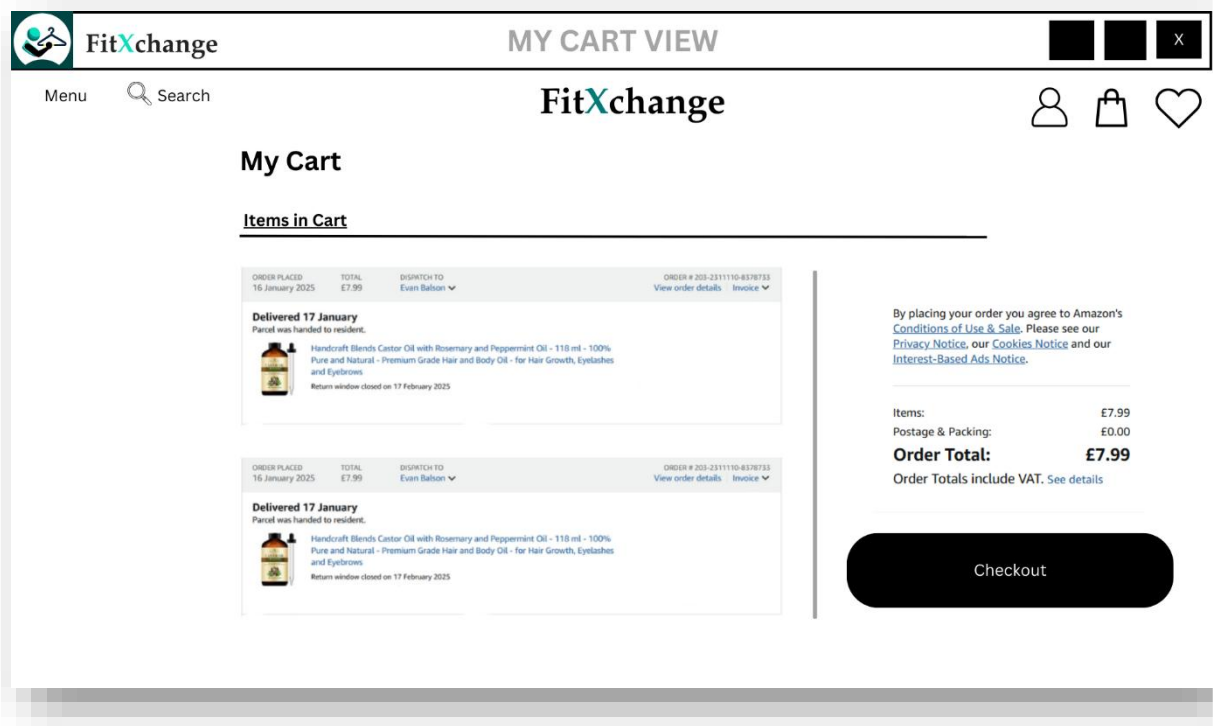
ADD TO CART

26% off discount

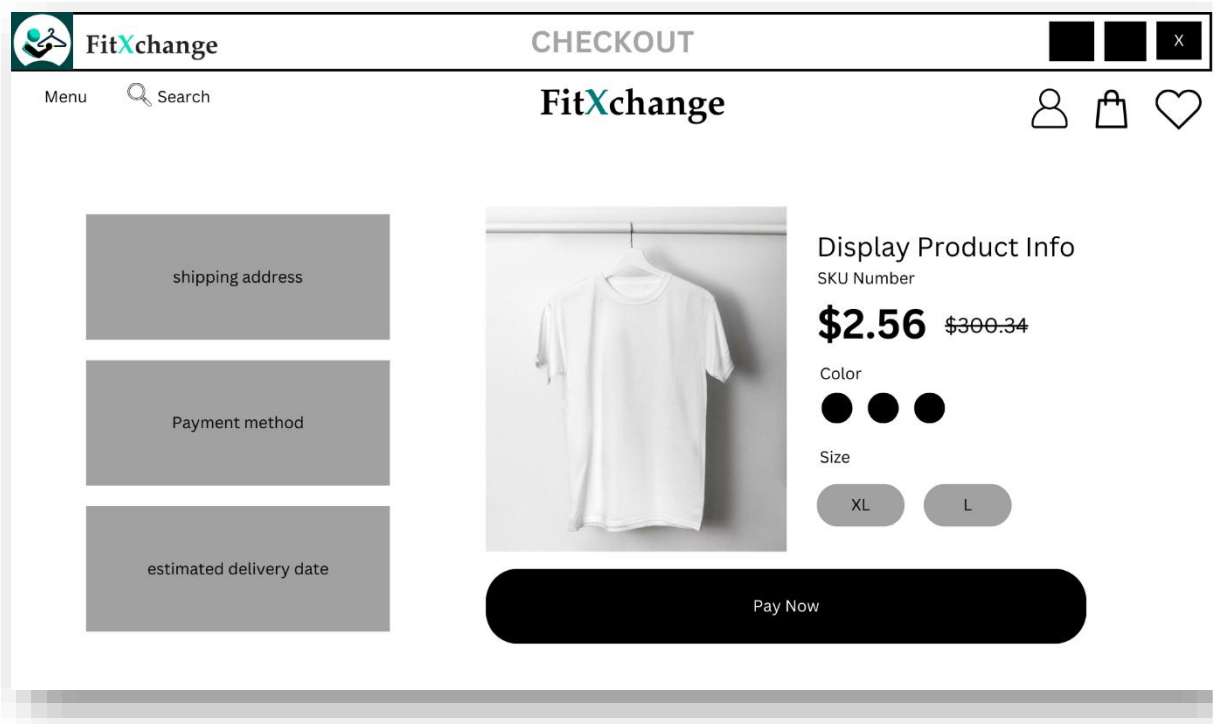


19 | Page

