



### **Software Engineering - Coursework– Sprint 3**

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## Technical Components & Design

### Overview

The FitXchange platform is designed to facilitate the exchange of outfits for various social and professional occasions through a robust, database-driven web application. This overview highlights some of the iterative improvements that have been applied to the technical infrastructure. It also demonstrates the application of systematic diagrams into an initial prototype that aims to meet the expectations of our users' goals.

Our development process was driven by user stories, ensuring that the platform aligns with real world needs and interactions. These user stories helped shape the core features and guided the creation of wireframes, which served as blueprints for the interface and interactions.

#### Technical Infrastructure:

- **Front-End Technologies:** The client-facing side of FitXchange is built using HTML and Pug, a high-performance template engine, which together streamline the creation of HTML markup. JavaScript is extensively used to enhance the interactivity of the web pages, providing a dynamic user experience. This design also employs intermediate CSS styling to improve visibility and device responsiveness.
- **Back-End Technologies:** Node.js serves as the core back-end runtime environment, allowing for scalable server-side scripting some of which specifically target the following areas(dropdown visibility when clicking the search button, listing image formatting and catalogue click behaviours). Docker containers are employed to encapsulate the application's environment, ensuring consistency across development, testing, and production landscapes. We have included more libraries such as npm express-session to facilitate the tracking on user session related behaviours. This implementation has made a significant improvement to support simultaneous users. We developed controllersthat act as an interface between our views and models to handle user interactions and business logic, seamlessly integrating the backend with the front-end templates.
- **Database Solution:** MySQL, a robust relational database management system, is used to manage structured data efficiently. It supports complex queries and transactions, making it ideal for handling the intricate data relationships within FitXchange. We have made significant updates to the initial design to allow for more streamlined relational database. By stripping away unnecessary tables such as outfits for a more collective structure such as inventory. We

have also reviewed our user stories in more detail and have identified additional tables that will be required by our system.

#### **Application of Systematic Diagrams:**

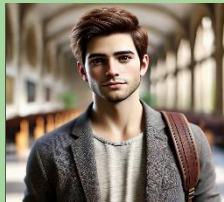
- **Entity-Relationship Diagram (ERD):** Critical for visualizing the structured data in MySQL, the ERD helps define and refine the relational database schema, crucial for effective data management and integrity.
- **Use Case Diagram:** This diagram provides insights into user interactions with the system, clarifying the various functionalities available to different user roles within FitXchange and guiding the user interface design.
- **Sequence Diagrams:** Essential for detailing the interactions between objects over time, sequence diagrams depict the order of operations triggered by transactions, helping developers understand and implement the flow of processes accurately.
- **Activity Diagrams:** These diagrams are used to visualize the flow of operations within specific functionalities, helping to map out the logic behind user activities and system responses, which is vital for coding the back-end services.

## Personas

### Gerald Thompson

**Name:** Gerald Thompson

"When I set a goal, I give 100% to achieve it. Not immediately, but definitely".



#### Demographics:

Age: 21-23

Gender: Male

Occupation: Final-year university student

Location: London, UK

Relationship Status: Single

Title: Mr

Education: Bachelor's degree in progress

#### Goals and Challenges:

- Secure his first professional job
- Feel confident and well prepared for interviews
- Make a lasting positive impression on employers

#### Motivation

- Wants to make a great first impression in job interviews
- Aspires to kickstart his career with confidence
- Values professionalism and knows attire plays a role in success
- Seeks an accessible solution without financial strain

#### Frustrations:

- Cannot afford to buy a formal suit on a student budget
- Limited knowledge of where to borrow or rent a suit
- Worried about finding the right fit and looking presentable
- Concerned about comparing with well-dressed candidates who may have more resources.

#### User Story:

As a final-year student preparing to enter the job market, I want access to a practical and affordable suit borrowing service, so that I can dress professionally for interviews without the financial burden of buying a suit.

#### User Scenario:

Gerald, a final year student at Roehampton University, is actively applying for jobs in his field. He knows that making a strong first impression at interview is crucial, but buying a new suit is too expensive.

Living in student accommodation with limited storage, he prefers to borrow a well-maintained suit for a short time rather than owing one. He looks for an easy-to-use website that offers a variety of sizes and styles, with clear size guides to ensure the right fit. Affordable or free options with flexible returns, ideally near campus or with online booking, would be ideal.

This service would help Gerald present himself smartly and professionally without financial strain.

## Ruby Bennet



**Name:** Ruby Bennet

"A great outfit can boost confidence. If I can help someone feel their best, why not?"

### Demographics:

Age: 27-32

Gender: Female

Occupation: Software Engineer

Location: London, UK

Relationship Status: Single

Title: Miss

Education: Bachelor's degree in software engineering

### Goals and Challenges:

- Share her well-maintained outfits with those in need
- Use a secure and structured platform to list her clothes
- Make the lending process simple and hassle-free
- Ensure her outfits are returned in good condition
- Support a sustainable fashion approach

### Motivation:

- Helping others feel confident for important events
- Reducing clothing waste by promoting reuse
- Making good use of outfits that would otherwise sit unused

### Frustrations:

- Lack of a secure platform that simplifies lending
- Unclear communication with borrowers
- Risk of outfits not being returned or getting damaged
- Websites that are cluttered or difficult to navigate

### Environment:

- Lives in a busy city (London), likely in a modern apartment
- Works in an office or hybrid setting at a tech company

### User Story:

Ruby is a software engineer working at a tech company. She owns many well-maintained suits and outfits that she no longer needs but would like to lend to others for their special occasions. Ruby is looking for a website where she can list her outfits, allowing people in need to borrow them easily.

### User Scenario:

Ruby is a software engineer working at a tech company and a professional in her field. Over the years, she has accumulated many well-maintained outfits. She wants to lend her clothes to those who need them for special occasions. To do this, Ruby is looking for a reliable website where she can securely share her contact information and provide detailed descriptions of her outfits. She needs a well-structured platform that allows her to add the necessary details so other users can easily find and borrow the perfect outfit without confusion.



## Project Documentation

### Application Features

- Borrow and lend outfits: users can browse available outfits, request rentals, and track their order list. Additionally, they can list clothing items and set rental conditions.
- User profiles and customization: personalized profiles allow users to manage their preferences, and rental activities.
- Transaction management: the system keeps track of requests, approvals, payments, and returns, ensuring a smooth and transparent process.
- Sustainable fashion initiative: by encouraging outfit sharing, FitXchange reduces clothing waste and supports eco-friendly consumption.

### User Stories:

#### Borrowing & Returning

1. **Browsing and Filtering:** 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. **Authenticity and Initial Quality Assurance:** 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. **Transaction and Rental Process:** As a user, I want an effortless rental process, including clear pricing, secure payment, and flexible options, so that my experience is seamless and hassle-free.
4. **Delivery and Returning:** As a user, I want delivery and return information to be clear and accessible, so that I can easily understand my options and plan accordingly.
5. **Fashion Advice and Trends:** 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.
6. **Reviews and Ratings:** As a user, I want to leave and read reviews on outfits and lenders so that I can make informed decisions about rentals.

## Lending

7. **Creating Listings:** 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.
8. **Lending Conditions:** 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.

## Administrating

9. **User Verification and Security:** As an administrator, I want to verify new users/user identities, so that the platform remains safe, transparent and authentic for all users.
10. **Moderating and Policy Enforcement:** 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.

## Account Management

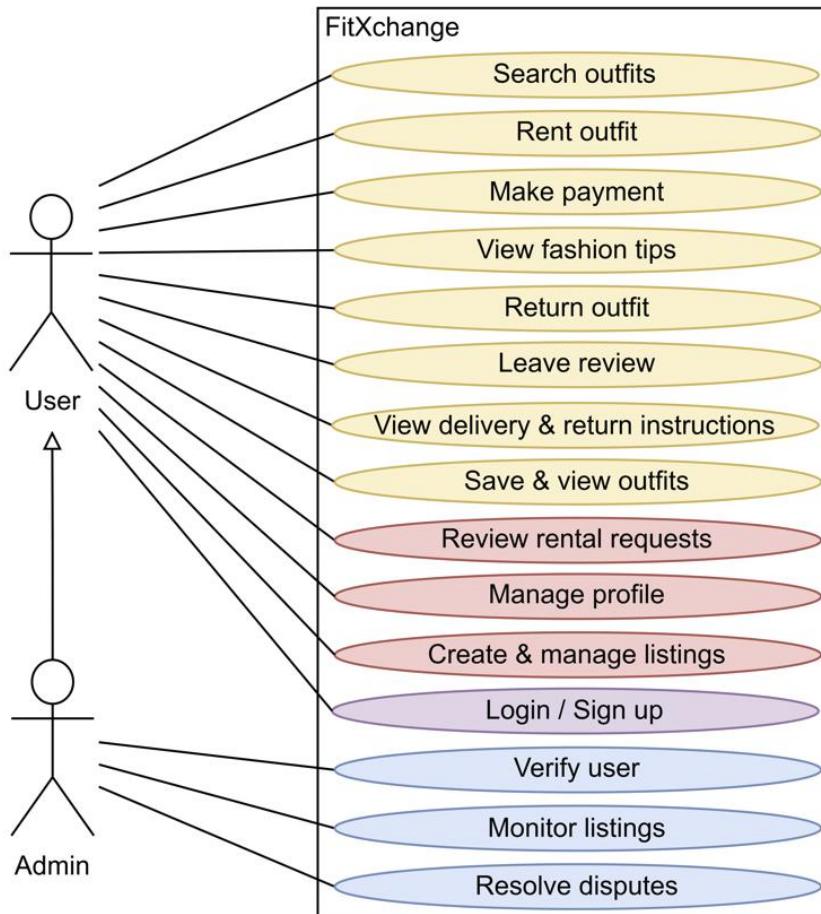
11. **Sign-up and Login:** As a user of the system, I want to be able to create and log in to my account securely while also being notified of the terms and conditions of the service, so that I can make an account and safely become a functioning member of the platform.
12. **Dashboard and Profile Management:** As a user I want to edit my profile information, including saved outfits or my listings so that I can personalise my experience and keep my dashboard up to date.

## *Justification*

The user stories were designed to meet the needs of both Gerald Thompson, who values a secure and scalable platform, and Ruby Bennet, who prioritizes an intuitive and user-friendly experience. Borrowers and lenders benefit from seamless browsing, secure transactions, and clear rental conditions, ensuring accessibility while maintaining trust. The platform administrator must be able to verify users and enforce policies with strong security and moderation tools, keeping the platform safe and transparent. Additionally, account management tools ensure seamless onboarding and profile creation, ensuring the platform is efficient, secure, and easy to use.



## Use Case Diagram



### Rationale for User Role Generalization:

- **Generalized User Roles:** In FitXchange, while there are theoretically three types of interactions—buying, selling, and administrative—these roles share common attributes and behaviors that allow them to be generalized into two main roles: User and Administrator.
- **User Role:** This role encompasses both buyers and sellers. The decision to generalize these roles into a single 'User' actor in the use case diagram stems from the overlapping functionalities they share, such as browsing items, managing accounts, and processing transactions. A user on FitXchange can seamlessly switch between buying and selling outfits, reflecting the dual nature of their engagement with the platform. This design simplifies the system architecture and reduces complexity by eliminating redundant processes.

#### Justification In further Detail:

- These use cases were refined to ensure that they align closely with the users' needs while also maintaining clarity and efficiency in the platform's interactions. **Browsing and renting** are the central functions, as mentioned in the key features of this project, they allow users to **search outfits, view verification details and rent** with confidence, eliminating the need for a separate authenticity check. Likewise, the **payment** and **return** processes are streamlined to facilitate smooth transactions, with clear **return and delivery instructions** enhancing user convenience. **Fashion tips** and **reviews** were newly added to enhance user confidence and ensure engagement to the platform by letting users provide guidance and community feedback.
- For **lenders**, the ability to **create and manage listings** ensures that their outfits are being properly represented, while **reviewing rental requests** helps them maintain control over their items.
- Account management was further refined from the last sprint, splitting **profile and dashboard management** while ensuring that **saving and viewing outfits** remain intuitive. The decision to refine memberships and offers under user features helps maintain a just and fair platform.
- On the **administrative** side, the focus remains on **user verification, listing moderation and resolving disputes**, ensuring security and trust.
- These adjustments ensure that FitXchange remains efficient, user-friendly, secure and meeting both borrower and lender needs without unnecessary complexity.

FitXchange

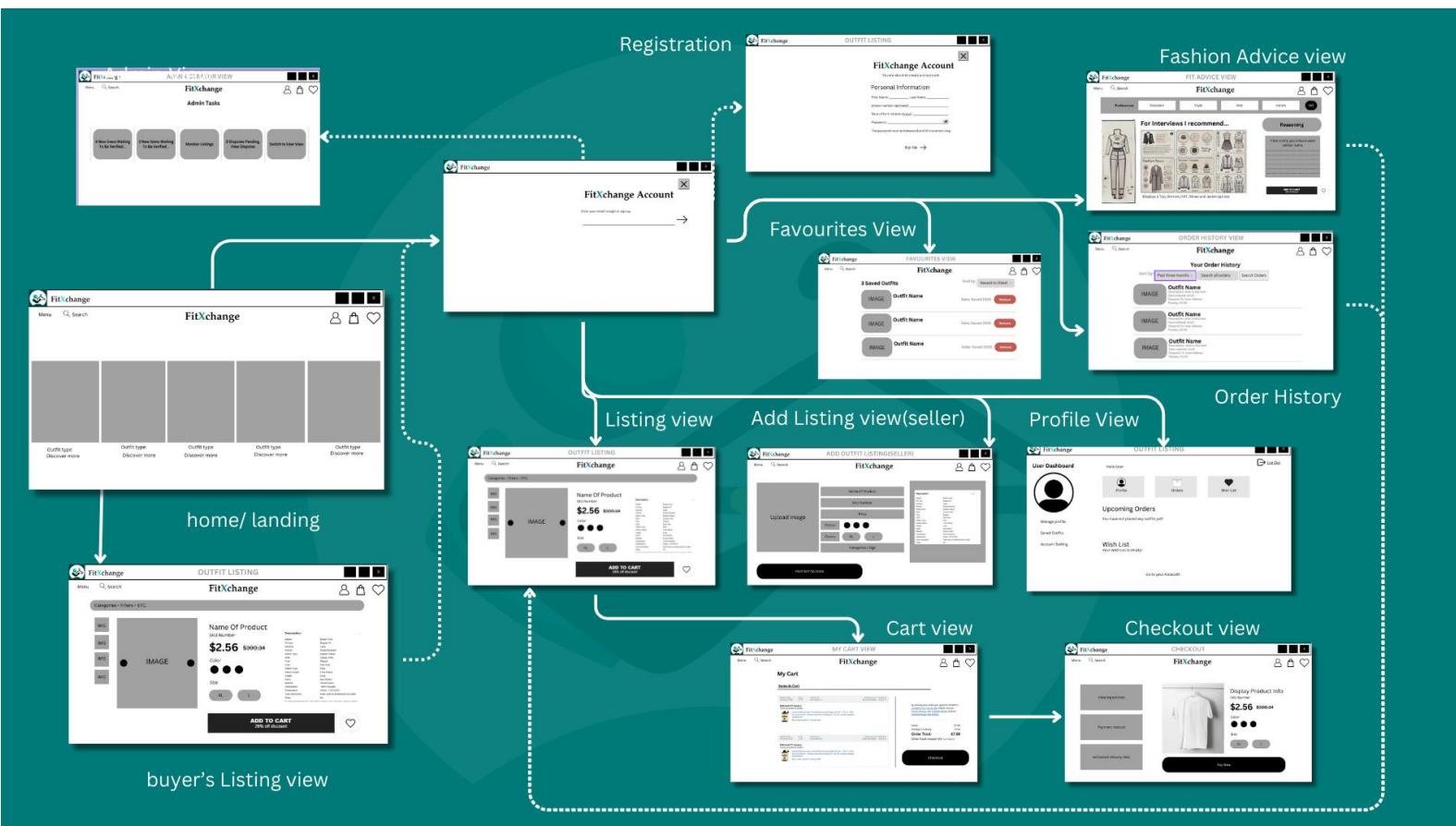


# FitXchange

## Sprint 3 Specifications

### Wireframes

For FitXchange, wireframes were instrumental in visualizing the seamless transition between the roles of buyers and sellers, highlighting dual functionality within a single, cohesive user interface. This approach supports the platform's goal of enabling users to effortlessly switch between buying and selling outfits, enhancing user experience and platform efficiency.



### Development Integration:

- Guidance for UI Development:** The wireframes serve as a guide to building the front-end code, ensuring all functional and design requirements are met.
- Iterative Design and Feedback:** Wireframes will be revised based on feedback from usability testing sessions and stakeholder reviews. This iterative process helps refine the interface for better user engagement and functionality.

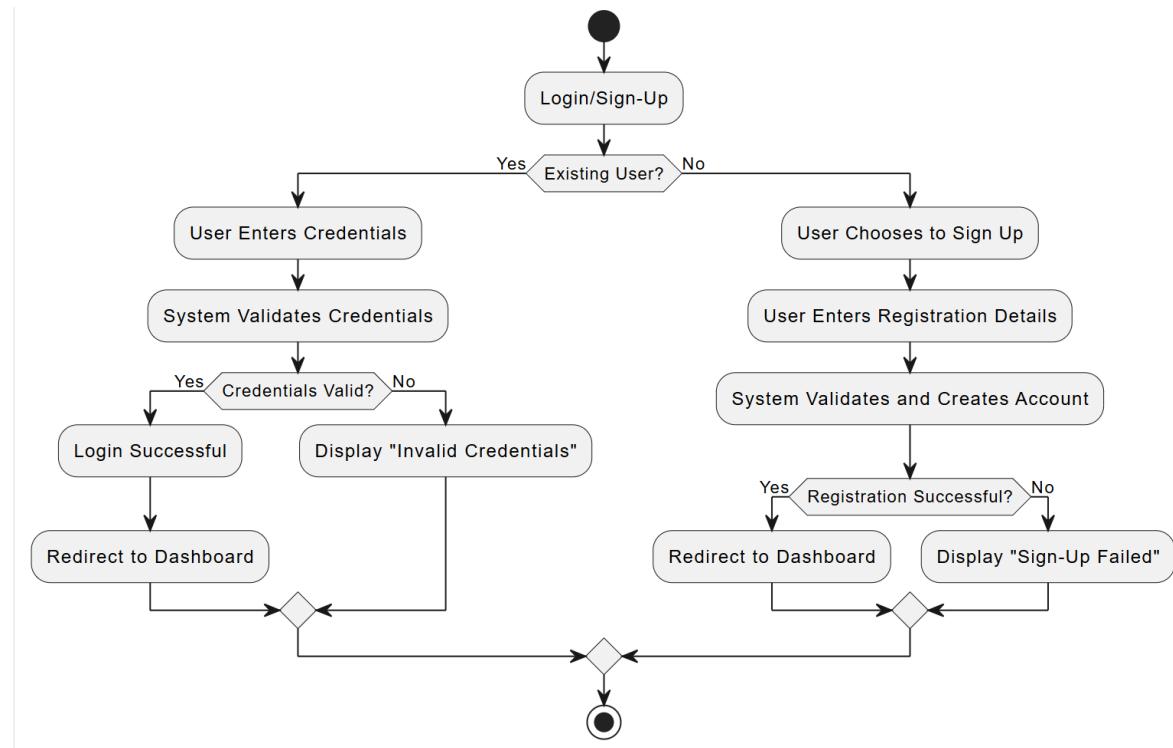


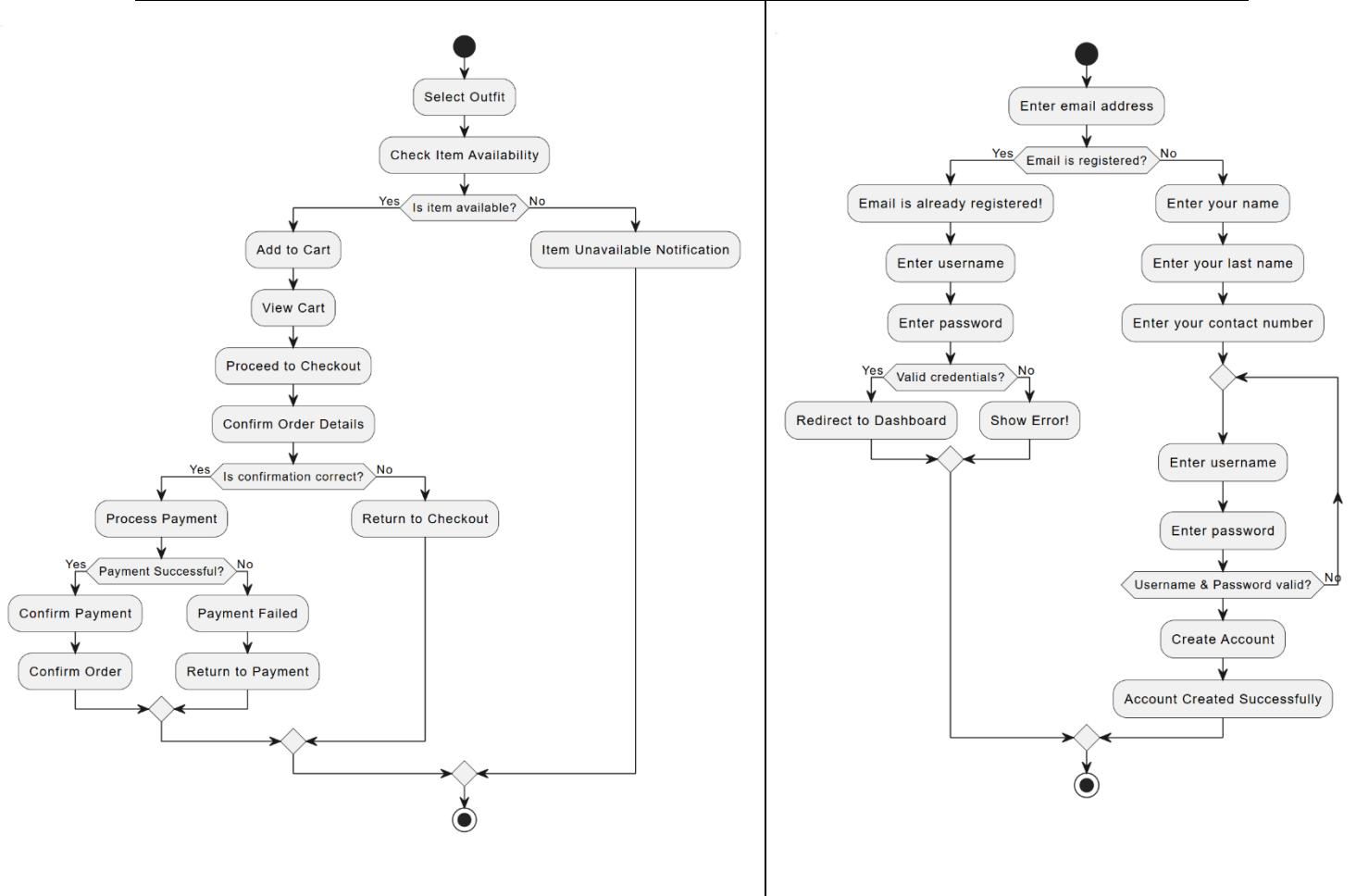
## Activity Diagrams

### Login/Sign up

Login: User enters credentials, system validates, grant access if valid, or display an error if invalid

Sign-up: User enters details, system creates accounts, grants access if successful or displays an error if failed.

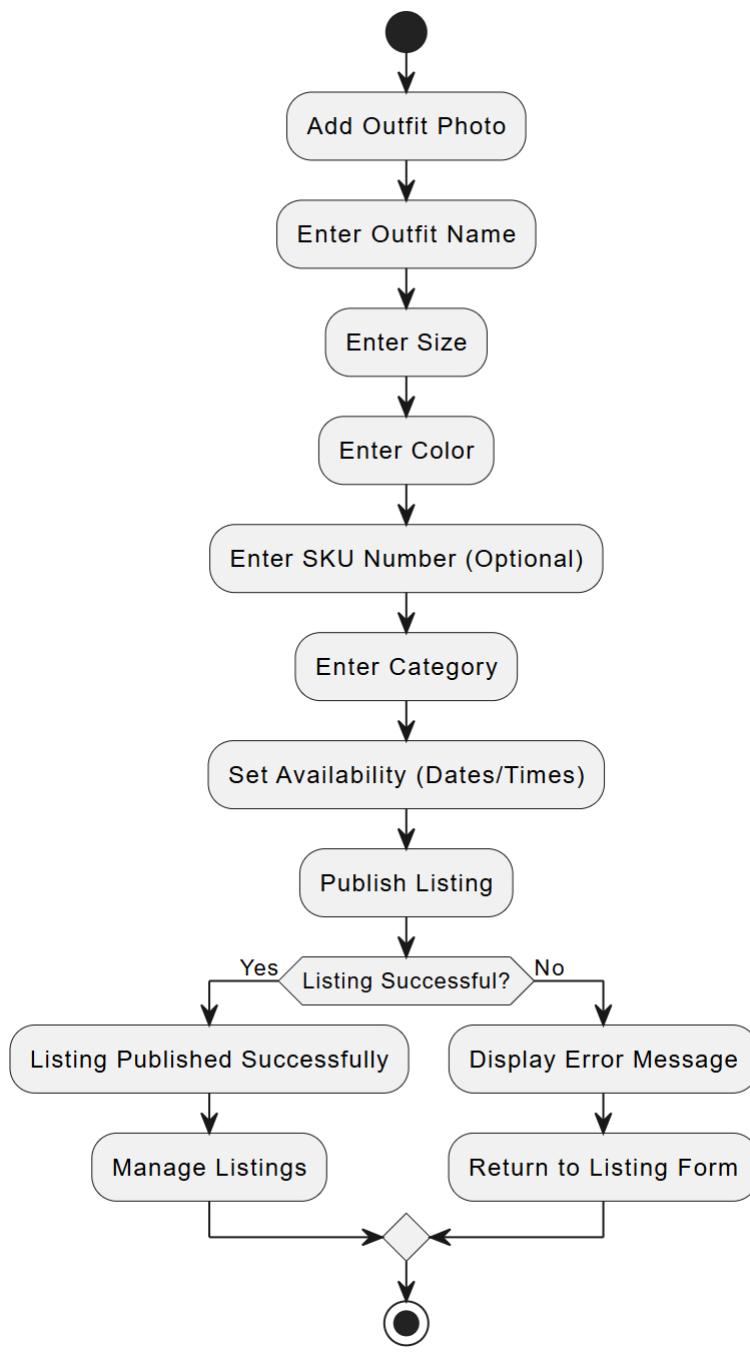




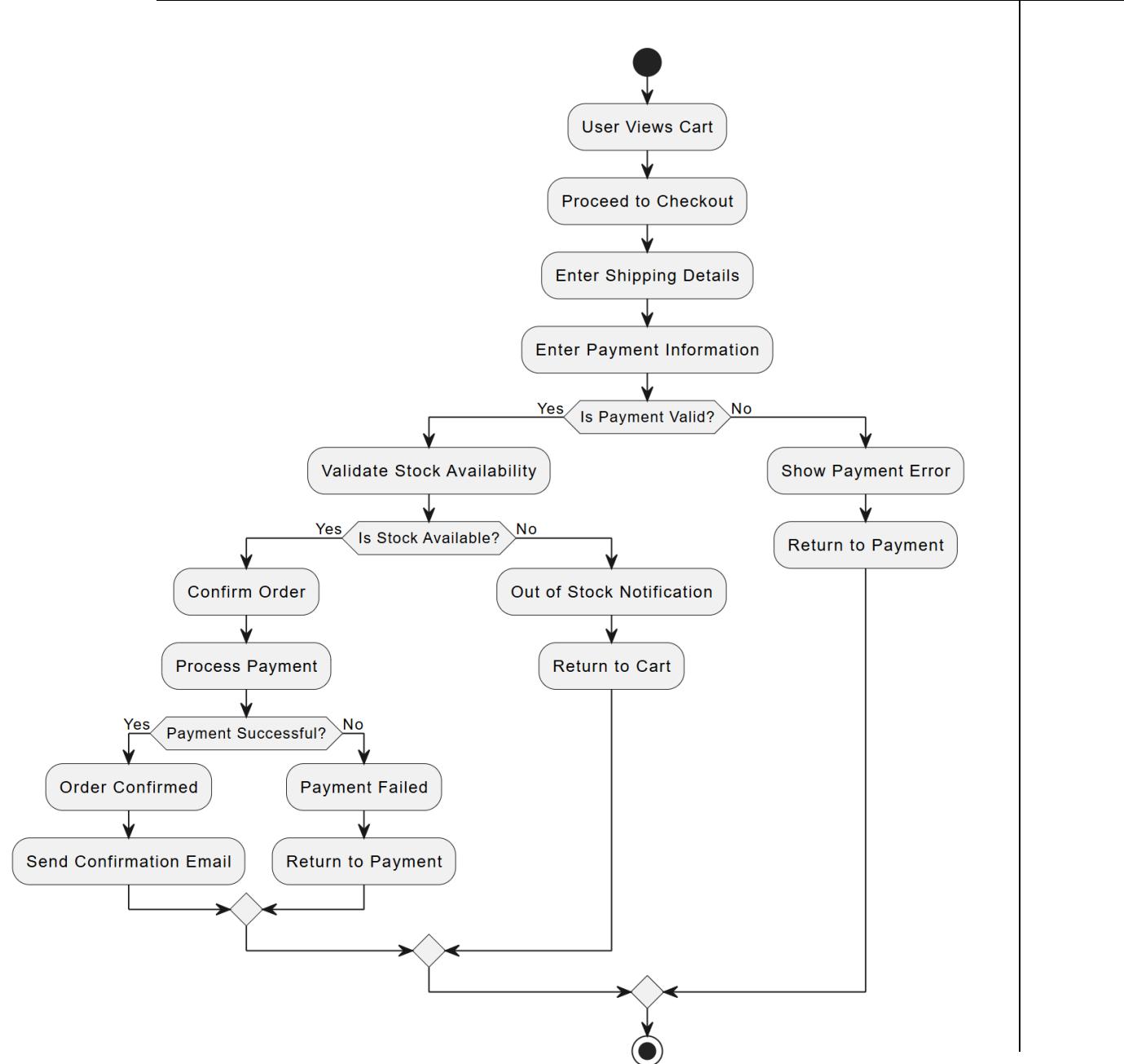
**Lending an Outfit:** This diagram simplifies the process of listing an outfit for lending. It delineates each step, from user authentication to the final listing approval, pinpointing areas where steps can be consolidated or removed to enhance ease of use. This ensures that users can list outfits quickly and without hassle, increasing the likelihood of frequent user participation and interaction.

**Creating an Account:** The activity diagram for creating an account highlights the necessary steps a new user must take to successfully register on the platform. By visualizing this process, we can identify and eliminate any redundant steps and ensure that the account creation is as streamlined as possible, reducing barriers to entry and encouraging more user sign-ups.

## LISTING AN OUTFIT



**Purchasing an Outfit:** To list an outfit on the platform, the lender begins by adding a photo, followed by entering details, setting availability, and publishing. The system then handles success or failure scenarios.

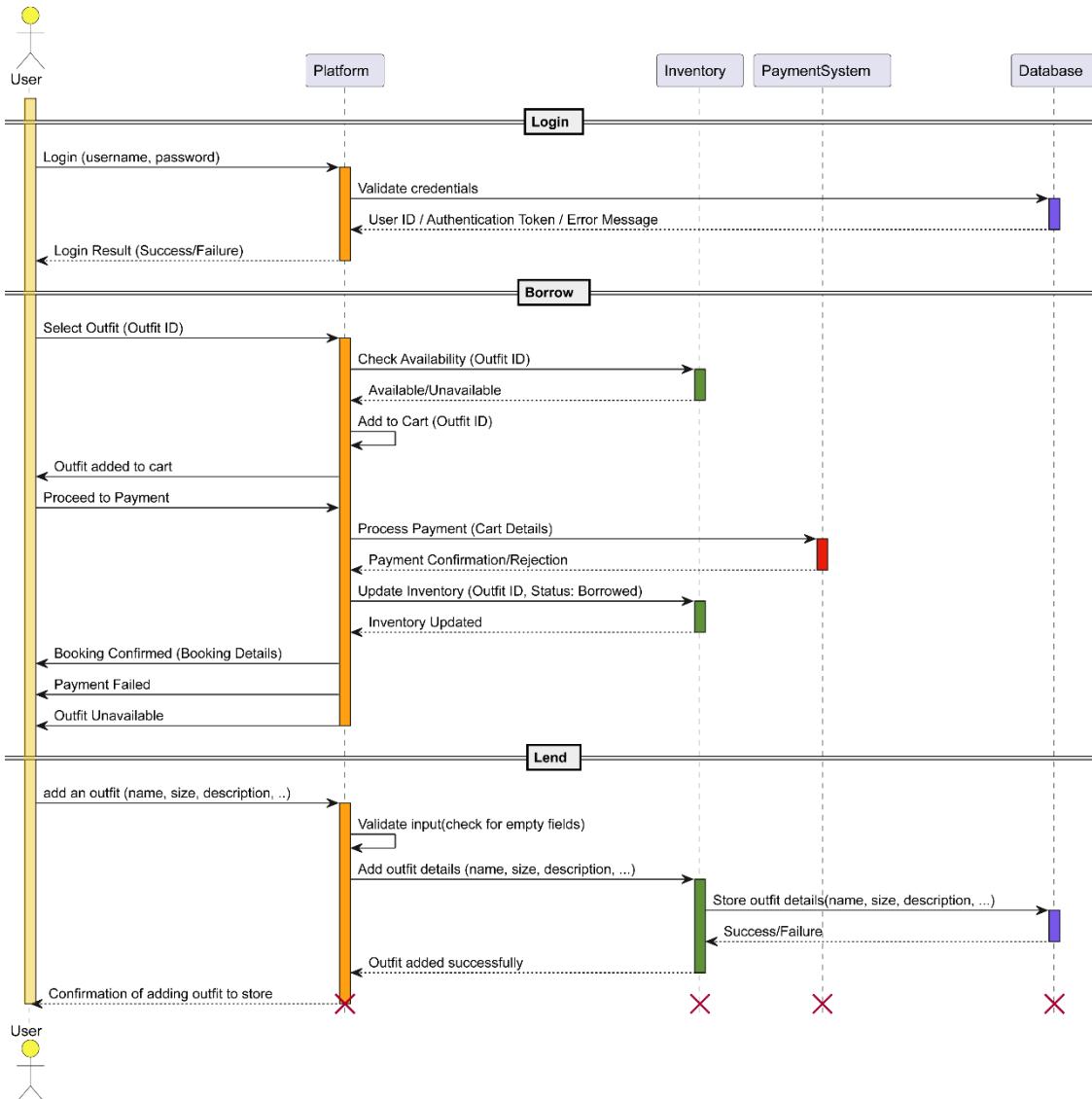


This diagram shows the online checkout process from viewing the cart to order confirmation. It includes steps for entering shipping and payment details, validating payment and stock, processing payment, and handling potential errors like payment failure or stock unavailability.



# FitXchange

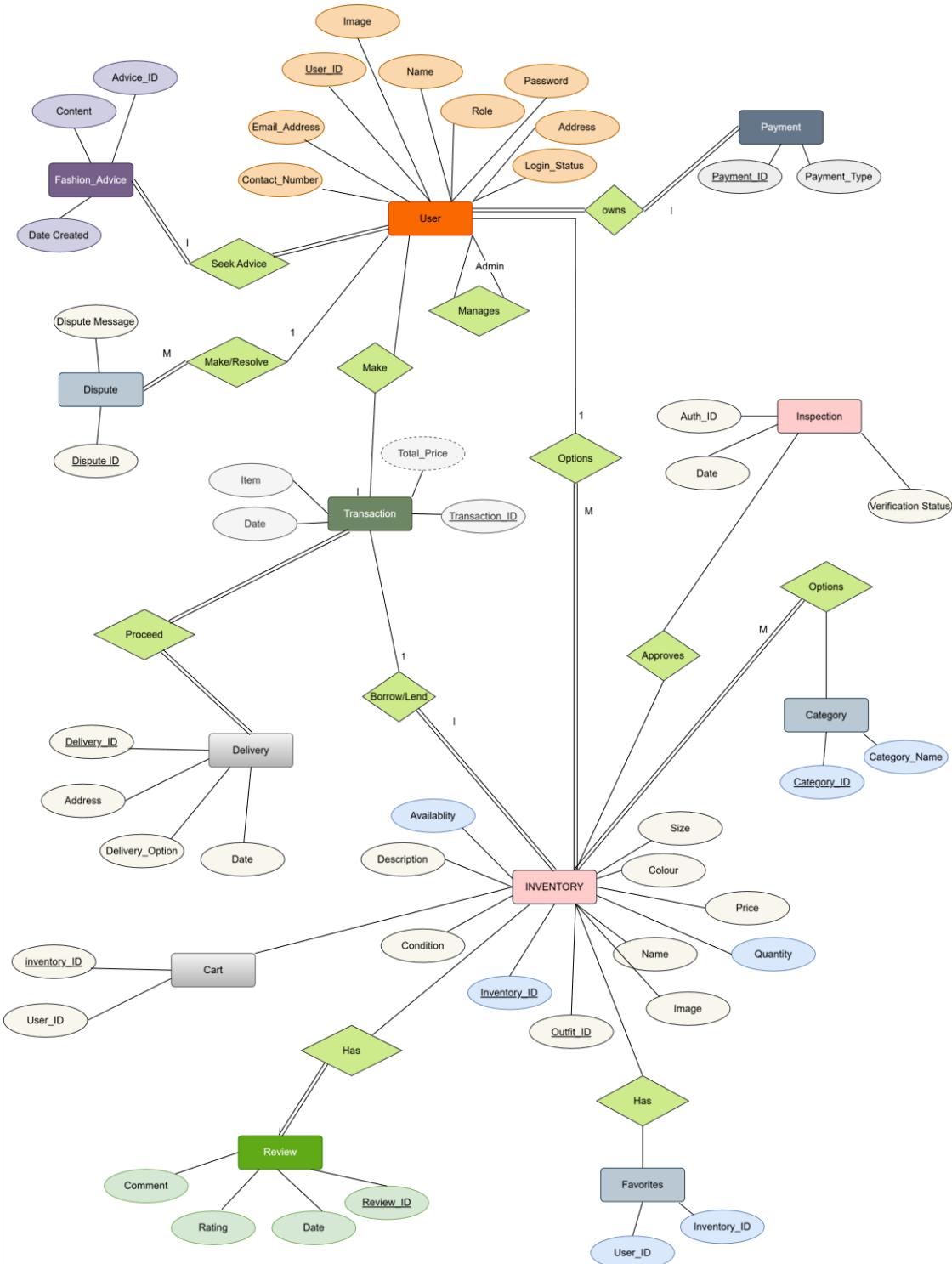
## Sequence Diagram



This diagram effectively visualizes how FitXchange processes unfold over time, detailing the communication between objects and the sequence of events that lead to a completed transaction or action. They are instrumental in identifying and approaching dependencies between system components, ensuring that each step in a user interaction is executed efficiently. Given the nature of our service, where users often rent clothes under time constraints, such as for upcoming events or meetings, it is critical that our system processes requests quickly and reliably. Sequence diagrams help us ensure that our platform meets these user expectations by allowing us to streamline operations and minimize response times. This focus on efficiency is not just a technical requirement but a fundamental aspect of user satisfaction, making the sequence diagram a key tool in our development process to enhance overall user experience.



## Entity Relation Diagram



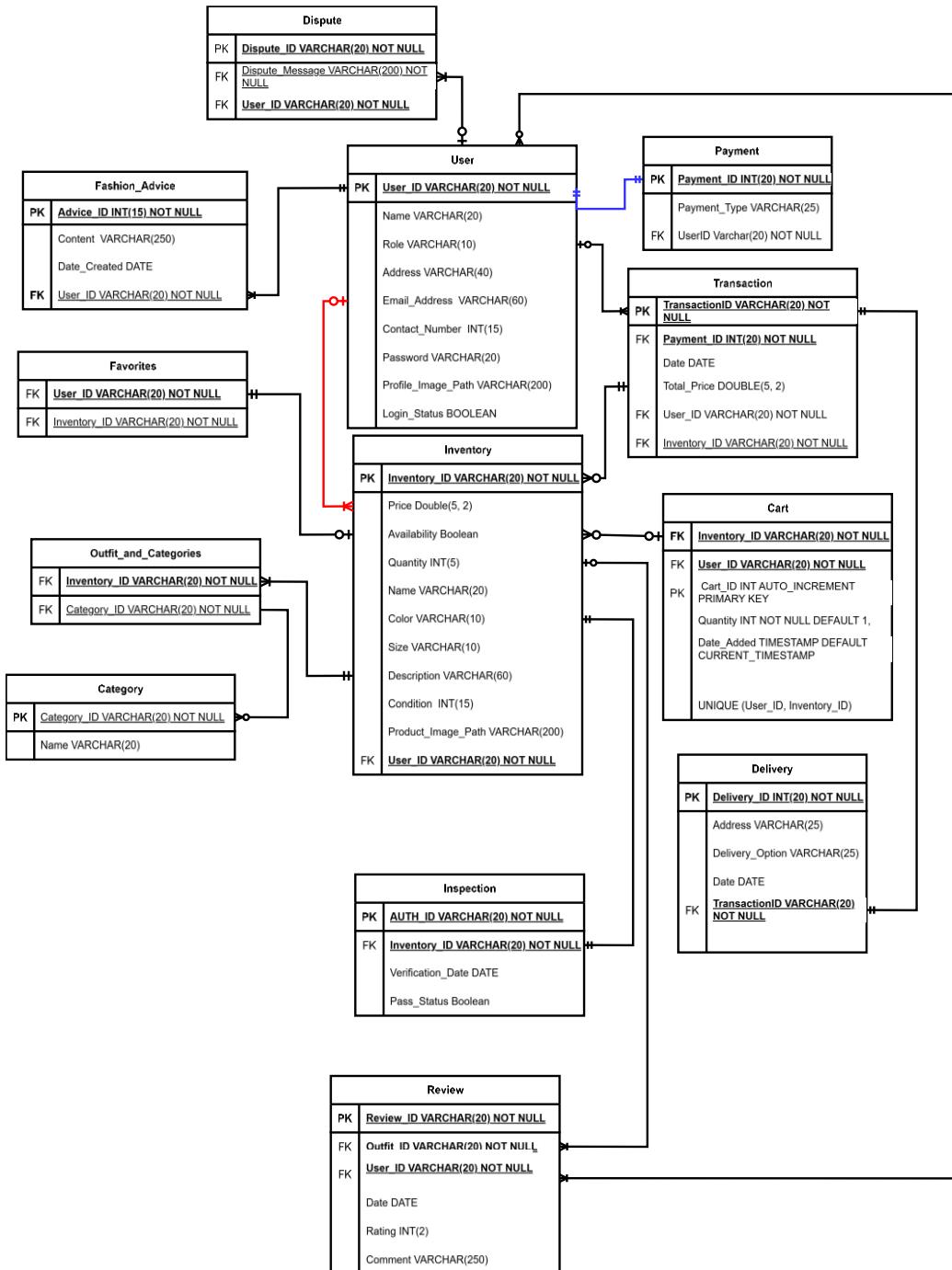
The Entity-Relationship Diagram (ERD) for FitXchange outlines the database schema, ensuring that data is organized and accessed efficiently for optimal performance.

We anticipate that users may frequently engage in time-sensitive rental transactions for events or meetings. Therefore, it is imperative that our database structure facilitates quick and reliable data retrieval.

The ERD plays a pivotal role in optimizing these processes by clearly defining entity relationships, which helps in streamlining database operations and enhancing query performance. This focus on efficient data management is not merely a technicality but a core aspect of user satisfaction, making the ERD a vital tool in our development arsenal to ensure a superior user experience.

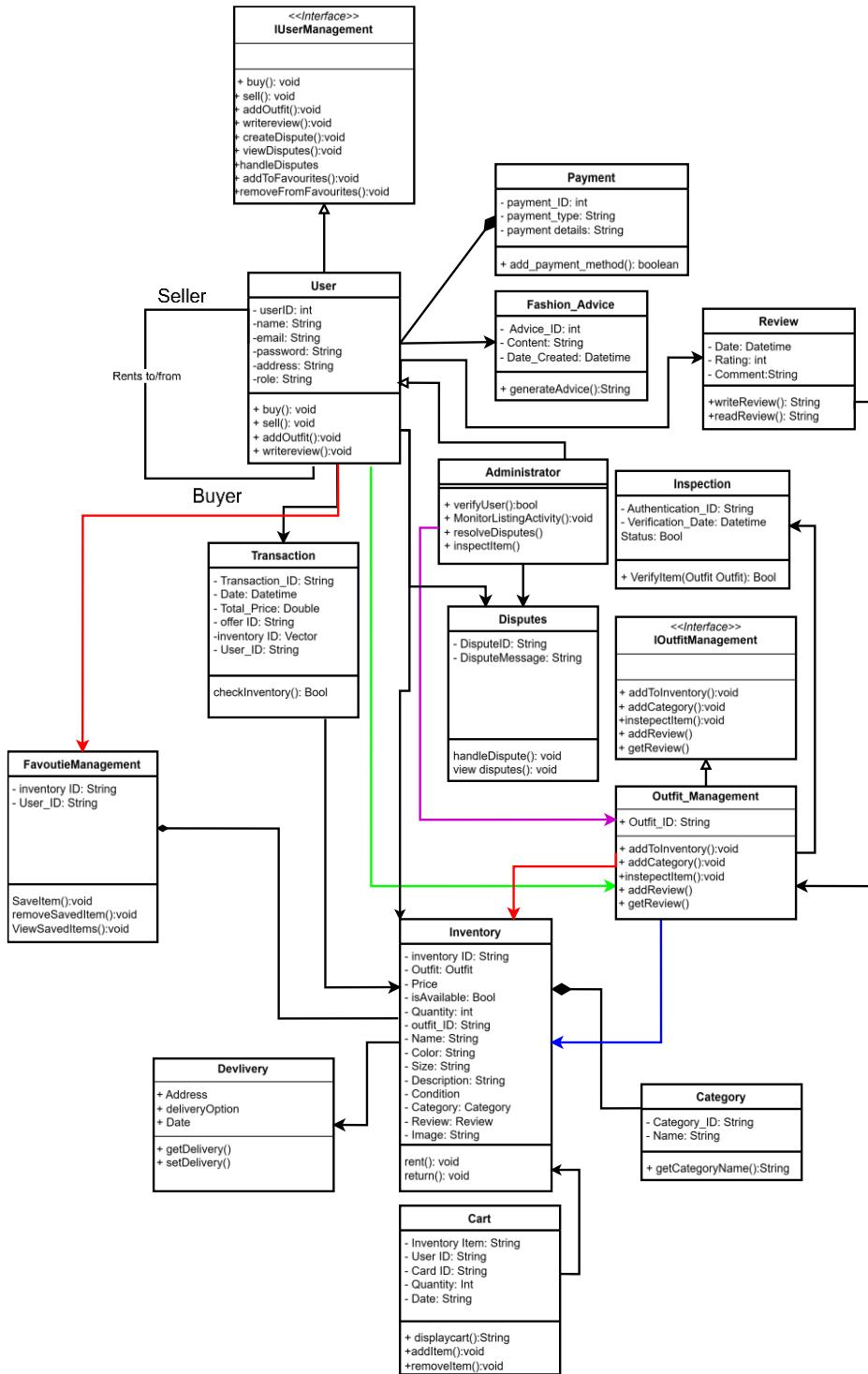


## Physical Data Model





## Class Diagram





## Colour Scheme & Design

**LOGO**

**LOGO**

**Brand Scheme**

#083736	#6BD4D3	#9A5833	#E6EB2
#007A78	#66381F	#EFBC9F	#FFEC29

**INDIVIDUAL FONTS**

**Aa**  
Palantino Bold

**Aa**  
Calibri (MS)

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z  
a b c d e f g h i j k l m n o p q r s t u v w x y z  
1 2 3 4 5 6 7 8 9 0

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z  
a b c d e f g h i j k l m n o p q r s t u v w x y z  
1 2 3 4 5 6 7 8 9 0



## FitXchange - Team Code of Conduct

### Code Of Conduct

The Code of Conduct for the FitXchange project outlines the standards and expectations for team behaviour to ensure a productive and respectful environment. Adherence to these guidelines is essential for maintaining a collaborative atmosphere and ensuring project success.

#### 1. Respect and Inclusion

- **Respect Ideas:** All team member's ideas and inputs are valuable and must be treated with respect.
- **Inclusive Environment:** The team strives to create an environment that is supportive and inclusive, fostering collaboration among all members.

#### 2. Communication

- **Clarity and Conciseness:** Communication should be clear and concise to avoid misunderstandings and ensure efficient teamwork.
- **Updates and Blockers:** Team members are expected to keep the team informed about their progress on tasks, any blockers they encounter, and delays in their work.

#### 3. Accountability

- **Feedback in Meetings:** Members should regularly provide feedback on their tasks during meetings, detailing their progress and any challenges faced.
- **Addressing Delays:** If there is no progress on a task, the member must explain the reasons and outline the steps they are taking to catch up.
- **Reporting Delays:** Significant delays without a valid reason will be reported and addressed according to project protocols.

#### 4. Meeting Etiquette

- **Punctuality:** Members are expected to be punctual and prepared for all meetings.
- **Consequences for Lateness:** If a member is late, they are responsible for bringing treats to the team as a light-hearted penalty.
- **Absence Policy:**
  - Two unexcused absences will result in a formal warning.
  - Three unexcused absences will be escalated for further action and reported.

**5. Disputes: Reasoning and Discussion:** Members dissatisfied with any decision, such as design features, must provide well-researched reasoning. Disputes should be presented to the team for discussion and resolution.

## **6. Feedback and Conflict Resolution**

- **Constructive Feedback:** Feedback should be actionable and constructive, aiming to improve project outcomes and team performance.

**Conflict Escalation:** Unresolved conflicts should be escalated to the Scrum Master, Hala, or the Product Manager, Niwhar, for mediation and resolution.

A large, semi-transparent watermark of the FitXchange logo is centered on the page. The logo consists of the word "FitXchange" in a bold, sans-serif font. The letter "X" is stylized with a teal gradient and a white outline. A faint, light blue circular graphic is positioned above the letter "i".

**FitXchange**



## FitXchange – Ethical Considerations

Ethical practices in project management are pivotal for ensuring project success, fostering stakeholder confidence, and maintaining integrity.

As project managers navigate complex ethical dilemmas, they must balance conflicting interests while upholding ethical standards to achieve successful outcomes and nurture strong relationships. [1]

This section outlines the ethical issues identified in the FitXchange project, along with proposed solutions to manage these challenges effectively.

### 1. Misrepresentation of Project Status

**Issue:** There is a risk of users uploading misleading images or inaccurate descriptions of outfits, which can lead to user dissatisfaction or disputes.

**Solution:** Promote a culture of honesty and integrity. Empower project managers to provide transparent updates and conduct regular audits to ensure accuracy and address issues promptly. Establish a safe space for reporting concerns to foster trust and informed decision-making. [1]

### 2. Lack of Diversity

**Issue:** The website may fail to adequately cater to the diverse cultural, social, or demographic needs of users, potentially limiting user engagement and representation.

**Solution:** Sensitivity and inclusivity in managing teams and stakeholders from diverse backgrounds are crucial to ensure effective collaboration and project success. [1]

### 3. Data Privacy and Security

**Issue:** Users will provide personal data, including contact and payment information, which could be compromised if not properly secured.

**Solution:** Implement robust data protection measures to prevent unauthorized access and misuse of personal information. [2]

### 4. Conflict of Interest

**Issue:** Team members may show favouritism in allocating resources, leading to unfair access to shared outfits.

**Solution:** Uphold strict ethical project management practices to ensure trust, accountability, and integrity. Avoiding conflicts of interest is essential for project credibility and success. [1][3]

## **5. Health and Safety Concerns**

**Issue:** There is a potential risk of spreading infections or skin conditions through unclean or untreated garments.

**Solution:** Implement standards for hygiene and ensure proper treatment of garments. Raise user awareness to mitigate health and safety risks associated with shared clothing. [4]

## **6. Environmental Concerns**

**Issue:** Renting clothes increases deliveries, travel, and the use of cleaning services, which can significantly impact the environment. [5]

**Solution:** Adopt eco-friendly practices such as using carbon-neutral delivery services or bike couriers and promote sustainable cleaning technologies like wet-washing or ozone treatments. [5]

## **7. Intellectual Property**

**Issue:** Some clothing brands may object to their items being shared without explicit permission. [6]

**Solution:** Ensure that all clothing shared on the platform is authentic and complies with each brand's guidelines. Engage with brands to secure permissions where necessary. [7]



## Sprint 3 Tickets

### Develop Transaction and Rental Process #100

Edit ⌂ ⌂ ⌂ ⌂ ⌂

Open

0 / 11

Evan-Balson/SE-Spring-Project Public

Edits ⌂ ⌂ ⌂

Evan-Balson opened last week · edited by M12rezaei

Transaction and Rental Process: As a user, I want an effortless rental process, including clear pricing, secure payment, and flexible options, so that my experience is seamless and hassle-free.

Requires:

- Develop the Listing View Pug
- Develop the Cart View pug
- Develop the Checkout Pug
- Develop the Listing view CSS
- Develop the Cart CSS
- Develop the Checkout CSS
- Implement Controller for Listing View
- Implement Controller for Cart
- Implement Controller for Checkout

Return and Delivery instructions underneath the checkout

Assignees	
	M12rezaei
Labels	
No labels	
Projects	
Software Engineering Project	
Status	Done (Sprint3)
Priority	Choose an option
Size	Choose an option
Estimate	Enter number...
Iteration	Choose an iteration
Start Date	Mar 6, 2025
End Date	Mar 8, 2025

### Develop Signup & Login Process #110

Edit ⌂ ⌂ ⌂ ⌂ ⌂

Open

9 / 11

Evan-Balson/SE-Spring-Project Public

Edits ⌂ ⌂ ⌂

Evan-Balson opened last week · edited by Evan-Balson

Sign-up and Login: 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.

Requires:

- Develop Login Pug
- Develop register Pug
- Develop Login CSS
- Develop register CSS
- Develop Login Controller
- Develop register Controller
- Integrate Controller into user Class
- Develop account PUG
- Develop Account CSS
- Develop Account Controller
- Add Terms and Conditions tag to Sign up page

Assignees	
	Evan-Balson
Labels	
No labels	
Projects	
Software Engineering Project	
Status	Done (Sprint3)
Priority	Choose an option
Size	Choose an option
Estimate	Enter number...
Iteration	Choose an iteration
Start Date	Mar 6, 2025
End Date	Mar 11, 2025

## Develop Administrator View #126

Edit ⌂ ⌓ ⌖ ⌗ ⌘ ⌙

Open

0 / 4

Evan-Balson/SE-Spring-Project Public



Evan-Balson opened last week · edited by BAK23592238

Edits ⌖ ⌘

User Verification and Security: 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.

Moderating and Policy Enforcement: 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.

Requires:

- Develop Administrator Pug
- Develop Administrator CSS
- Develop Controller For administrator
- Implement necessary methods into Administrator class



Sub-issues 0 of 4

Preview

Assignees

BAK23592238

Labels

No labels

Projects

Software Engineering Project

Status Done (Sprint3)

Priority	Choose an option
Size	Choose an option
Estimate	Enter number...
Iteration	Choose an iteration
Start Date	Mar 6, 2025
End Date	Mar 9, 2025

## Develop Browsing & Filtering #95

Edit ⌂ ⌓ ⌖ ⌗ ⌘ ⌙

Open

0 / 4

Evan-Balson/SE-Spring-Project Public



Evan-Balson opened last week · edited by nino2000

Edits ⌖ ⌘

Browsing and Filtering: 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.

Requires:

- Develop Home Page PUG
- Develop CSS for Home Page
- Controller for home page
- implement filtering mechanism in Inventory



Sub-issues 0 of 4

Preview

Assignees

nino2000

Labels

No labels

Projects

Software Engineering Project

Status Done (Sprint3)

Priority	Choose an option
Size	Choose an option
Estimate	Enter number...
Iteration	Choose an iteration
Start Date	Mar 6, 2025
End Date	Mar 9, 2025

Milestone

No milestone



# FitXchange

## Meeting Minutes

Date & Time	2/03/2025 : 7:30PM
Project Name	FitXchange Web App Development
Meeting Goal	<ol style="list-style-type: none"><li>1. Overview of project requirements and current status</li><li>2. Discussion and assignment of upcoming tasks</li><li>3. Resource allocation and timeline adjustments</li><li>4. Any other business</li><li>5. Closure</li></ol>
Facilitator	Evan
Note Taker	Hala
Attendees	Evan, Mahbouba, Hala, Nihwar
Roundtable Updates (each group member to contribute)	<p>Each team member provided updates on their current tasks and preliminary findings.</p> <ul style="list-style-type: none"><li>• <b>Evan Balson:</b> Highlighted overall project progress and stressed the importance of upcoming enhancements in user management functionalities.</li><li>• <b>Hala:</b> Reviewed the development progress on the Administrator View, User Account Management, and Favorites View, noting key integrations and security updates.</li><li>• <b>Mahbouba:</b> Shared insights into the Transaction and Rental Process enhancements, discussing integration challenges and solutions.</li></ul>

	<ul style="list-style-type: none"> <li><b>Nihwar:</b> Outlined the initial designs for Browsing &amp; Filtering and Order History Page &amp; Process, emphasizing improvements in user experience and backend stability.</li> </ul>
Discussion Points	<p>The team discussed several key issues that could impact project timelines and resource allocation:</p> <ul style="list-style-type: none"> <li><b>Resource Allocation:</b> Hala led a discussion on the need for reallocation of resources, proposing shifting some backend resources to frontend development to better meet project deadlines.</li> <li><b>Security Enhancements:</b> Evan brought up the need for integrating more robust security measures in the Signup &amp; Login processes, including multi-factor authentication and encryption.</li> <li><b>Testing Phases:</b> Mahbouba suggested scheduling additional testing phases to ensure new features integrate smoothly with existing systems.</li> </ul>
Actions (list tasks and assign a group member)	<p><b>Nihwar:</b></p> <ul style="list-style-type: none"> <li><b>Task:</b> Lead the development of Browsing &amp; Filtering and the Order History Page.</li> <li><b>Objective:</b> Enhance user experience and improve data handling.</li> <li><b>Deadline:</b> Next review meeting in two weeks.</li> </ul> <p><b>Hala:</b></p> <ul style="list-style-type: none"> <li><b>Task:</b> Oversee the final touches on the Administrator View and ensure integration with User Account Management features.</li> </ul>

	<ul style="list-style-type: none"> <li>• <b>Objective:</b> Align new developments with security protocols.</li> <li>• <b>Deadline:</b> Ongoing, with updates due next meeting.</li> </ul> <p><b>Mahbouba:</b></p> <ul style="list-style-type: none"> <li>• <b>Task:</b> Coordinate backend integration for the Transaction and Rental Process.</li> <li>• <b>Objective:</b> Ensure smooth operations and user interface interactions.</li> <li>• <b>Deadline:</b> Prior to the testing phase.</li> </ul> <p><b>Evan:</b></p> <ul style="list-style-type: none"> <li>• <b>Task:</b> Review and approve security implementations in Signup &amp; Login processes.</li> <li>• <b>Objective:</b> Enhance user data protection.</li> <li>• <b>Deadline:</b> Completion before the staging deployment.</li> </ul>

# FitXchange

Date & Time	2/03/2025 : 7:30PM
Project Name	FitXchange Web App Development
Meeting Goal	<ol style="list-style-type: none"> <li>1. Progress review on key tasks</li> <li>2. Address immediate deadlines and debug plans</li> <li>3. Update on documentation and deployment tasks</li> <li>4. Sprint 2 feedback and improvements on project management</li> <li>5. Assigning remaining tasks and final discussions</li> <li>6. Q&amp;A</li> </ol>
Facilitator	Evan
Note Taker	Hala
Attendees	Evan, Mahbouba, Hala, Nihwar
Roundtable Updates (each group member to contribute)	<p>Nihwar's Update:</p> <p><b>Develop Browsing &amp; Filtering (Task #95):</b></p> <ul style="list-style-type: none"> <li>• <b>Objective:</b> Implement efficient browsing and filtering functionalities to enhance user experience on the platform.</li> <li>• <b>Outcome:</b> Nihwar successfully developed sophisticated browsing and filtering mechanisms that allow users to seamlessly navigate and find products or services based on detailed criteria such as category, price, and popularity. This feature utilizes advanced algorithms to provide relevant and quick results, which has significantly improved user engagement and satisfaction.</li> </ul> <p>Hala's Updates:</p> <ul style="list-style-type: none"> <li>• <b>Administrator Files + Wireframe:</b> <ul style="list-style-type: none"> <li>◦ <b>Objective:</b> Design and develop administrative interfaces to manage user activities and backend processes.</li> <li>◦ <b>Outcome:</b> Hala has completed wireframes for the administrative dashboard, which provides comprehensive control and monitoring features for backend processes, enhancing the admin's ability to manage the application efficiently.</li> </ul> </li> <li>• <b>User Stories + Cases:</b></li> </ul>

- **Objective:** Outline user stories and cases to better understand user needs and ensure the application aligns with these requirements.
    - **Outcome:** Hala has meticulously crafted user stories and cases, which have been instrumental in defining functional requirements and guiding the development team in feature implementation.
  - **Update Kanban Board:**
    - **Objective:** Keep the project management tools up-to-date to reflect the current status of tasks and overall project progress.
    - **Outcome:** Hala has updated the Kanban board, ensuring it accurately displays the tasks being worked on and their progress. This update helps in maintaining clear and transparent communication across the team.
- Evan's Updates:
- **Develop Login Pug (#111) and Develop Register Pug (#112):**
    - **Objective:** Create user-friendly and visually appealing login and registration pages.
    - **Outcome:** Evan completed the PUG templates for both login and registration pages, ensuring they are responsive and align with our design guidelines.
  - **Develop Login CSS (#113) and Develop Register CSS (#114):**
    - **Objective:** Style the login and registration pages for better user experience.
    - **Outcome:** Evan applied CSS styling to enhance the visual appeal and usability of these pages, focusing on consistency with the overall design of the application.
  - **Develop Login Controller (#115) and Develop Register Controller (#116):**
    - **Objective:** Implement backend logic for handling user login and registration processes.
    - **Outcome:** Evan developed controllers that efficiently manage user authentication and data validation, ensuring secure user login and registration.
  - **Integrate Controller into User Class (#117):**
    - **Objective:** Seamlessly integrate the authentication controllers with the user class to manage user sessions and states efficiently.

- **Outcome:** Evan successfully integrated the login and registration controllers with the user class, which now handles user sessions and enhances security across the application.

#### Plans Moving Forward:

- **Update Documentation:** Evan plans to update the development documentation to include the new login and registration features, ensuring all team members can easily understand and work with the new codebase.
- **Code Review and Optimization:** Scheduled code reviews with team members to ensure the new modules adhere to our coding standards and perform optimally.
- **Deployment and Testing:** Evan will oversee the initial deployment of these features on a staging environment to conduct thorough testing, ensuring everything operates seamlessly before the final rollout.
- **Refine ERD and Physical Data Model:** Evan will detail the data relationships and structures in the updated ERD and physical data model, ensuring alignment with the current database schema.
- **Update Class Diagram:** The class diagram will be updated to accurately reflect the latest object-oriented structures and relationships used in the application, providing a clear guide for developers.

#### Mahbouba's Update:

#### Tasks and Outcomes:

1. **Develop the Listing View Pug:**
  - **Objective:** Create a user-friendly interface for listing items available for rent or purchase.
  - **Outcome:** Mahbouba developed a responsive Pug template for the listing view, enhancing the ease of navigation and item selection.
2. **Develop the Cart View Pug:**
  - **Objective:** Design an intuitive shopping cart interface that allows users to review items before proceeding to checkout.
  - **Outcome:** She created a cart view that integrates smoothly with the listing view, allowing users to easily add and modify selections.
3. **Develop the Checkout Pug:**
  - **Objective:** Implement a secure and straightforward checkout process.

	<ul style="list-style-type: none"> <li>○ <b>Outcome:</b> The checkout interface designed by Mahbouba facilitates a quick, secure, and clear transaction completion process.</li> </ul> <p><b>4. Develop CSS for Listing, Cart, and Checkout Views:</b></p> <ul style="list-style-type: none"> <li>○ <b>Objective:</b> Ensure that the styling of the listing, cart, and checkout pages is visually appealing and consistent with the rest of the application.</li> <li>○ <b>Outcome:</b> She applied CSS that enhances the user interface's aesthetic and functional appeal, maintaining brand consistency and improving usability.</li> </ul> <p><b>5. Implement Controllers for Listing View, Cart, and Checkout:</b></p> <ul style="list-style-type: none"> <li>○ <b>Objective:</b> Develop backend logic to handle the dynamic aspects of listing, cart management, and checkout operations.</li> <li>○ <b>Outcome:</b> Mahbouba implemented controllers that efficiently manage data flow and interactions, ensuring robust functionality and security during transactions.</li> </ul> <p><b>Additional Features:</b></p> <ul style="list-style-type: none"> <li>• <b>Return and Delivery Instructions:</b> Integrated clear instructions for return and delivery processes beneath the checkout section, adding to user convenience and clarity.</li> </ul>
Discussion Points	<p><b>Mahbouba's Discussion:</b></p> <p>Mahbouba reported on the successful implementation of these tasks, detailing the technical challenges overcome, particularly in synchronizing the frontend interactions with backend processes. She emphasized the importance of security measures implemented throughout the transaction process.</p> <p><b>Niwhar's Discussion:</b></p> <p>During the meeting, Niwhar presented the latest developments in the Browsing &amp; Filtering and Order History functionalities. He discussed the challenges in handling large datasets and ensuring quick response times for the filtering algorithms.</p>

	<p><b>Hala's Discussion and Plans:</b></p> <p>During the meeting, Hala presented the new administrator wireframes, emphasizing the enhancements in user interface design that aim to facilitate better management and oversight of application functionalities. She discussed the integration of feedback from the last review session to improve the design and functionality of the administrative panels.</p>
	<p><b>Evan's Discussion and Plans:</b></p> <p>Evan provided an overview of the enhancements made to the signup and login pages, focusing on improving the user experience and increasing security measures. He discussed implementing advanced security features such as multi-factor authentication and encryption to protect user password. Evan also covered the integration of backend validation processes that help prevent common security vulnerabilities.</p> <p>Additionally, Evan detailed the challenges encountered while integrating the controllers with the user class, especially around session management and security. He shared insights into the solutions implemented, such as using express-session for managing user sessions in a more secure manner. This integration is pivotal for maintaining a robust security framework within our application.</p> <p>During the meeting, Evan presented the current versions of the ERD, physical data model, and class diagram. He pointed out specific areas that needed updates based on the latest project developments, including changes made to the database schema and new functionalities added to the application. Evan emphasized the importance of these diagrams in maintaining a clear and consistent architectural overview, which aids in both development and troubleshooting.</p>
Actions (list tasks and assign a group member)	<p><b>Action Items for Mahbouba:</b></p> <ul style="list-style-type: none"> <li>• <b>Performance Monitoring:</b> Monitor the performance of the new transaction and rental process, particularly during peak usage times.</li> <li>• <b>Feedback Collection and Implementation:</b> Set up mechanisms to collect and analyze user feedback, and schedule development sprints to implement necessary adjustments.</li> </ul>

- **Optimization and Testing:** Focus on further optimizing the user interface and backend processes. Conduct extensive testing to ensure all components function seamlessly together and handle edge cases effectively.
- **User Feedback Integration:** Plan to incorporate user feedback from initial use to refine the functionalities, especially focusing on the checkout and cart management features.

#### Action Items for Evan:

- **Prepare for Deployment:** Finalize all preparations for deploying the updated login and registration features.
- **Host a Code Review Session:** Organize a session with Hala, Mahbouba, and Nihwar to go through the new code, ensuring clarity and adherence to best practices.
- **Update the Project Kanban Board:** Reflect the completion of these tasks on the Kanban board and adjust upcoming tasks accordingly.

#### Further Updates and Action Items:

*Refinement of ERD, Physical Data Model, and Class Diagram:*

- **Objective:** Update the Entity-Relationship Diagram (ERD), Physical Data Model, and Class Diagram to reflect recent changes and enhancements in the database and application architecture.
- **Outcome:** Evan has taken on the responsibility of refining these critical design documents to ensure they accurately represent the data relationships and class structures as the project evolves.
- **Documentation Update:** Update the project documentation to include the revised diagrams, ensuring that all team members have access to the latest project schematics.

#### Hala's Action Items:

- **Fix Kanban Board Issues:** She identified some discrepancies in task statuses on the Kanban board and plans to address these to ensure accurate tracking.
- **Review SQL Queries and Other Code:** Hala will conduct a thorough review of the SQL queries and other backend code to ensure they meet performance expectations and security standards.

	Action Items for Niwhar:
	<ul style="list-style-type: none"> <li><b>Conduct Performance Testing:</b> Organize comprehensive testing of the browsing and filtering functionalities to ensure they perform well under different user loads.</li> <li><b>User Interface Improvements:</b> Based on user feedback, make necessary adjustments to the Browse &amp; Filtering Page to enhance usability and visual appeal.</li> <li><b>Documentation Update:</b> Update the technical documentation to reflect the new features and any changes made during the development process.</li> </ul>

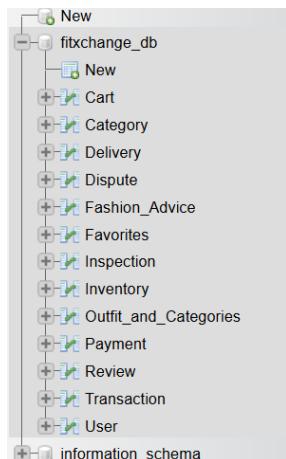
## Attendance Sheet

SEMINAR AND WEEKLY MEETINGS ATTENDANCE SHEET														
SOFTWARE ENGINEERING														
Project Title:	FitChange													
Team Members:	Niwhar Amin													
	Mahbouba Rezaei													
	Evan Balson													
	Hala Bakhtiar													
Project Start Date:	1/23/2025													
Project End Date:	4/7/2025													
Points System:	Total Points = 10													
Minus 5 points for each meeting you miss. There's only 2 meetings (seminar and weekly meetings on Sundays)														
Minus 2 points if you are late to the meeting.														
Member Roles	Member Names	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Total For Each Person
Product Manager	Niwhar Amin	10.00	5.00	5.00	5.00	10.00	5.00	10.00						50.00
Team Member	Mahbouba Rezaei	10.00	10.00	5.00	5.00	10.00	5.00	10.00						50.00
Team Member	Evan Balson	10.00	8.00	5.00	5.00	10.00	5.00	10.00						53.00
Scrum Master	Hala Bakhtiar	10.00	10.00	5.00	5.00	10.00	5.00	10.00						55.00
	Total points:	40.00	33.00	28.00	20.00	40.00	20.00	40.00	0.00	0.00	0.00	0.00	0.00	213.00
Team signature _____														
Product Manager signature _____														



## Database Implementation

Table	Action	Rows	Type	Collation	Size	Overhead
Cart	<span>Browse</span> <span>Structure</span> <span>Search</span> <span>Insert</span> <span>Empty</span> <span>Drop</span>	10	InnoDB	utf8mb4_0900_ai_ci	48.0 KiB	-
Category	<span>Browse</span> <span>Structure</span> <span>Search</span> <span>Insert</span> <span>Empty</span> <span>Drop</span>	10	InnoDB	utf8mb4_0900_ai_ci	16.0 KiB	-
Delivery	<span>Browse</span> <span>Structure</span> <span>Search</span> <span>Insert</span> <span>Empty</span> <span>Drop</span>	10	InnoDB	utf8mb4_0900_ai_ci	32.0 KiB	-
Dispute	<span>Browse</span> <span>Structure</span> <span>Search</span> <span>Insert</span> <span>Empty</span> <span>Drop</span>	10	InnoDB	utf8mb4_0900_ai_ci	32.0 KiB	-
Fashion_Advice	<span>Browse</span> <span>Structure</span> <span>Search</span> <span>Insert</span> <span>Empty</span> <span>Drop</span>	10	InnoDB	utf8mb4_0900_ai_ci	32.0 KiB	-
Favorites	<span>Browse</span> <span>Structure</span> <span>Search</span> <span>Insert</span> <span>Empty</span> <span>Drop</span>	10	InnoDB	utf8mb4_0900_ai_ci	32.0 KiB	-
Inspection	<span>Browse</span> <span>Structure</span> <span>Search</span> <span>Insert</span> <span>Empty</span> <span>Drop</span>	10	InnoDB	utf8mb4_0900_ai_ci	32.0 KiB	-
Inventory	<span>Browse</span> <span>Structure</span> <span>Search</span> <span>Insert</span> <span>Empty</span> <span>Drop</span>	10	InnoDB	utf8mb4_0900_ai_ci	32.0 KiB	-
Outfit_and_Categories	<span>Browse</span> <span>Structure</span> <span>Search</span> <span>Insert</span> <span>Empty</span> <span>Drop</span>	10	InnoDB	utf8mb4_0900_ai_ci	32.0 KiB	-
Payment	<span>Browse</span> <span>Structure</span> <span>Search</span> <span>Insert</span> <span>Empty</span> <span>Drop</span>	10	InnoDB	utf8mb4_0900_ai_ci	32.0 KiB	-
Review	<span>Browse</span> <span>Structure</span> <span>Search</span> <span>Insert</span> <span>Empty</span> <span>Drop</span>	10	InnoDB	utf8mb4_0900_ai_ci	48.0 KiB	-
Transaction	<span>Browse</span> <span>Structure</span> <span>Search</span> <span>Insert</span> <span>Empty</span> <span>Drop</span>	10	InnoDB	utf8mb4_0900_ai_ci	64.0 KiB	-
User	<span>Browse</span> <span>Structure</span> <span>Search</span> <span>Insert</span> <span>Empty</span> <span>Drop</span>	11	InnoDB	utf8mb4_0900_ai_ci	16.0 KiB	-
13 tables	Sum	131	InnoDB	utf8mb4_0900_ai_ci	448.0 KiB	0 B



AUTH_ID	Inventory_ID	Verification_Date	Pass_Status
A001	I001	2023-01-10	1
A002	I002	2023-01-11	0
A003	I003	2023-01-12	1
A004	I004	2023-01-13	1
A005	I005	2023-01-14	1
A006	I006	2023-01-15	1
A007	I007	2023-01-16	1
A008	I008	2023-01-17	1
A009	I009	2023-01-18	1
A010	I010	2023-01-19	1

User_ID	Name	Role	Address	Email_Address	Contact_Number	Password	Profile_Image_Path	Login_Status
U001	Ella Morris	Customer	12 High St, Oxford, OX1 4DB	ella.morris@outlook.com	447890123456	password123	..//images/profile.jpg	0
U002	Mason Clarke	Admin	58 Queen St, Edinburgh, EH2 3NS	mason.clarke@gmail.com	447890123457	password123	..//images/profile.jpg	0
U003	Ava Taylor	Customer	103 King's Road, Chelsea, SW3 5EQ	ava.taylor@yahoo.com	447890123458	password123	..//images/profile.jpg	0
U004	Oliver Wilson	Customer	2 The Drive, Richmond, TW9 1AE	oliver.wilson@hotmail.com	447890123459	password123	..//images/profile.jpg	0
U005	Sophia Evans	Seller	49 Piccadilly, Manchester, M1 2AP	sophia.evans@icloud.com	447890123450	password123	..//images/profile.jpg	0
U006	Liam Brown	Customer	32 Elm Row, Leith, EH7 4AI	liam.brown@sky.com	447890123451	password123	..//images/profile.jpg	0
You can also edit most values by double-clicking directly on them.								
U008	Isabella Jones	Admin	27 Westgate, Bath, BA1 1EP	isabella.jones@outlook.com	447890123452	password123	..//images/profile.jpg	0
U009	Noah Davis	Seller	114 High St, Guildford, GU1 3HJ	noah.davis@gmail.com	447890123453	password123	..//images/profile.jpg	0
U010	Amelia Green	Customer	88 Church St, Liverpool, L1 3AY	amelia.green@yahoo.com	447890123454	password123	..//images/profile.jpg	0
Jacob Martin	Customer	14 Bond St, Bristol, BS1 3LU	jacob.martin@hotmail.com	447890123455	password123	..//images/profile.jpg	0	

## Appendix

### Software Project on Github

Link:

<https://github.com/Evan-Balson/SE-Spring-Project.git>

The screenshot shows the GitHub repository page for 'SE-Spring-Project' owned by 'Evan-Balson'. The repository has 93 issues, 2 pull requests, 1 action, 1 project, 3 security vulnerabilities, and 0 insights. The master branch is selected, showing 7 branches and 0 tags. The commit history lists several commits from 'M12rezaei' and others, including updates to sequence diagrams, persona, documentation, and bug fixes. The repository is public and has 1 watch, 0 forks, and 0 stars. It includes links to Readme, MIT license, activity, and a report repository. The package section shows no packages published, and the contributors section lists 4 contributors.

### Task Board

Link

[Kanban Board · Software Engineering Project](#)

Screenshot

Tasks | Kanban Board | My items | Current iteration | Next iteration | Prioritized backlog | In review | Repository | + New view

Q Filter by keyword or by field | Discard | Save

**In progress** 4

This is actively being worked on

- SDA-Spring-Project #38 Business Concept Model
- SDA-Spring-Project #22 Database
- SDA-Spring-Project #31 Stock Comparison Graphs
- SDA-Spring-Project #30 Graphical Component

+ Add item

**In review** 5

This item is in review

- SDA-Spring-Project #17 Abstract implementation of Architectural components
- SDA-Spring-Project #12 Set Up API For Yahoo Finance and Google Finance
- SDA-Spring-Project #13 Set up Relational Database for the App
- SDA-Spring-Project #25 Notification System
- SDA-Spring-Project #26 Stock Comparison Session

+ Add item

**Done(SPRINT1)** 16

This has been completed

- SDA-Spring-Project #8 Develop Use Case Diagram  
Feb 16, 2025 / Feb 5, 2025
- SDA-Spring-Project #27 Portfolio
- SDA-Spring-Project #18 Personas for the system
- SDA-Spring-Project #10 Set Up GitHub Repository & Project Management  
Jan 29, 2025 / Jan 27, 2025
- SDA-Spring-Project #11 Stock Comparison Session

+ Add item

**Done (SPRINT2)** 5

This has been completed

- SDA-Spring-Project #42 Initial Architecture/Business Interfaces
- SDA-Spring-Project #28 Login/Logout
- SDA-Spring-Project #29 User
- SDA-Spring-Project #40 Business Type Model
- SDA-Spring-Project #37 WireFrames

+ Add item

Software Design & Architecture Project | Increased items preview | Feedback | Add status update | Discard | Save

Tasks | Kanban Board | My items | Current iteration | Next iteration | Prioritized backlog | In review | Repository | + New view

Q Filter by keyword or by field

**Backlog** 2

This item hasn't been started

- SDA-Spring-Project #23 AI Analyser
- SDA-Spring-Project #39 System Interfaces

+ Add item

**Ready** 1

This is ready to be picked up

- SDA-Spring-Project #24 API Service

+ Add item

**In progress** 4

This is actively being worked on

- SDA-Spring-Project #38 Business Concept Model
- SDA-Spring-Project #22 Database
- SDA-Spring-Project #31 Stock Comparison Graphs
- SDA-Spring-Project #30 Graphical Component

+ Add item

**In review** 5

This item is in review

- SDA-Spring-Project #17 Abstract implementation of Architectural components
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- SDA-Spring-Project #13 Set up Relational Database for the App
- SDA-Spring-Project #25 Notification System
- SDA-Spring-Project #26 Stock Comparison Session

+ Add item

Tasks | Kanban Board | My items | Current iteration | Next iteration | Prioritized backlog | In review | Repository | + New view

Q Filter by keyword or by field | Discard | Save

**In progress** 4

This is actively being worked on

- SDA-Spring-Project #38 Business Concept Model
- SDA-Spring-Project #22 Database
- SDA-Spring-Project #31 Stock Comparison Graphs
- SDA-Spring-Project #30 Graphical Component

+ Add item

**In review** 5

This item is in review

- SDA-Spring-Project #17 Abstract implementation of Architectural components
- SDA-Spring-Project #12 Set Up API For Yahoo Finance and Google Finance
- SDA-Spring-Project #13 Set up Relational Database for the App
- SDA-Spring-Project #25 Notification System
- SDA-Spring-Project #26 Stock Comparison Session

+ Add item

**Done(SPRINT1)** 16

This has been completed

- SDA-Spring-Project #8 Develop Use Case Diagram  
Feb 16, 2025 / Feb 5, 2025
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- SDA-Spring-Project #18 Personas for the system
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Jan 29, 2025 / Jan 27, 2025
- SDA-Spring-Project #11 Stock Comparison Session

+ Add item

**Done (SPRINT2)** 5

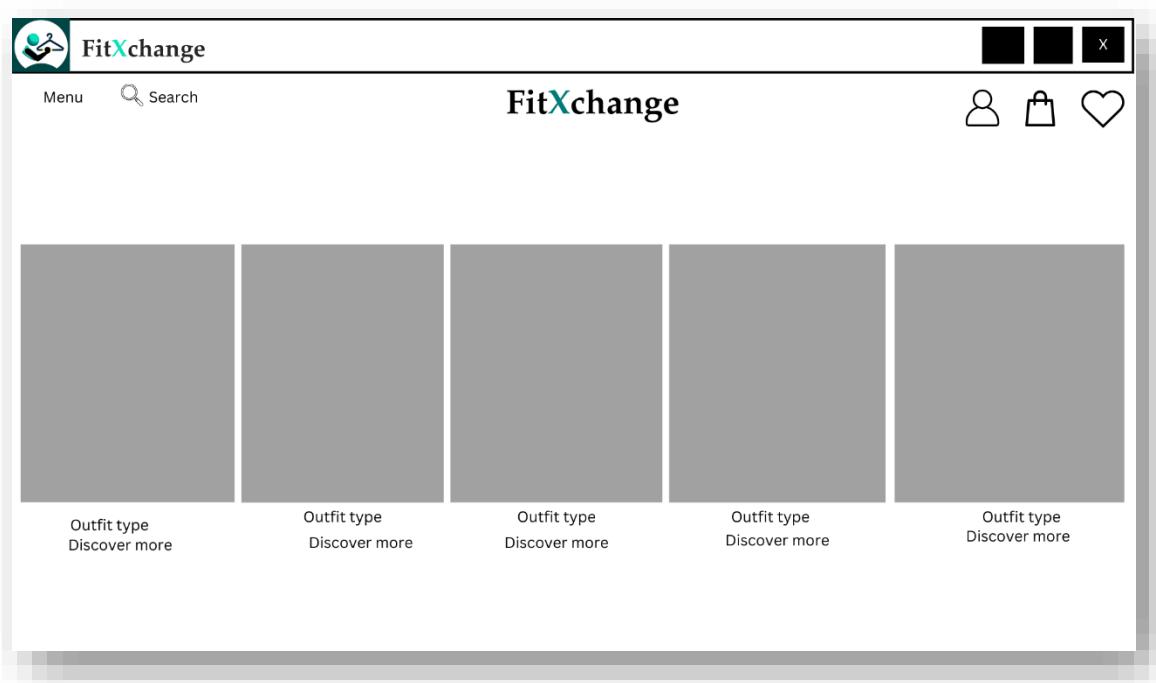
This has been completed

- SDA-Spring-Project #42 Initial Architecture/Business Interfaces
- SDA-Spring-Project #28 Login/Logout
- SDA-Spring-Project #29 User
- SDA-Spring-Project #40 Business Type Model
- SDA-Spring-Project #37 WireFrames

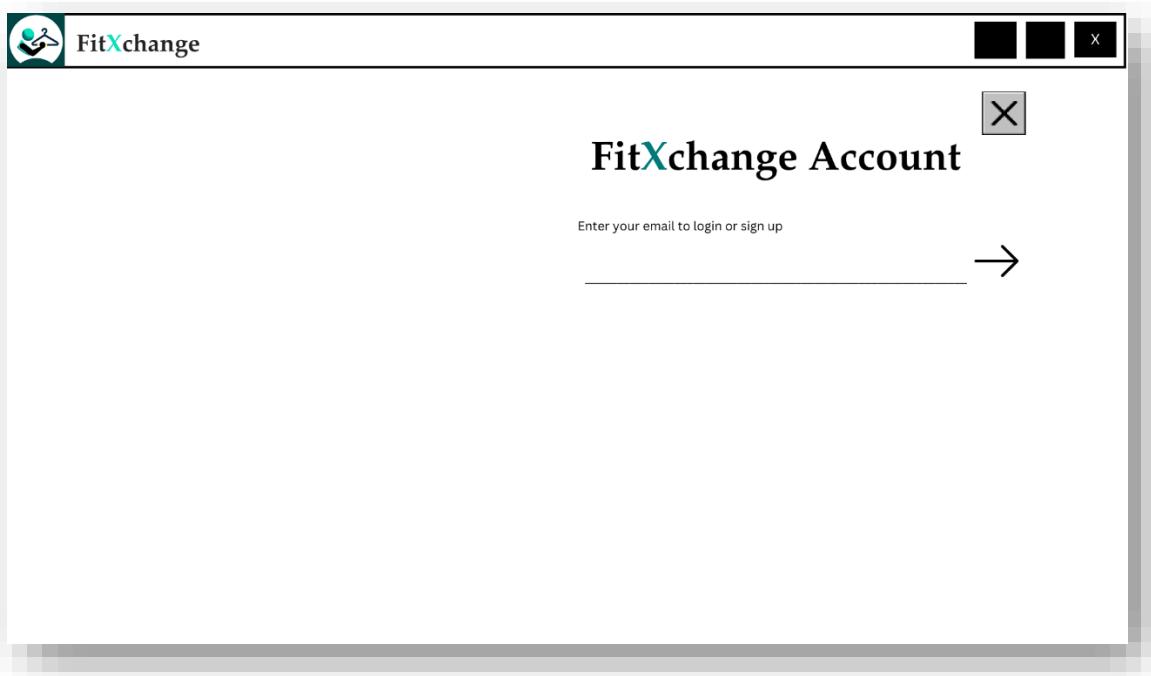
+ Add item

## Detailed Wireframe Views

Landing Page:



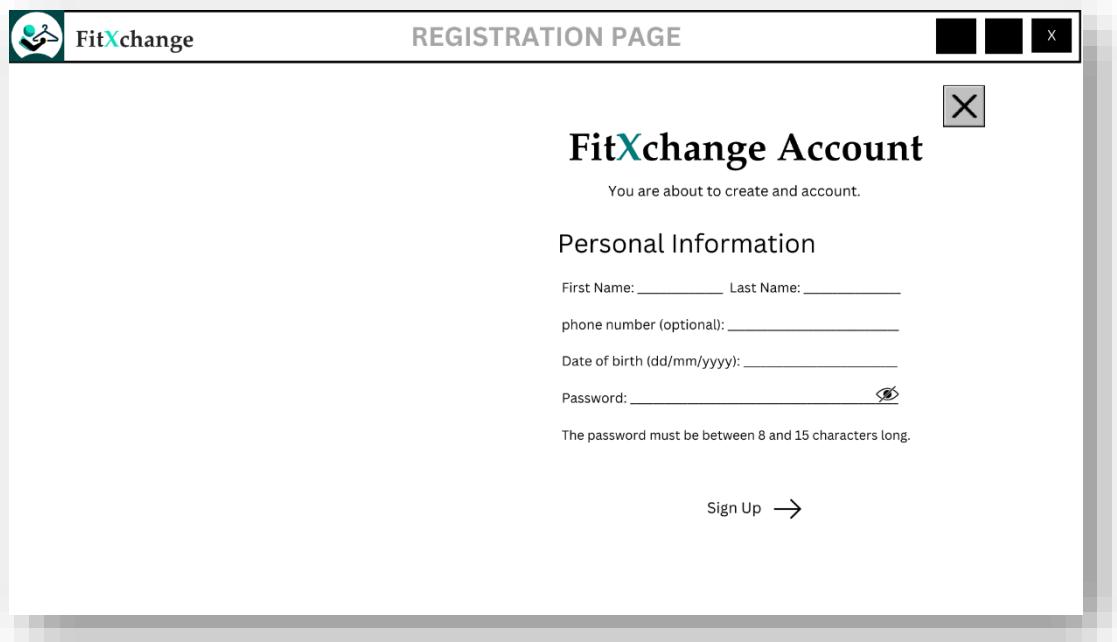
Login Page:



My Account Page:

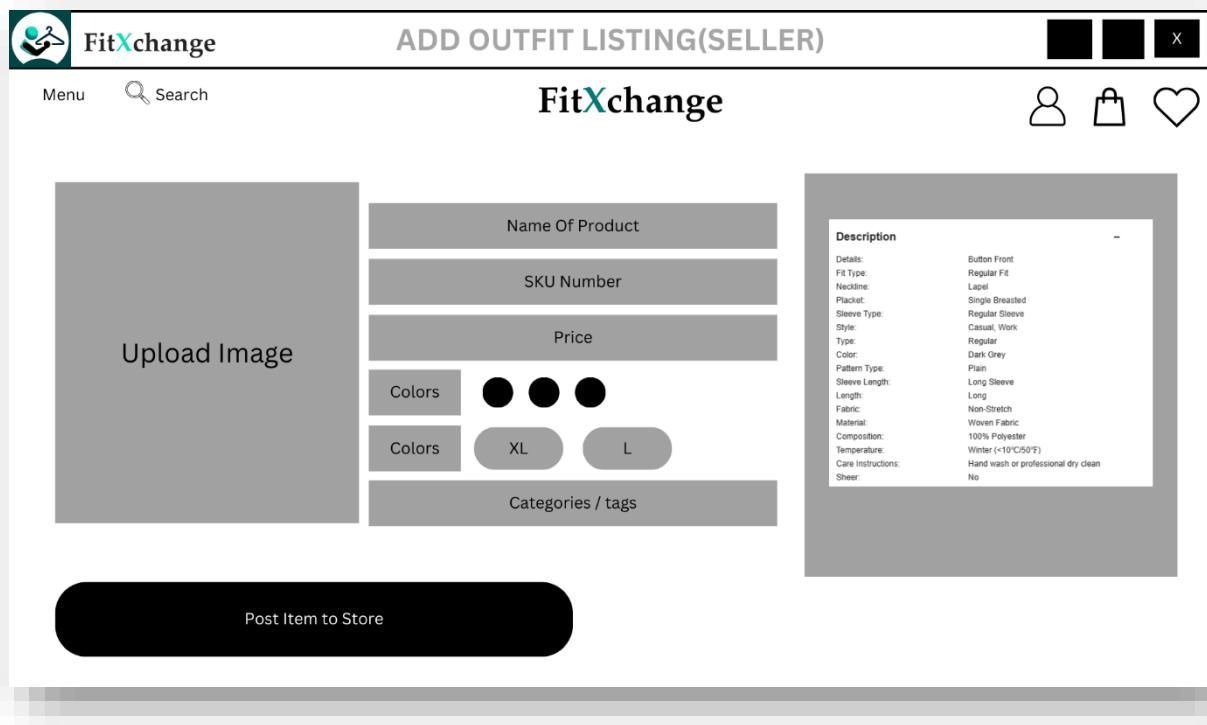
The screenshot shows a web browser window for 'FitXchange' titled 'ACCOUNT VIEW'. At the top left is the FitXchange logo and the word 'FitXchange'. At the top right are three control buttons: a square, a smaller square, and an 'X'. Below the header is a 'User Dashboard' section featuring a large circular profile picture placeholder. To the right of the dashboard are three buttons: 'Profile' (with a user icon), 'Orders' (with a shopping cart icon), and 'Wish List' (with a heart icon). The 'Wish List' button is highlighted with a gray background. Below these buttons is a section titled 'Upcoming Orders' with the message 'You have not placed any outfits yet!'. To the left of the dashboard are three links: 'Manage profile', 'Saved Outfits', and 'Account Setting'. To the right of the dashboard is a 'Wish List' section with the message 'Your Wish List is empty!'. At the bottom center is a link 'Go to your Account'.

Registration Page:

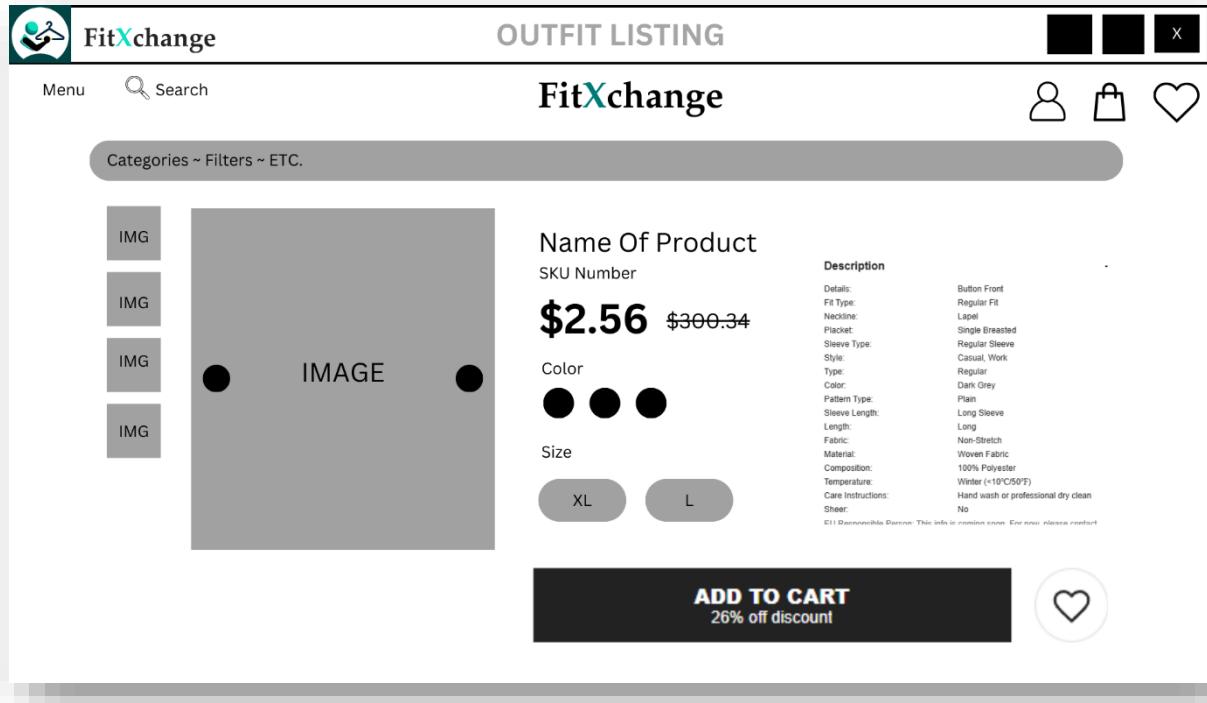


The screenshot shows a registration form for FitXchange. At the top left is the FitXchange logo, which includes a stylized person icon. To the right of the logo is the text "REGISTRATION PAGE". On the far right of the header are three small black squares and an "X" button. Below the header, there is a large "X" button on the left side of the main content area. The main title "FitXchange Account" is centered above a sub-section titled "Personal Information". Below "Personal Information", there are four input fields: "First Name: \_\_\_\_\_" and "Last Name: \_\_\_\_\_", both followed by a horizontal line; "phone number (optional): \_\_\_\_\_", followed by a horizontal line; and "Date of birth (dd/mm/yyyy): \_\_\_\_\_", followed by a horizontal line. Below these fields is a password input field labeled "Password: \_\_\_\_\_" with an eye icon to its right. A note below the password field states: "The password must be between 8 and 15 characters long." At the bottom right of the form is a "Sign Up" button with a right-pointing arrow.

Add Outfit as A Seller:



Customer View: Listing Page:



## My Cart:

**MY CART VIEW**

**FitXchange**

**My Cart**

**Items in Cart**

ORDER PLACED	TOTAL	DISPATCH TO	ORDER #	View order details	Invoice
16 January 2025	£7.99	Evan Balson	203-2311110-8378733		

**Delivered 17 January**  
Parcel was handed to resident.

**Delivered 17 January**  
Parcel was handed to resident.

**Order Totals**  
Items: £7.99  
Postage & Packing: £0.00  
**Order Total: £7.99**  
Order Totals include VAT. See details

**Checkout**

## Checkout View:

**CHECKOUT**

**FitXchange**

shipping address

Payment method

estimated delivery date

**Display Product Info**

SKU Number

**\$2.56** \$300.34

Color

Size

XL L

**Pay Now**

## Outfit Advice Page:

The screenshot shows the 'FIT ADVICE VIEW' section of the FitXchange website. At the top, there are navigation links for 'Menu' and 'Search', and icons for user profile, shopping cart, and a heart. Below the header is a search bar with the placeholder 'FitXchange'. Underneath the search bar are five filter buttons: 'Preferences', 'Occasion', 'Style', 'Size', and 'colors', followed by a 'GO' button.

The main content area features a large image of a recommended outfit consisting of a light-colored top and pants. To the right of this image is a grid of smaller items labeled 'For Interviews I recommend...'. The grid includes categories like 'Fashion Advice', 'Facet Threads', and 'Stylings'. Below the outfit image is a caption: 'Displays a Top, Bottom, HAT, Shoes and Jacket options'.

To the right of the outfit image is a 'Reasoning' section with a heading 'Here is why you should wear similar items' and a 'Reasoning' icon. At the bottom right of the page is an 'ADD TO CART' button with a '26% off discount' offer.

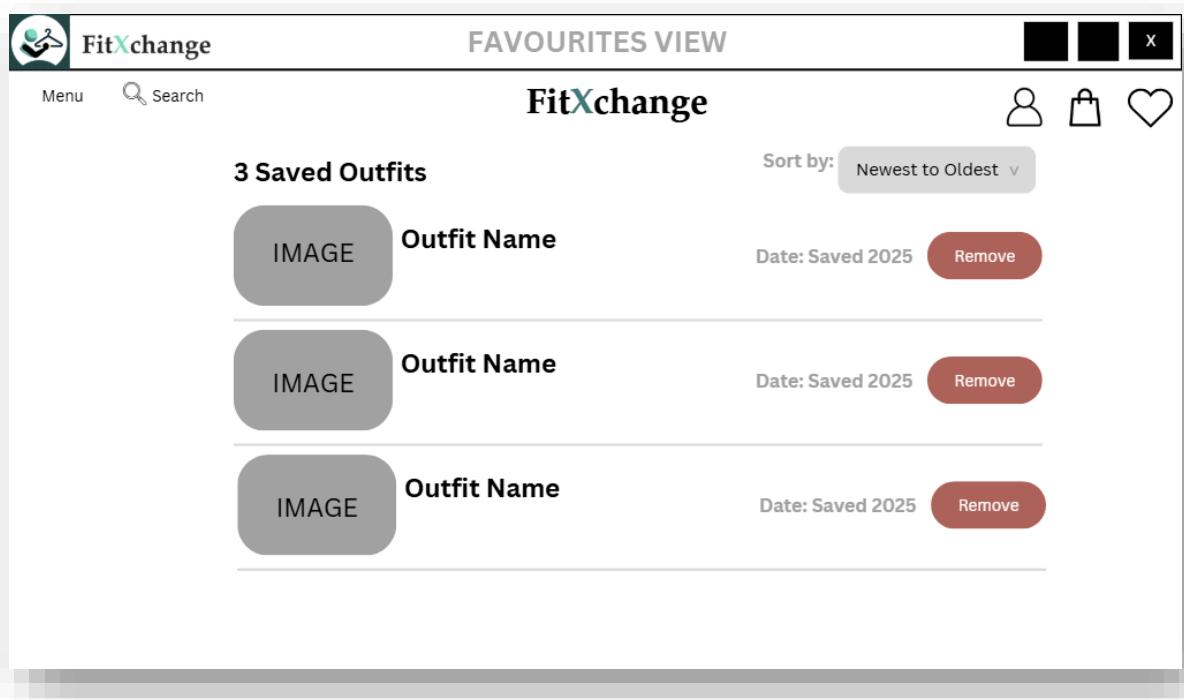
## Order History View:

The screenshot shows the 'ORDER HISTORY VIEW' section of the FitXchange website. At the top, there are navigation links for 'Menu' and 'Search', and icons for user profile, shopping cart, and a heart. Below the header is a search bar with the placeholder 'FitXchange'.

The main content area is titled 'Your Order History'. It includes a 'Sort by:' dropdown set to 'Past three months', a 'Search all orders' input field, and a 'Search Orders' button.

The order history is presented in a list format with three items. Each item has a 'IMAGE' placeholder and an 'Outfit Name' section. The first item's details are: Description: what is this item, Date ordered: n/u/l, Dispatch To: User Address, Penalty: £5.00. The second and third items have identical details: Description: what is this item, Date ordered: n/u/l, Dispatch To: User Address, Penalty: £5.00.

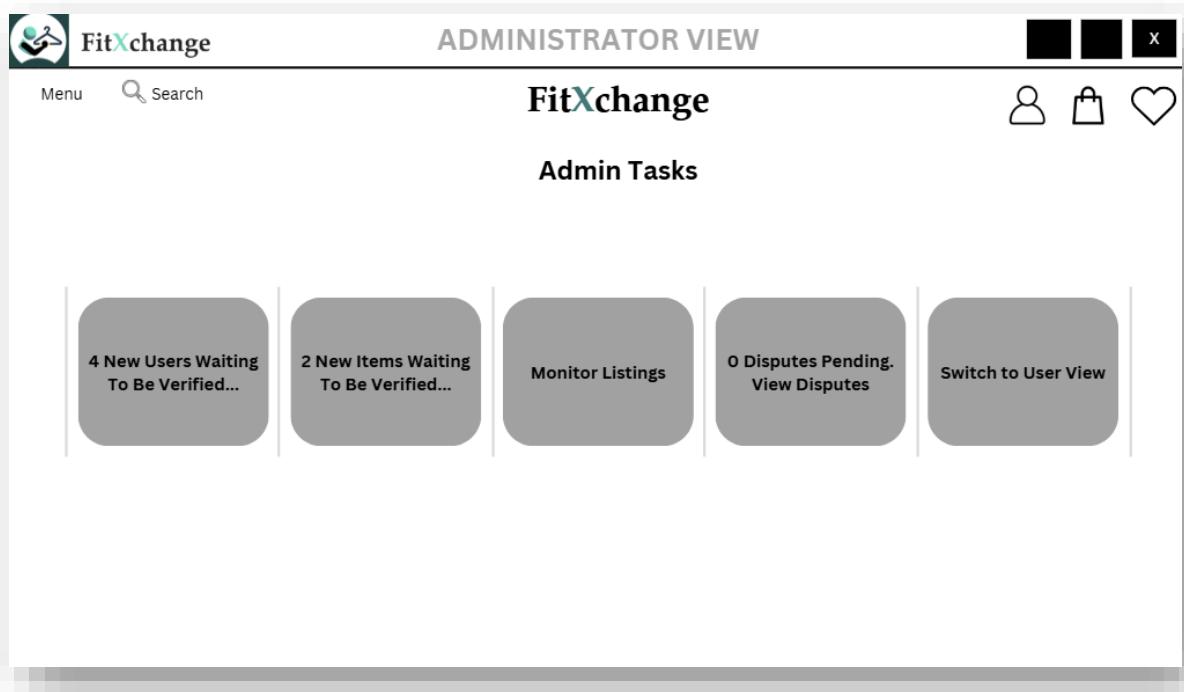
Favorites View:



The screenshot shows the 'FAVOURITES VIEW' section of the FitXchange app. At the top, there is a header with the FitXchange logo, a search bar, and user icons for profile, shopping bag, and heart. Below the header, the title 'FitXchange' is displayed. A sub-header indicates '3 Saved Outfits'. On the right, there is a 'Sort by:' dropdown set to 'Newest to Oldest'. The main content area lists three saved outfits, each represented by a gray rounded rectangle containing an 'IMAGE' placeholder and an 'Outfit Name' label. To the right of each outfit name is a date stamp 'Date: Saved 2025' and a red 'Remove' button.

Administrator

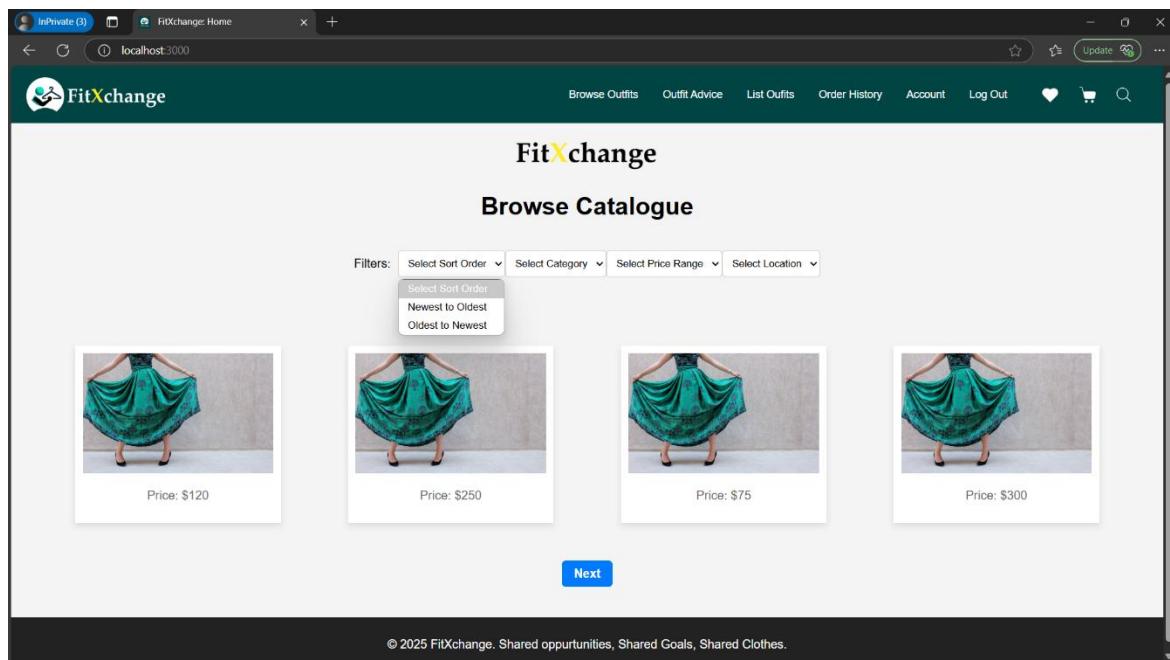
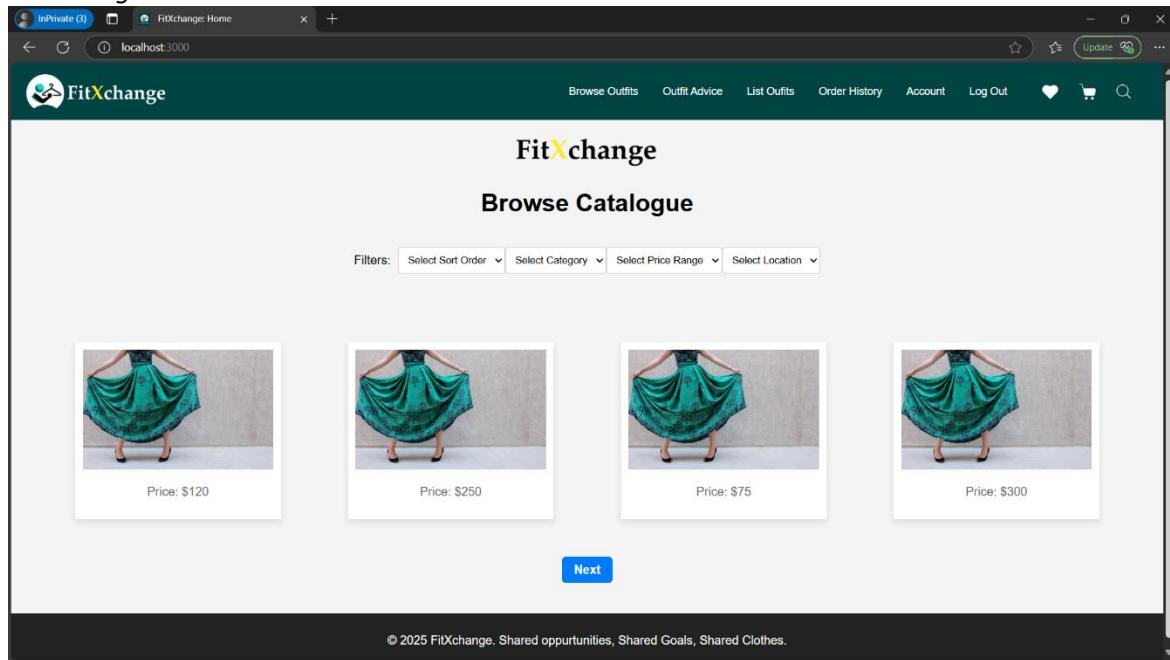
View:



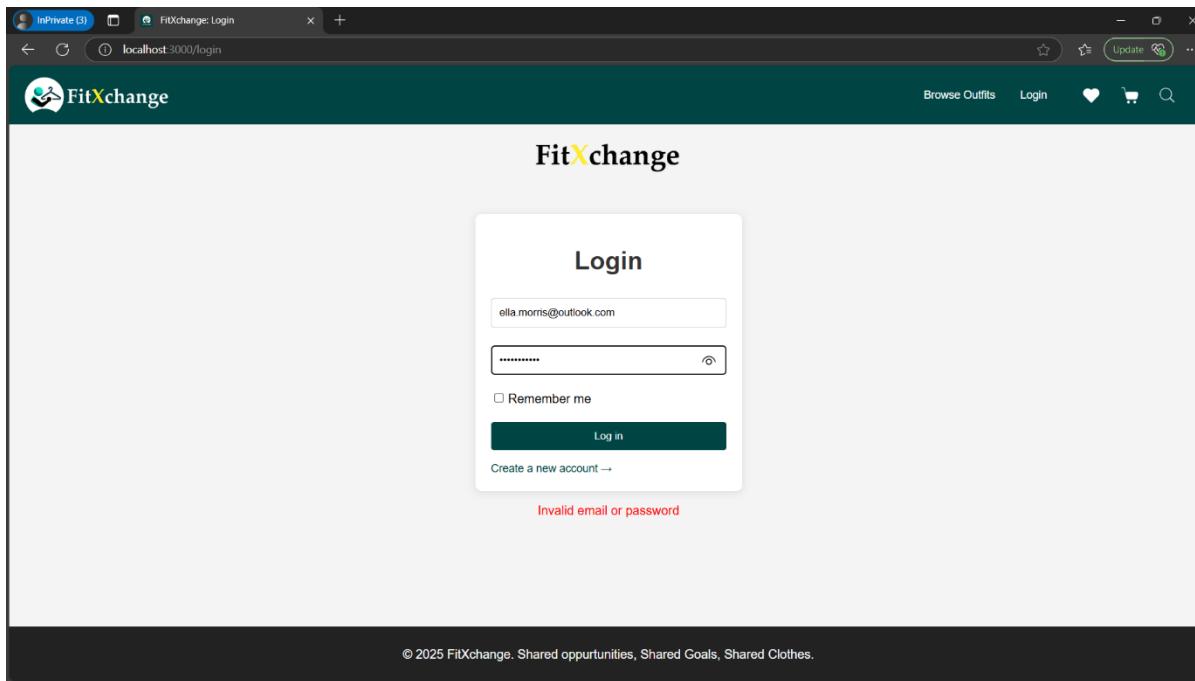
The screenshot shows the 'ADMINISTRATOR VIEW' section of the FitXchange app. At the top, there is a header with the FitXchange logo, a search bar, and user icons for profile, shopping bag, and heart. Below the header, the title 'FitXchange' is displayed. A sub-header indicates 'Admin Tasks'. The main content area features five rectangular cards with rounded corners, each representing a task: '4 New Users Waiting To Be Verified...', '2 New Items Waiting To Be Verified...', 'Monitor Listings', '0 Disputes Pending. View Disputes', and 'Switch to User View'. Each card has a light gray background and a dark gray border.

## Implemented Wireframes

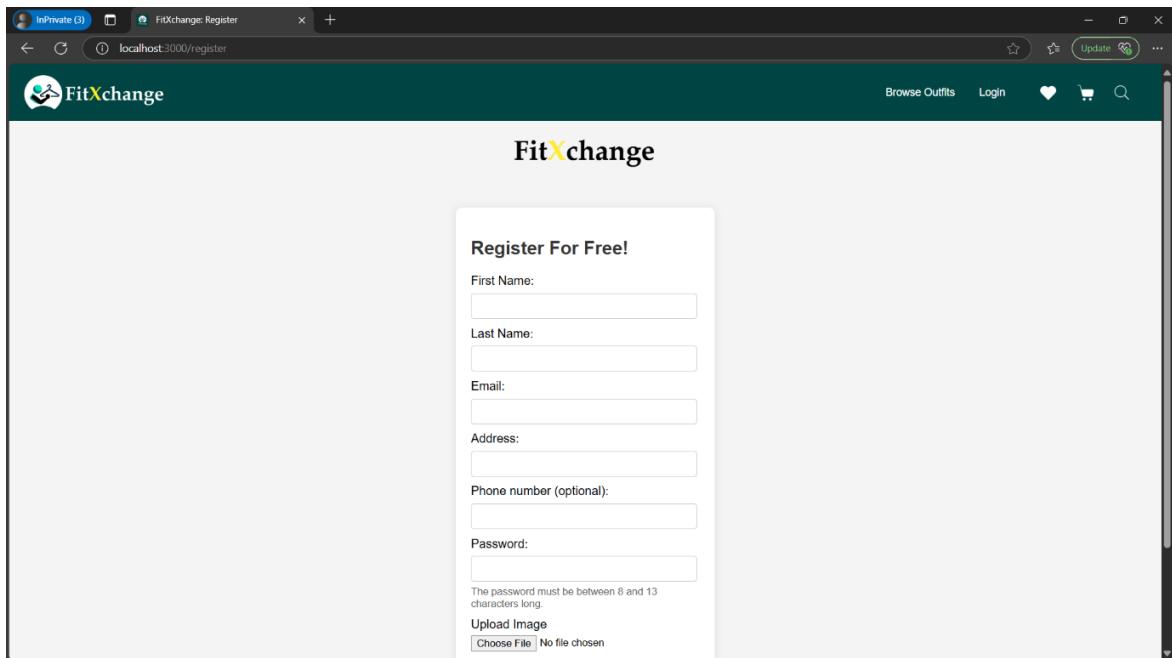
### Home Page View



## Login/Sign up View



## Create Account View



## User Dashboard View

The screenshot shows the FitXchange user dashboard. At the top right, there is a circular profile picture of a woman wearing a hijab with the greeting "Hi". The dashboard is divided into three main sections: "Profile", "Orders", and "Wish List".

- Profile:** Contains fields for First Name, Last Name, and Email, each with an input placeholder. Below these is a "Update Personal Details" button.
- Orders:** Displays a table with columns "Order ID", "Date", and "Status". It contains two entries: "001" dated "10/10/2023" with status "Shipped", and "002" dated "12/10/2023" with status "Pending".
- Wish List:** Shows a table with columns "Item Name", "Price", and "Action". It lists a single item: "Stylish Hat" at "\$25" with a "Remove" link.

At the bottom of the dashboard, a footer bar displays the copyright notice: "© 2025 FitXchange. Shared opportunities, Shared Goals, Shared Clothes."

## Outfit Listing View

The screenshot shows a detailed outfit listing for a "Suit" (ID: I002). The page includes a large image of a person wearing the outfit, three smaller thumbnail images, and a detailed product description.

**Suit**  
I002  
\$250  
Front pocket  
Size: 12  
Color: Beige  
Condition Level: 10  
Availability: Out of Stock  
Quantity Available: 0

[Add to Cart](#)

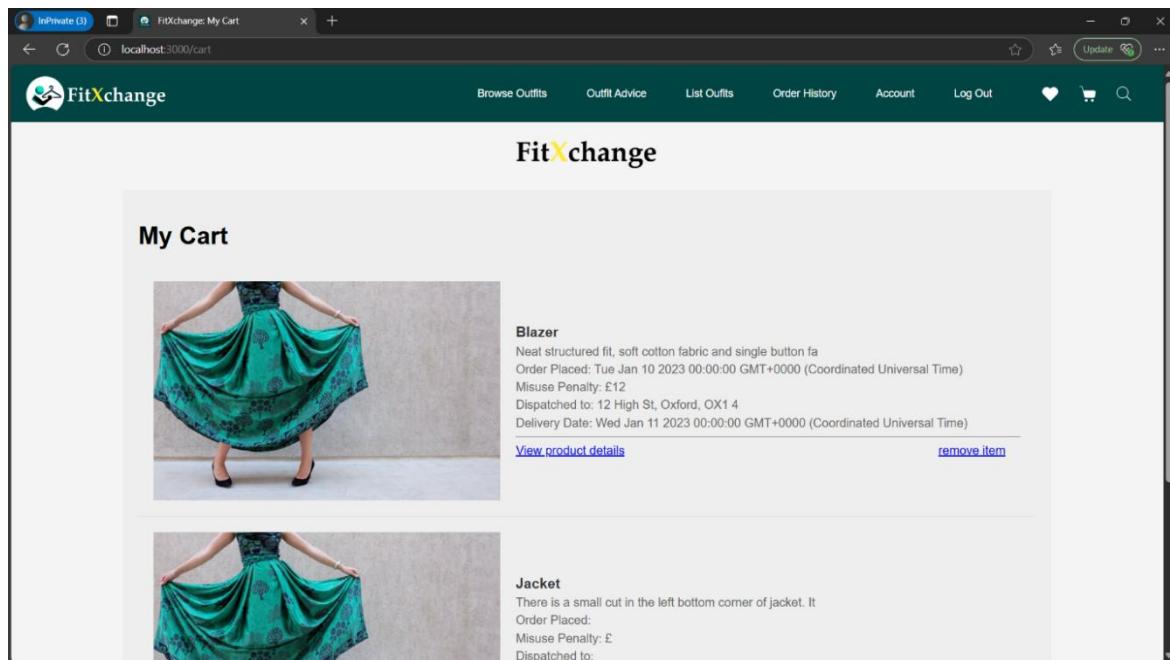
At the bottom of the page, a footer bar displays the copyright notice: "© 2025 FitXchange. Shared opportunities, Shared Goals, Shared Clothes."

## Add Outfit Listing (Lender) View

The screenshot shows a Microsoft Edge browser window with three tabs open. The active tab is titled 'FitXchange: New Listing' and has the URL 'localhost:3000/new-listing'. The page header features the FitXchange logo and navigation links: 'Browse Outfits', 'Outfit Advice', 'List Outfits', 'Order History', 'Account', 'Log Out', and icons for 'Heart', 'Cart', and 'Search'. Below the header is a large white form box with a title 'Add New Listing'. The form fields include:

- Name of Product: A text input field.
- SKU Number: A text input field.
- Price: A text input field.
- Size: A dropdown menu with 'None' selected.
- Categories / Tags: A text input field with placeholder 'Enter categories separated by a comma'.
- Upload Image: A file input field showing 'Choose File | No file chosen'.
- Name of Product: A text input field.

## My Cart View



## Checkout View

The screenshot shows the FitXchange Checkout page. At the top, there's a navigation bar with links for 'Browse Outfits', 'Outfit Advice', 'List Outfits', 'Order History', 'Account', and 'Log Out'. Below the navigation is the FitXchange logo. The main content area is titled 'My Checkout' and displays two items:

- Casual Tee**  
Description: A comfortable casual wear  
Quantity: 1  
Misuse Penalty: £10.00  
Order Date: 2023-09-01  
Delivery Date: 2023-09-05  
Dispatch To: User Address
- Summer Dress**  
Description: Perfect for summer outings  
Quantity: 1  
Misuse Penalty: £15.00  
Order Date: 2023-09-02  
Delivery Date: 2023-09-06  
Dispatch To: User Address

At the bottom of the page, there's a note: "By clicking \*Agree and Collect\*, you accept the terms and potential penalties associated with the items." followed by a blue 'Agree and Collect' button. The footer contains the copyright information: "© 2025 FitXchange. Shared opportunities, Shared Goals, Shared Clothes."

## Order History View

The screenshot shows the FitXchange Order History page. At the top, there's a navigation bar with links for 'Browse Outfits', 'Outfit Advice', 'List Outfits', 'Order History', 'Account', and 'Log Out'. Below the navigation is the FitXchange logo. The main content area is titled 'Your Order History' and displays two past orders:

- Casual Tee**  
Description: Comfortable and stylish  
Date Ordered: 2023-09-01  
Dispatch To: User Address  
Penalty: £5.00
- Summer Dress**  
Description: Perfect for summer outings  
Date Ordered: 2023-09-02  
Dispatch To: User Address  
Penalty: £10.00

## Favorites View

The screenshot shows a web browser window for FitXchange. The title bar says "FitXchange: Favorites" and the address bar shows "localhost:3000/favourites". The page header includes the FitXchange logo, navigation links for "Browse Outfits", "Outfit Advice", "List Outfits", "Order History", "Account", "Log Out", and icons for a heart, shopping cart, and search. The main content area displays the heading "FitXchange" and "You have 2 Saved Outfits". A dropdown menu "Sort by:" is set to "Newest to Oldest". Two outfit items are listed: a "Jacket" with a small cut in the left bottom corner and a "Coat" with graphic design and side welt pockets. Each item has a "Remove" button. At the bottom, a copyright notice reads "© 2025 FitXchange. Shared opportunities, Shared Goals, Shared Clothes."

## Administrator View

The screenshot shows a web browser window for FitXchange with the URL "localhost:3000/admin". The title bar includes various browser extensions like MSC, SE, SAD, Random, PM, INS, 99, 73S, Gmail, YouTube, Translate, My Modules, Holy Quran, and Life On Super 8 - Ph... The address bar shows "localhost:3000/admin". The page header is identical to the Favorites view. The main content area displays the heading "FitXchange" and "Admin Tasks". Five cards represent different administrative functions: "4 New Users Waiting To Be Verified...", "2 New Items Waiting To Be Inspected...", "Monitor Listings", "0 Disputes Pending. View Disputes", and "Switch to User View". At the bottom, a copyright notice reads "© 2025 FitXchange. Shared opportunities, Shared Goals, Shared Clothes."

## Mobile Responsive views:

**FitXchange - My Cart**

**Profile**

**Orders**

Order ID	Date	Status
001	10/10/2023	Shipped

**FitXchange - Saved Outfits**

You have 2 Saved Outfits

**Admin Tasks**

- 4 New Users Waiting To Be Verified...
- 2 New Items Waiting To Be Inspected...
- Monitor Listings
- 0 Disputes Pending. View Disputes
- Switch to User View

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