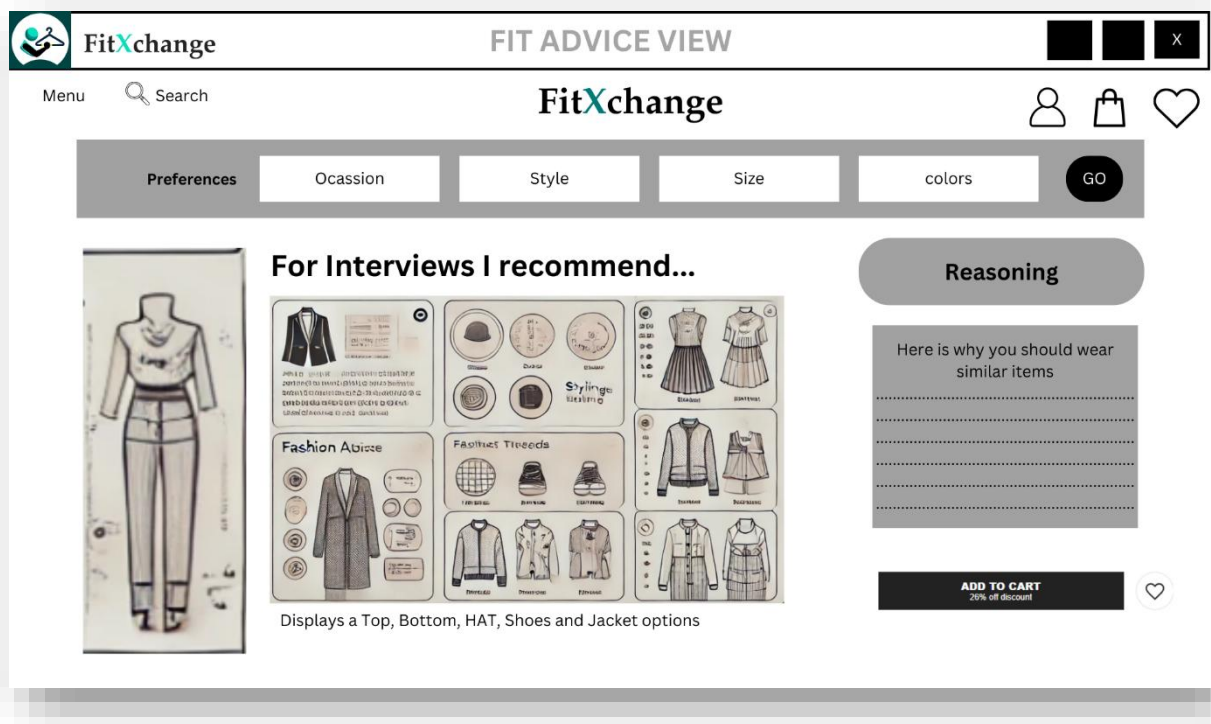
My Cart:



Checkout View:



## Outfit Advice Page:



## Order History View:

