

THAPAR OLX

Lab Project submission submitted for
Software Engineering (UCS503)

submitted by

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3 COE 27

Group No. 2

submitted to

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Software Bid/ Project Teams

UCS 503- Software Engineering Lab

Group: 3COE27

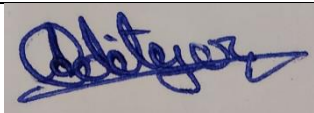
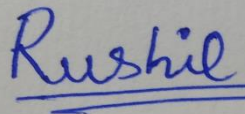
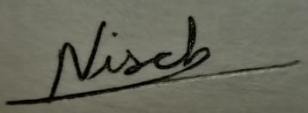
Dated: 29 August,2023

Team Name:

Team ID (will be assigned by Instructor):

Please enter the names of your Preferred Team Members:

- You are required to form **a three to four person teams'**
- Choose your team members wisely. You will not be allowed to change teams.

Name	Roll No	Project Experience	Programming Language used	Signature
Aditya Tomar	102103749	Banking management system, Spotify clone.	Html, CSS, SQL, JavaScript.	
Rushil Agarwal	102103757	Banking management system, Netflix clone.	ReactJS, SQL, html, CSS.	
Nischay Morya	102103763	Banking Management System, Expenses Management App.	Flutter, dart, firebase, SQL, html, CSS.	

Programming Language / Environment Experience

List the languages you are most comfortable developing in, **as a team**, in your order of preference. Many of the projects involve Java or C/C++ programming.

1. JavaScript (ReactJS)
2. html
3. CSS

Choices of Projects:

Please select **4 projects** your team would like to work on, by order of preference: *[Write at-least one paragraph for each choice (motivation, reason for choice, feasibility analysis, etc.)]*

First Choice	Blogging website	Creating dedicated online platform that serves as a blogging and content-sharing hub specifically designed for TIET and its community members. This platform enables students, faculty, alumni, and other stakeholders to publish, share, and interact with various types of content, fostering engagement and knowledge sharing within the TIET community.

Second Choice	Lost and found website	Creating a user-friendly website for submitting information about any lost item, either by a person or any unclaimed item found and an auto-updated database that maintains information about it.
Third Choice	Thapar-OLX website	Intra college online marketplace website to facilitate buying, selling and renting of goods. Lab coats, lab files and other materials used in a course by the seniors can be sold to newcomers. Hostellers can buy second hand assets to use for 3-4 months instead of buying those goods at a higher rate.
Fourth Choice	Appointment booking system	Website designed to streamline the process of scheduling appointments and managing bookings between service providers and clients. This system offers convenience and efficiency by eliminating the need for manual appointment scheduling and reducing the chances of errors

Additional Remarks/ Inputs:

Please tell us about any other factors that we should take into consideration (e.g., if you really would like to work on a project for some particularly convincing reason).

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Feasibility Report

Technical Feasibility

- Technical Expertise: Our team possesses the necessary technical expertise in web development, and database management.
- Technology Stack: We plan to use industry-standard web development technologies such as HTML, CSS, JavaScript, and a backend framework.
- Infrastructure: We will need dedicated servers or cloud hosting to handle system scalability and performance requirements.
- Data Privacy and Security: Address data privacy and security concerns, including compliance with relevant regulations like GDPR or HIPAA

Operational Feasibility

- User Acceptance: A survey of students studying psychology in the Thapar school of liberal sciences.
- Consultants Support: Coordination with consultants and securing necessary advice to cope up with the user interests and deal with issues like problem solving, decision making or learning.
- Resource Availability: Necessary resources, including personnel and technology, are available or can be acquired within the project timeline.

Economic Feasibility

- Cost Estimation: The initial development costs, including software development, server infrastructure, infrastructure expense, are within our budget.
- Revenue Model: The revenue will primarily come from per-hour rentals and potentially from future mobile app advertisements and partnerships with local businesses.
- ROI Analysis: A conservative ROI analysis indicates that the project can achieve profitability within the 4 months of operation.

Scheduling Feasibility

- Project Timeline: The project timeline is reasonable, with development, testing, and deployment expected to take approximately 2-3 months for the website and require 9-12 months for full implementation.
- Resource Allocation: Resources, including human resources and technology infrastructure, can be allocated according to the project timeline.

Legal Feasibility:

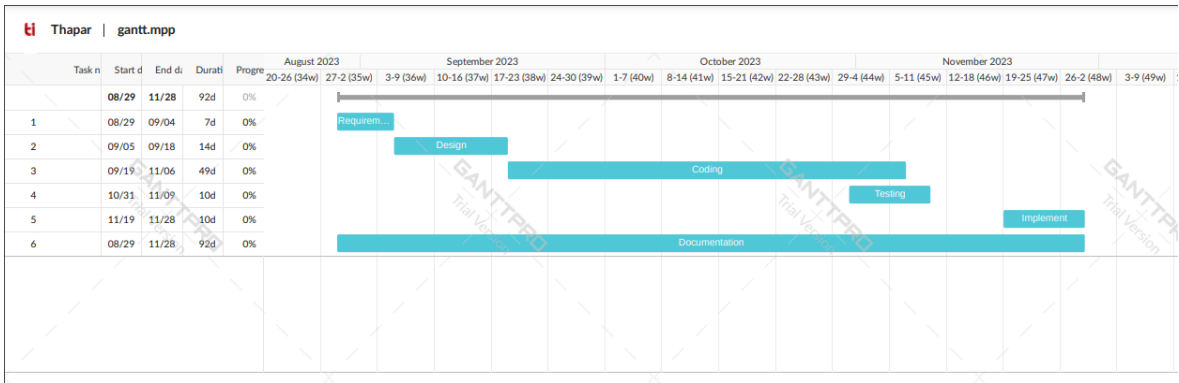
- Regulatory Compliance: The project will adhere to all relevant data protection

regulations (e.g., GDPR)

Cultural Feasibility:

- Diverse Cultural Data: Collecting a wide range of cultural data to avoid biases and stereotypes.
- User Preferences: Allowing users to self-identify their cultural backgrounds and preferences to ensure personalized
- Ethical Guidelines: Adhering to ethical guidelines and involving cultural experts in the development process to avoid cultural insensitivity.

Gantt Chart



ABSTRACT

An intra-college marketplace website to facilitate buying, selling and renting of goods. Goods like Lab coats, lab files and other materials already used in a course by the seniors can be sold to newcomers. Freshers can buy second hand assets to use for 3-4 months instead of buying those goods at a higher rate and then continue to pass them down to their juniors/ colleagues. This marketplace provides an invaluable solution to the common challenges faced by both newcomers and seniors. By offering a platform to trade, the site not only supports the academic journey but also promotes sustainability by extending the life cycle of essential items. This also allows students to not only trade in academic goods but other assets according to their requirements reducing the need to buy new every time.

This streamlined approach fosters a sense of financial prudence, community engagement, and environmental consciousness among students, aligning with the evolving trends of collaborative consumption and responsible consumerism.

FUNCTIONAL REQUIREMENTS

The product must have the following set of features:

1. The system would allow the users to create a profile and log in/out of it at any point of time with authentication.
2. Users would be able to create a listing of products they wish to sell or rent.
3. They would be able to provide details such as images, description, price, etc. for each listing.
4. Interested buyers would be able to contact and communicate with the respective sellers.
5. Users would be able to view a comprehensive marketplace for all the listings where they can search for a specific product.
6. Sellers would be able to mark their listing as 'sold' to remove it from the marketplace.

NON-FUNCTIONAL REQUIREMENTS

1. The website would load within 5 seconds.
2. Handle about 500 concurrent users at once.
3. A user-friendly interface.
4. The website would work on various browser and device configurations.
5. Real time marketplace update.

1. Introduction

1.1 Purpose of this Document

The purpose of this SRS document is to provide a detailed overview of our software product, its parameters and goals. This document describes the project's target audience and its user interface, hardware and software requirements. It defines how our client, team and audience see the product and its functionality.

1.2 Scope of the development project

The goal is to design a website which will act as a platform for buying, selling and renting goods within the college community. In this system a user will upload items for the purpose of renting or selling them. On the other end another user can buy or rent the desired product by choosing among the uploaded ones.

The software must be able to perform the following operations:

1. **Login/signup credentials:** Users will be able to create their profile by entering the essential credentials and use the platform.
2. **Updating/editing the user profile:** Users will be able to update or edit their user profile details when required.
3. **Uploading and providing the features of the product:** After creating the user profile, the user who has to sell or rent the products, must upload the relevant details (in the provided form) along with the product.
4. **End to end chat feature:** This feature allows the users to interact with each other. So, owners and buyers can communicate freely while maintaining their privacy.

The scope of this system is not just limited to the university campus only as the same mechanism can be reused in other campuses as well. The users can only be the members of the institute which authenticates their identity. Therefore, this software provides a platform which connects different people having similar needs so that their needs are fulfilled effectively and resources are not wasted.

1.3 Definitions, Abbreviations and Acronyms

Table 1 gives all the definitions, abbreviations and acronyms used in our project.

Table 1: Definitions, Abbreviations and Acronyms

S. No.	Term	Definition
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1.	E commerce	Ecommerce or electronic commerce is the trading of goods and services on the internet.
3.	Back-end system	Software which supports back-office applications like sales, inventory, pay role and ordering
4.	Shopping cart	A software that allows customers to tag items they intent to purchase for easy retrieval during checkout.
6.	Product text	Texts that describe a product, such as product descriptions in e-commerce stores or product reviews on funnel sites.

1.4 References

•Definition link (back-end system, shopping cart, product text):
<https://contentor.com/blogg/e-commerce-glossary/>

•Definition link (e-commerce):
<https://sell.amazon.com/learn/whatisecommerce#:~:text=Ecommerce%20or%20electr,onic%20commerce%20is,ones%20on%20the%20internet%20superhighway>

2. OVERALL DESCRIPTION

2.1 Product Perspective

Thapar-OLX is a website-based platform designed specifically for college students to buy, sell, and rent goods without hassle and in an effective manner. On this platform, the user will have to login/sign up as a buyer or seller or even both. Once logged in, the buyer will be displayed all the available products from different students and each product will have all the necessary and detailed information including photos. For example, if a student needs a mattress during hostel transition period and the one who wants to resell or rent his/her mattress. The “CHAT” option on the website will help them to contact each other and all the communication will be between the buyer and seller end-to-end and they can exchange the products accordingly. Therefore, this web development project is an efficient way to sustain more resources and also providing a platform for trading goods with ease.

2.2 Product Functions

The software should be able to perform the following operations:

1. It should allow the users to interact with each other so owners and buyers can communicate freely while maintaining their privacy.
2. It should allow the sellers to provide all the necessary details including the photographs from various angles and dimensions. They can specify whether they wish to sell or rent the product and if rent, they can declare their proposition in price per time interval format.
3. It should display the different advertisements posted to the users so that they can browse through them and view the product they are interested in. They then can chat with the owner.

4. Users will get the option to wish list a product if they want to buy it later.
5. Users will also be notified if a product they wish listed gets out of stock and whether a similar product is available. If not, then once it gets back in stock, users will be notified via their registered email.
6. Once the buyer has received the product, he/she will be asked to fill the complete review form which includes the overall transaction feedback with the seller and also the overall experience of purchasing the product on our platform.
7. The system provides the user with the option to view or make changes to their personal information like name, password, etc.

2.3 User classes and Characteristics

This website is designed for all college students looking to trade goods. Therefore, only two types of users will use this website which are:

1. Admin
2. Students of the college

All the students of the college have equal access to all the functions of the website. Admin can perform the takedown function i.e., take down any unsuitable advertisements. Thus, while designing the software one can assume that each user type has the following characteristics:

- The users should be computer-literate and should know how to effectively navigate the website.
- The users need not know the internal working of the website.
- No training period is required.

2.4 Operating Environment

The website will work efficiently in both Windows and Linux operating systems. The client-side components of the software system must operate within common web browser environments. The minimum set of browsers that must be supported is:

- Apple Safari
- Google Chrome
- Microsoft Internet Explorer
- Mozilla Firefox

2.5 General Constraints, Assumptions, and Dependencies

1. The product must have a user-friendly interface that is simple enough for all types of users to understand.

2. Response time for loading the web pages should be no longer than five seconds.
3. A general knowledge of basic computer skills is required to use the product.
4. There are memory requirements as well.
5. The central database server and backup database servers should be updated regularly. This updating and replication of data from the central database server to the backup database server can introduce additional latency in the working of the system.
6. All administrative services must be available over a RESTful API.

3. Specific requirements

This section of the SRS describes the general requirements that drive the design of the software system. The goal is not to state specific requirements, but rather to provide context to make those requirements easier to understand.

3.1 Graphical interface requirements

- Front-end software: React.js
- Back-end software: SQL+
- The system shall provide a uniform look and feel between all the web pages.
- The system shall provide a digital image for each product in the product catalogue.
- The system shall provide the use of icons and toolbars.

3.2 Detailed description of functional requirements

Table 3 shows a template that we will be using to describe functional requirements for two types of users: a seller and a buyer. One can easily deduce the functional requirements for other user types with this template.

Table 2: Template for describing functional requirements

Purpose	A description of the functional requirements and its reasons
Inputs	What are the inputs; in what form will they arrive; from what sources can the inputs come; what are the legal domains of each input.
Processing	Describes the outcome rather than the implementation; includes any validity checks on the data, exact timing of operation (if needed), how to handle unexpected or abnormal situations
Outputs	The form, shape, destination, and volume of output; output timing; range of parameters in the output; unit of measure of the output; process by which output is stored or destroyed; process for handling error message produced as output.

3.2.1 Functional requirements for user login/signup screen

Table 3 gives the functional requirements for user login/signup screen.

Table 3: Functional requirements for user login/signup screen

Purpose	This web page asks the user to login/signup as per the requirement to continue the use of the website.
Inputs	When user selects the login option, the web page will display the form and ask the user to fill their required credentials according to their account. When user selects the signup option, the web page will display the form and ask the user to fill the required credentials.
Processing	Includes storing of data in the backend, validity checks on the data like password entered.
Outputs	The user account will be saved/activated on the website (until logged out) and the next window is displayed that asks the user to choose between the options of selling/renting and buying

3.2.2 Functional requirements for seller screen

Table 4 gives the functional requirements for seller screen.

Table 4: Functional requirements for seller screen

Purpose	This screen will ask the seller if they want to upload the item to sell or rent.
Inputs	If the user selects the sell option, they will have to fill the form which includes uploading the picture of the item and description of the item. If the user selects the rent option, they will have to fill the form which includes uploading the picture of the item, the description, and the rent period.
Processing	Validates the description provided and picture uploaded. Outputs The item will be uploaded on the website for selling or renting as chosen.
Outputs	The item will be uploaded on the website for selling or renting as chosen.

3.2.3 Functional requirements for buyer screen

Table 5 gives the functional requirements for buyer screen.

Table 5: Functional requirements for buyer screen

Purpose	This screen shows the items available for rent or purchase and provides the option to search the product.
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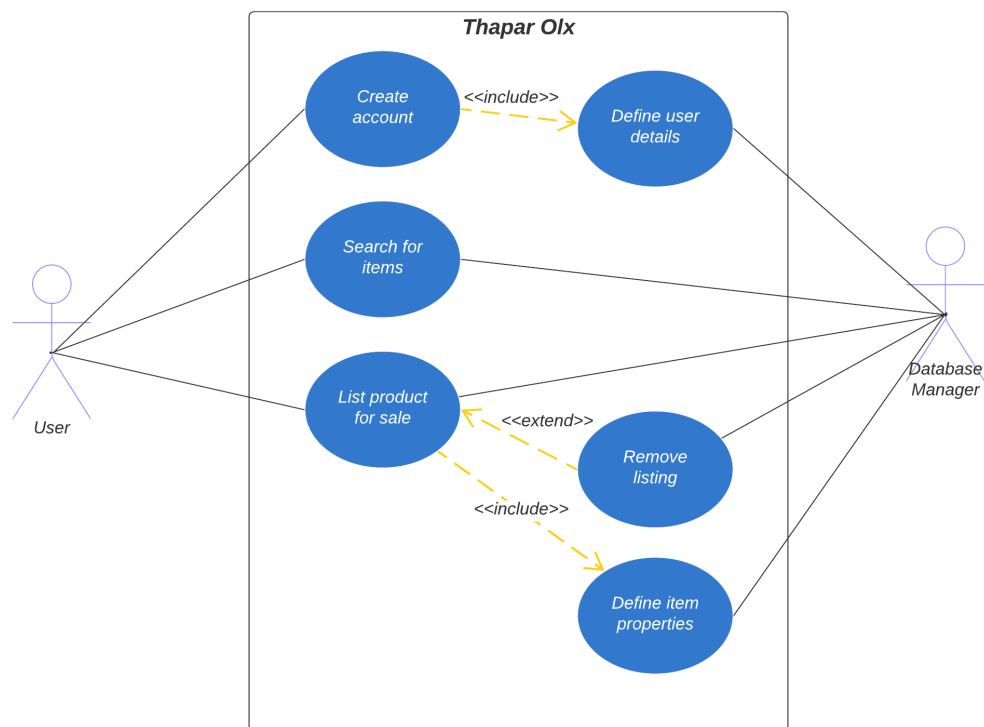
Inputs	The buyer selects the item that they need to purchase or rent and adds it to the shopping cart or to their wish list.
Processing	Product text and availability of the selected items will be displayed.
Outputs	A chat window is opened for an end-to-end conversation between the users.

3.3.1 Any device connected to internet can access the website.

3.3.2 User and product information will be handled efficiently by the website

4. Analysis Models

Use Case Diagram



Use Case Templates

Use Case Template 01

1. Use Case Title	User Login/Signup
2. Abbreviated Title	Login
3. Use Case ID	1
4. Actors	Member
5. Description:	This web page asks the user to login/signup as per the requirement to continue the use of the website.
5.1. Pre-Conditions:	User must be signed up and verified.
5.2. Task Sequence:	<ul style="list-style-type: none">User fills the credentials for login if they have an already existing account or signup if they want to be a new member.Click login/signup
5.3. Post Conditions:	The user's account will be opened and they may continue using the website.
6. Modification History:	Date 16-September-2023
7. Author:	Aditya, Rushil, Nischay.

Use Case Template 02

1. Use Case Title	Sell Item
2. Abbreviated Title	Sell Item
3. Use Case ID	2
4. Actors	Member
5. Description:	With upload criteria user can upload description and pictures of the item they want to sell.
5.1. Pre-Conditions:	User must be logged in to the software.
5.2. Task Sequence:	<ul style="list-style-type: none">Upload item screen shown by system.Select the item and provide description.Click on the upload button, item will be uploaded.
5.3. Post Conditions:	Items will be uploaded.
6. Modification History:	Date 16-September-2023
7. Author:	Aditya, Rushil, Nischay.

Use Case Template 03

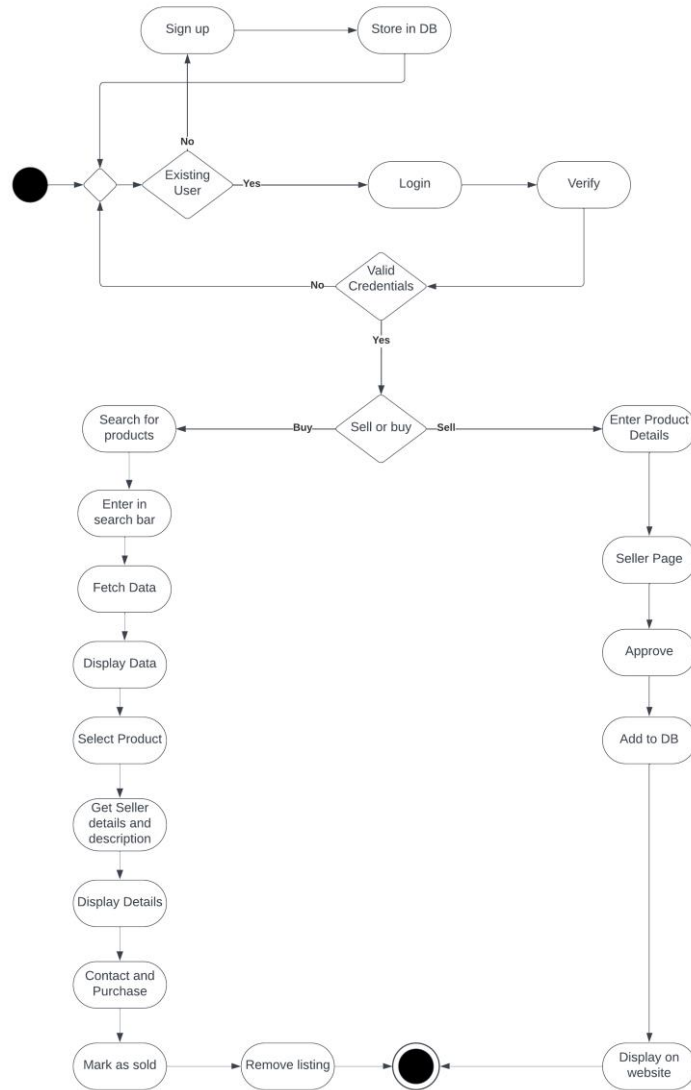
1. Use Case Title	Buy item
2. Abbreviated Title	Buy item
3. Use Case ID	3
4. Actors	Member
5. Description: With the buy option the user will be able to buy an item as per their interest.	
5.1. Pre-Conditions: <ul style="list-style-type: none">User must be logged in.	
5.2. Task Sequence: <ul style="list-style-type: none">Users will search for the item that they want to buy.Select the item.Click on buyUser will be taken to chat room where they can and negotiate to buy the item	
5.3. Post Conditions: Items bought.	
6. Modification History: Date 16-September-2023	
7. Author: Aditya, Rushil, Nischay.	

Use Case Template 04

1. Use Case Title	Chat room
2. Abbreviated Title	Chat room
3. Use Case ID	4
4. Actors	Member
5. Description: A chat room for the users to interact with each other for trading within the website.	
5.1. Pre-Conditions: User must be logged in.	
5.2. Task Sequence: <ul style="list-style-type: none">User selects the item that they want to buyUser selects the chat option and interacts with the respective seller/renter	
5.3. Post Conditions: User has interacted with the other user.	
6. Modification History: Date 16-September-2023	
7. Author: Aditya, Rushil, Nischay.	

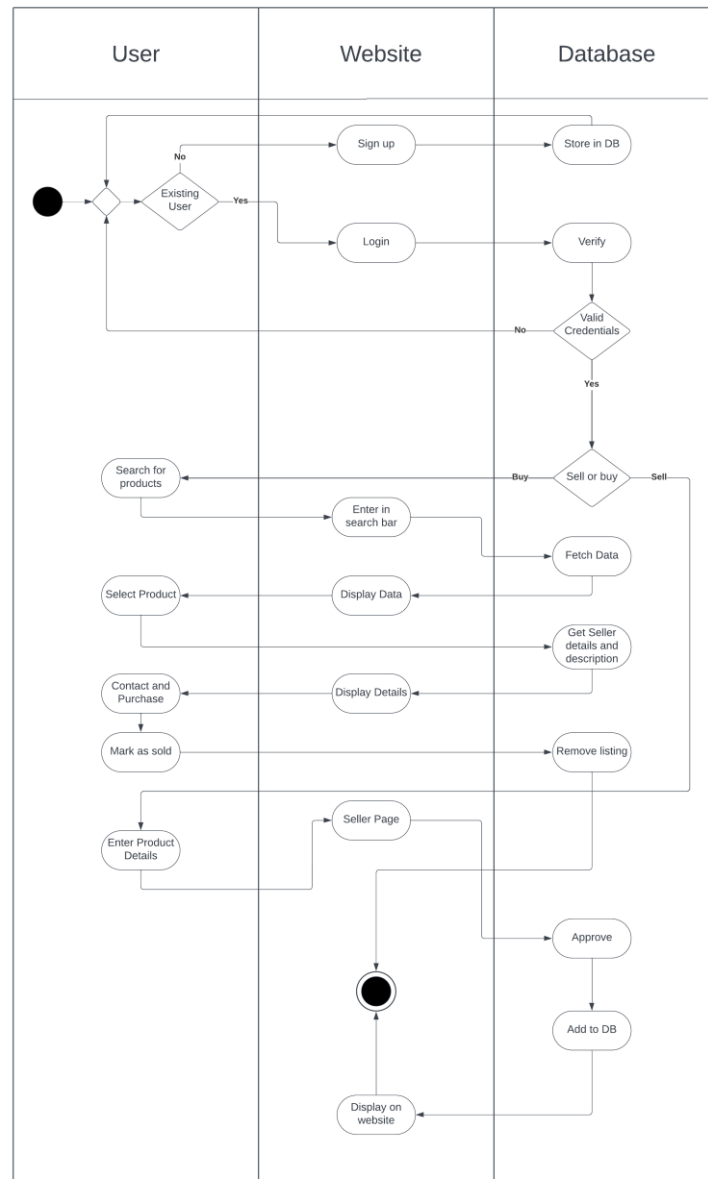
Activity Diagram:

Thapar OLX Activity Diagram



Swimlane Diagram

Thapar OLX Swimlane

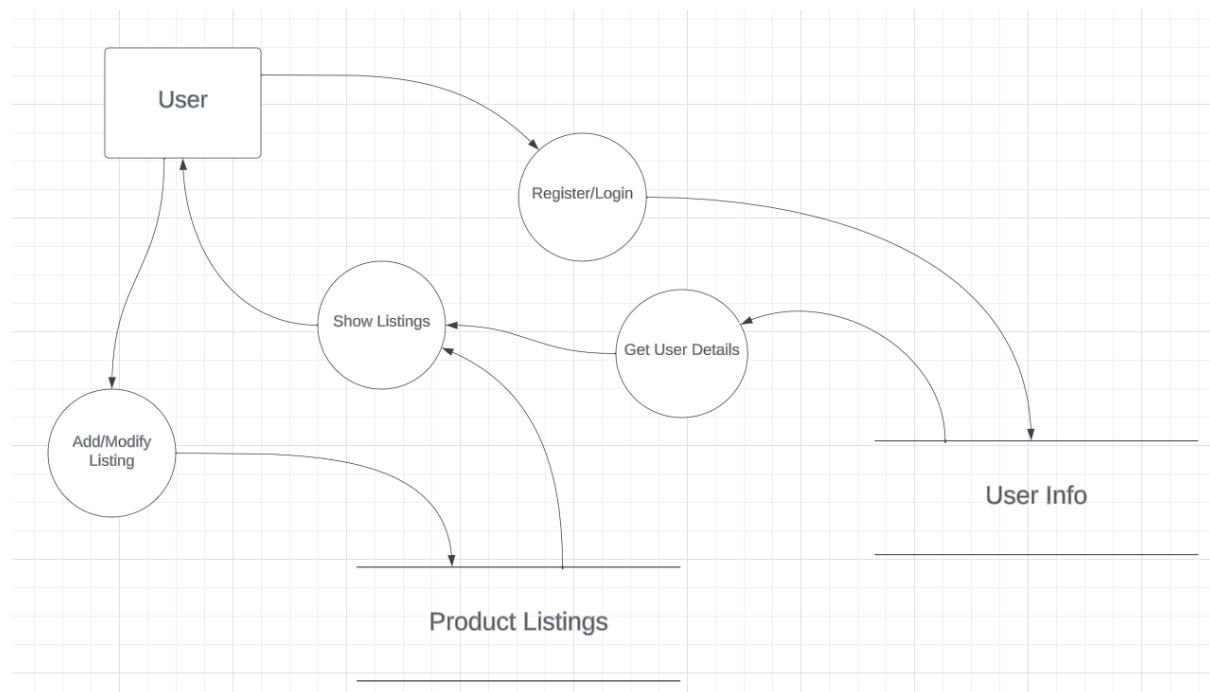


Data Flow Diagram

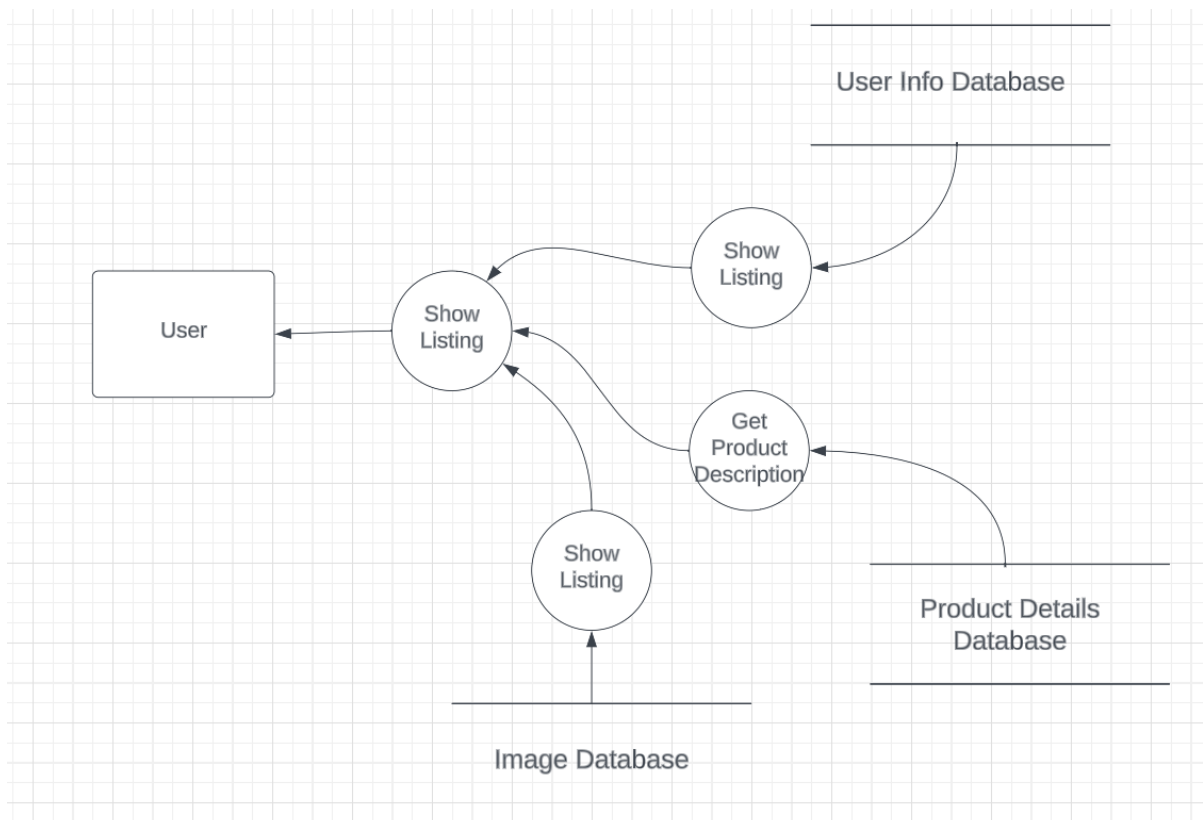
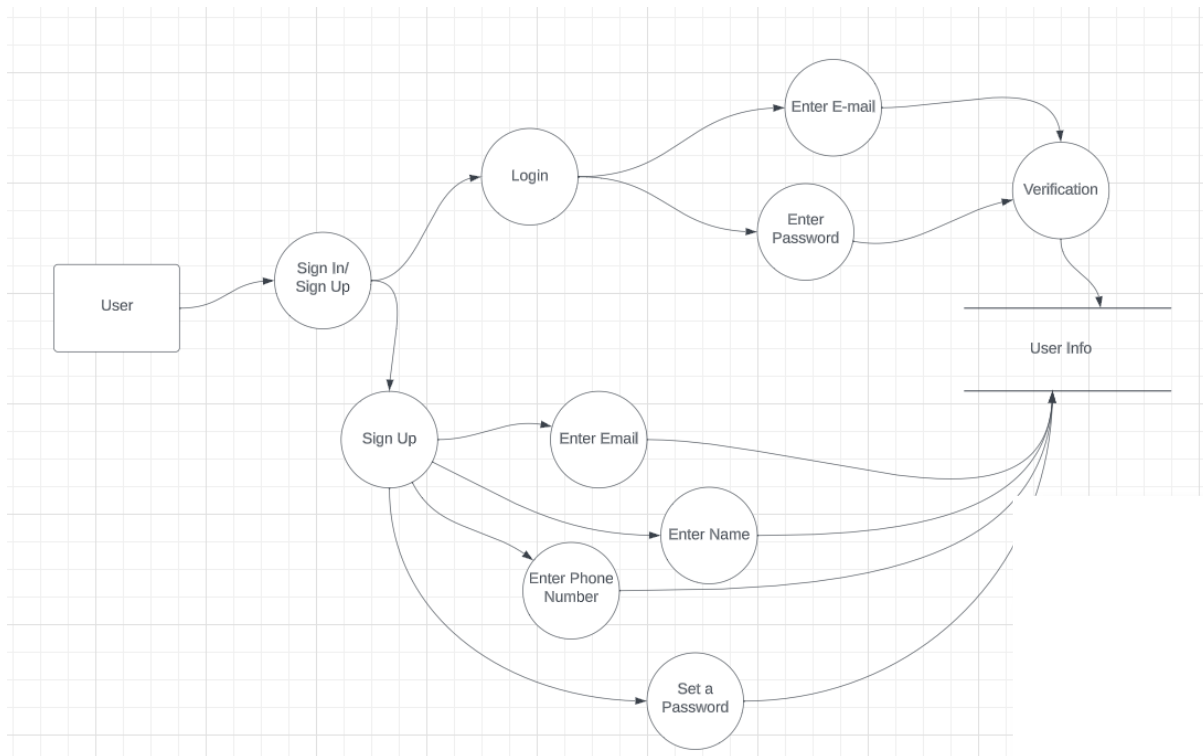
Level 0

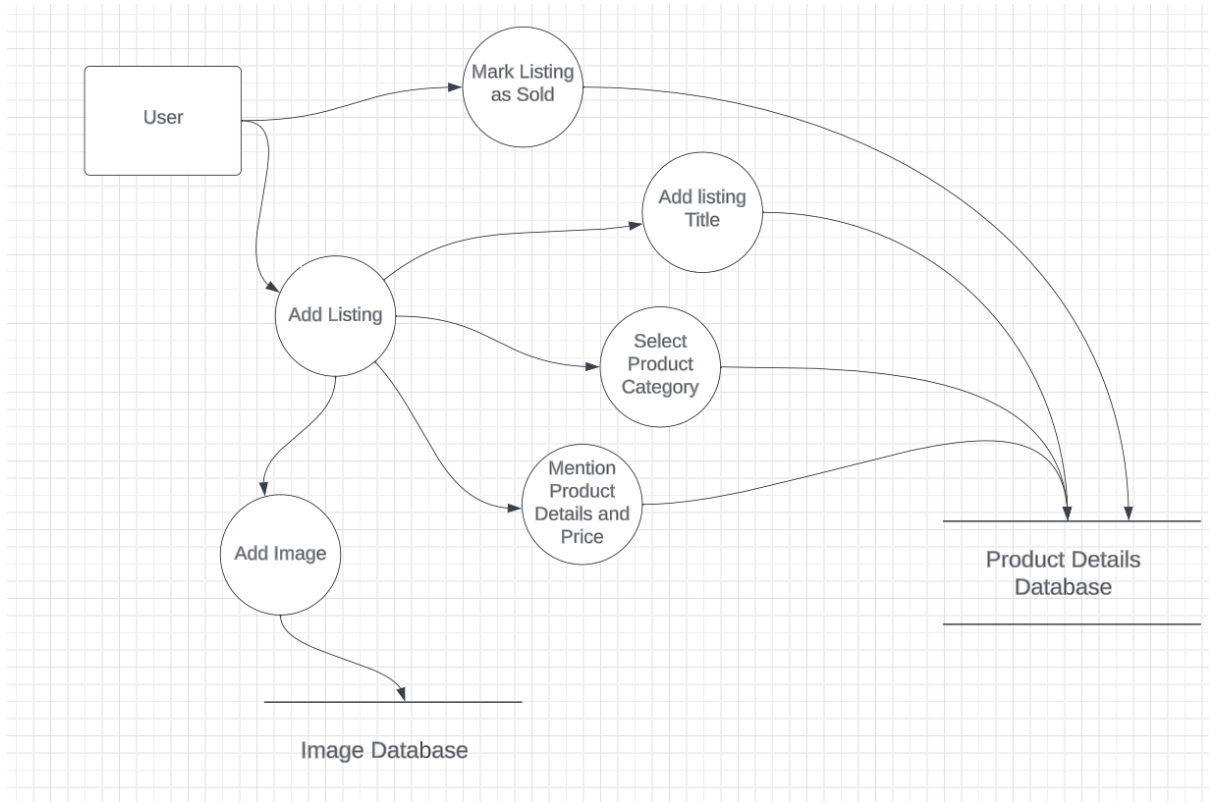


Level 1



Level 2





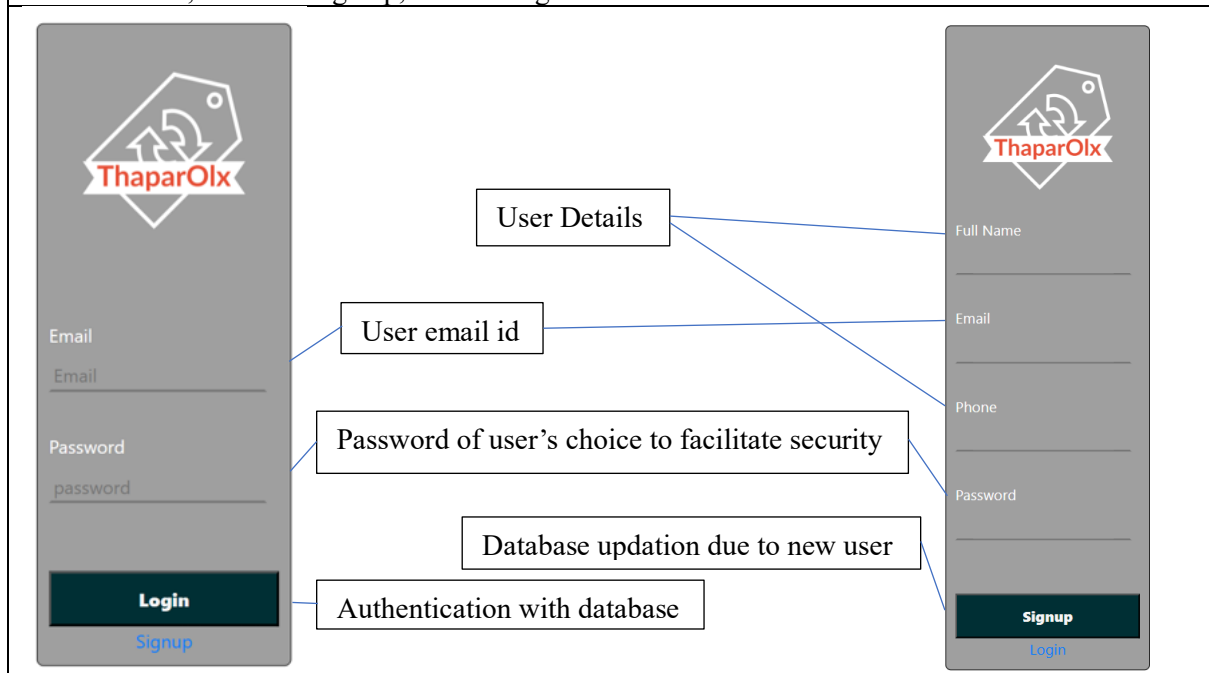
User Story Card

#0001

User Login / Signup

As a registered user, I want to log in, so I can access website – ThaparOLX.

As a new user, I want to sign up, so I can login on the website.




Confirmation (Login)

1. **Success-** valid user logged in and directed to home page.
2. **Failure-** display message
 - a. “The email address is badly formatted. (auth/invalid-email)” in case where email id is not entered.
 - b. “A non-empty password must be provided (auth/missing-password)” in case of password not entered.
 - c. “Error (auth/invalid-login-credentials)” in case email-id and password mismatch.


Confirmation (Signup)

1. **Success-** User details successfully stored in database and re-directed to login page.
2. **Failure-** display message
 - a. “input fields cannot be empty” in case if any data entry is left unfilled.

#0002	Search
As a registered user, I want to search product list, so I can directly find a product for my need.	
<div>Search-bar to enter the product name to match it with database.</div> <div><input type="text" value="Type something to search..."/> </div>	

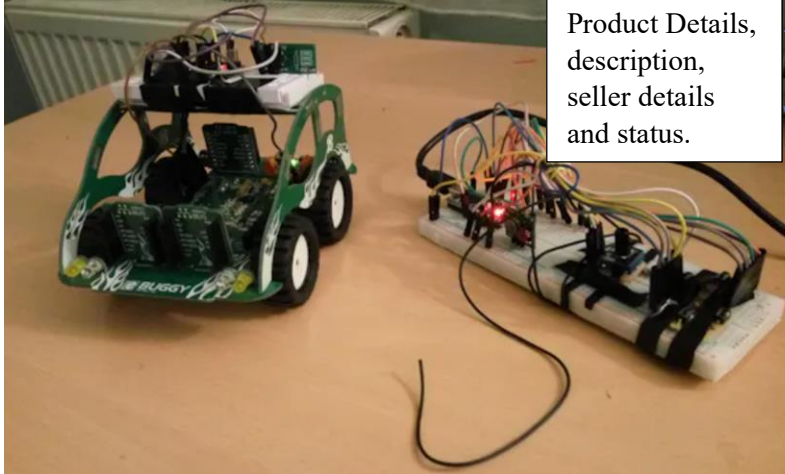
Confirmation

1. **Success-** Product list matching with user search request.
2. **Failure-** Display message
 - a. “No items found, please search by product category or product name” if no matchup could be obtained from database.

#0003	Sell
As a registered user(seller), I want to make a listing, so I can sell my item.	
<div>Name of product</div> <div>Price of product, Seller's Ask</div> <div>Product Image</div>	<div> <div>Name</div> <div>Category: Select Category</div> <div>Price</div> <div>Description</div> <div>  <input type="button" value="Choose File"/> No file chosen </div> <div>Upload and Submit</div> </div> <div>Category of product that the product falls in</div> <div>Product detailed description</div> <div>Create & display product listing, store in database</div>

Confirmation

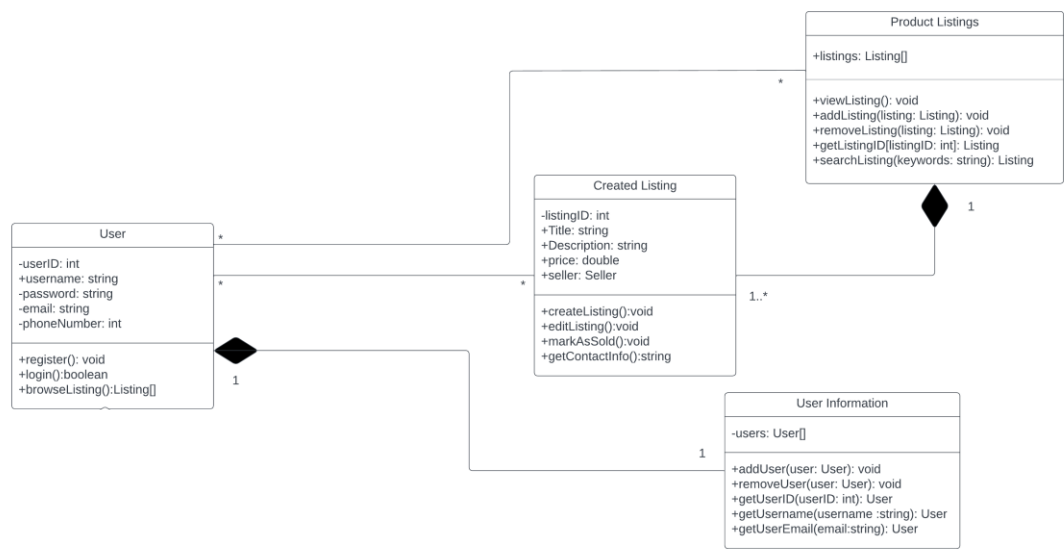
- Success-** go back to home page
 - Add product to database
 - Show the product in quick menu and fresh recommendations
- Failure-** display message
 - "input fields cannot be empty and an image is required" when any or all of the fields are left unfilled

#0004	Item Details
As a registered user/seller, I want to se details of item being sold, so I can make a better decision i.e. to buy or not.	
	<div>Product Details, description, seller details and status.</div> <div> <div>₹ 2000</div> <div>buggy Electronics</div> <div>Mon Nov 20 2023</div> </div> <div> <div>Product Description</div> <div>edp 2</div> </div> <div> <div>Seller details</div> <div>Name : aditya tomar</div> <div>Phone : 07982147287</div> </div> <div> <div>Status</div> <div>Not Sold</div> </div>

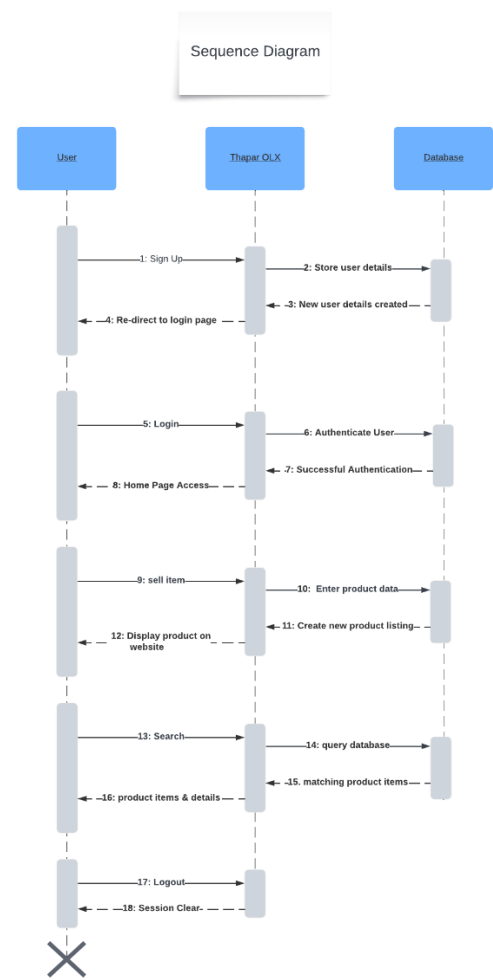
Confirmation

- Success-** View item details
- Failure-** Display message
 - "No items found, please search by product category or product name"

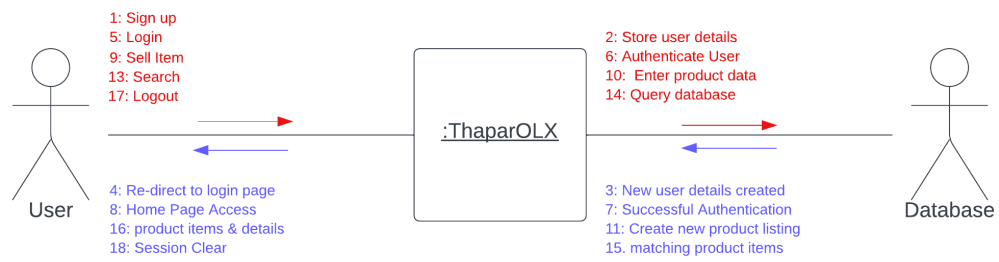
Class Diagram



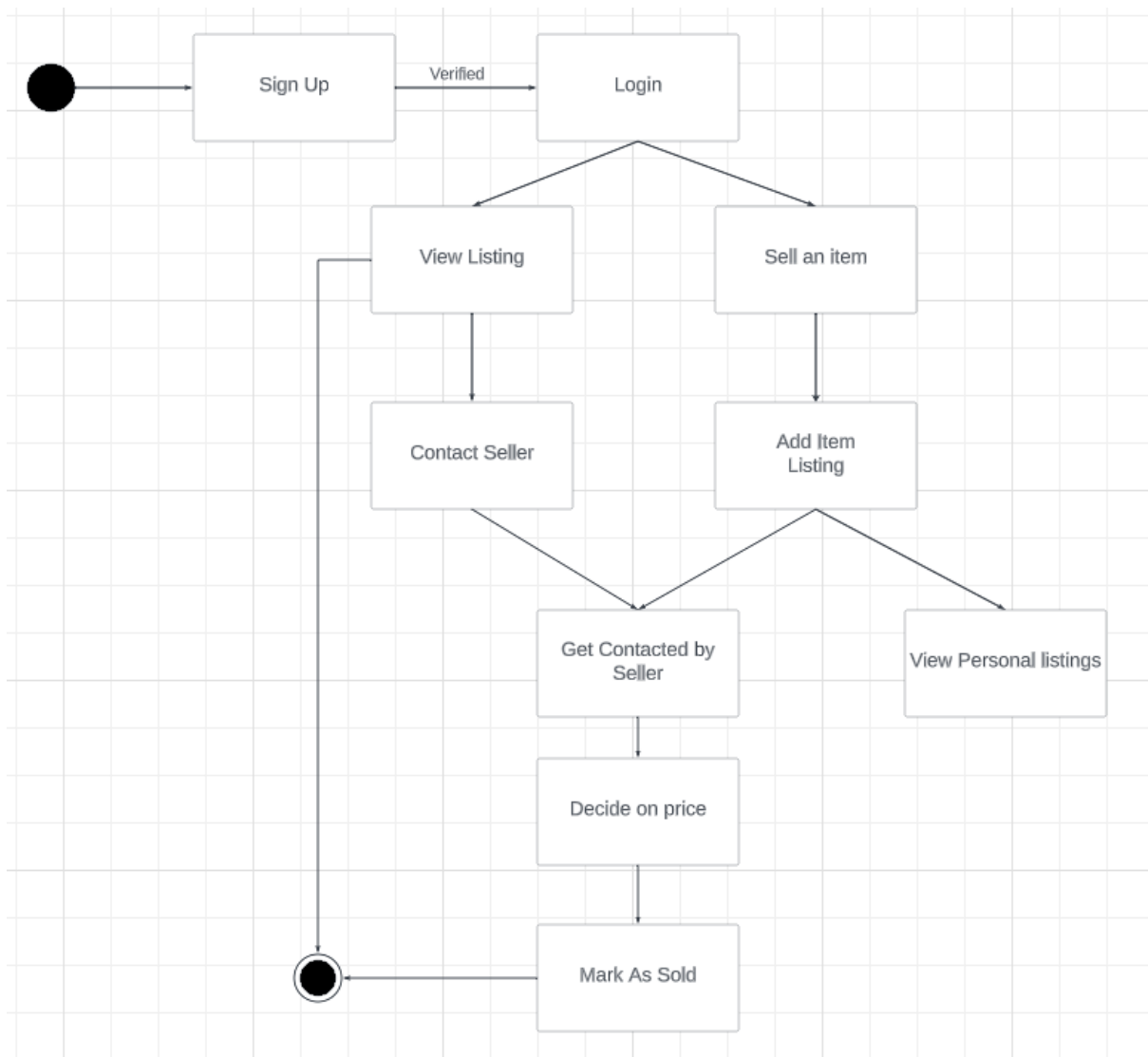
Sequence Diagram



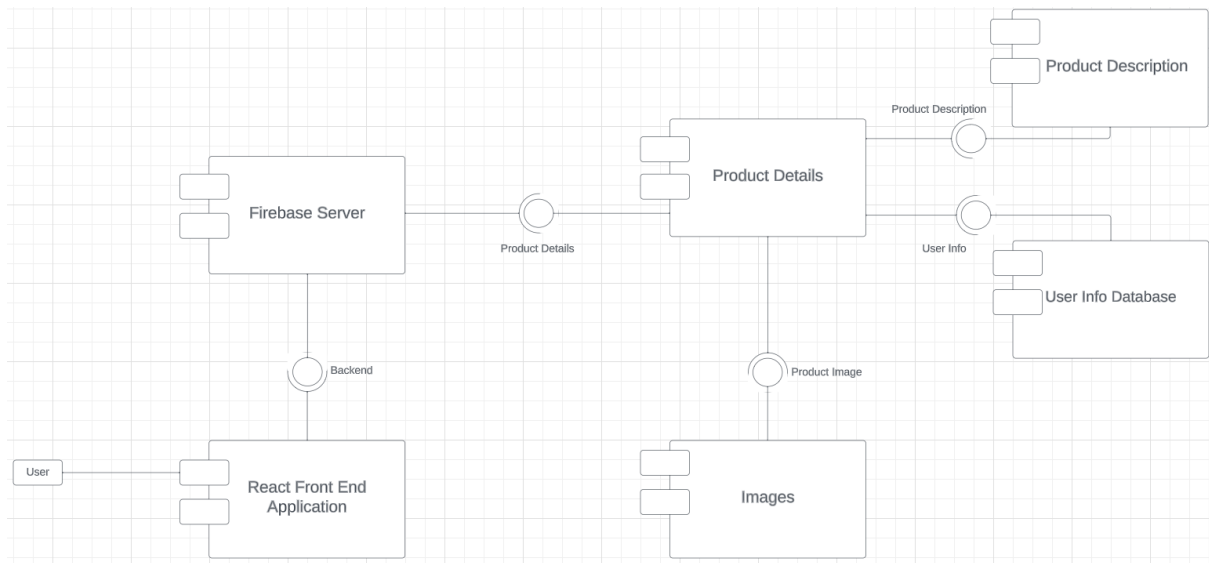
Collaboration Diagram:



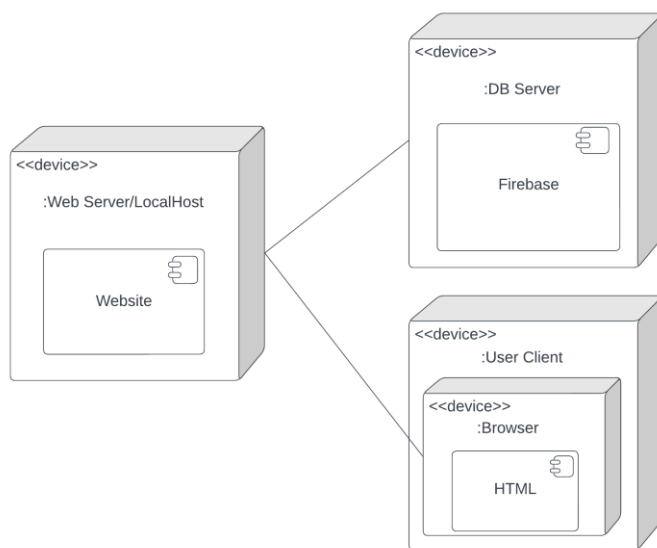
State Chart Diagram:



Component Diagram:

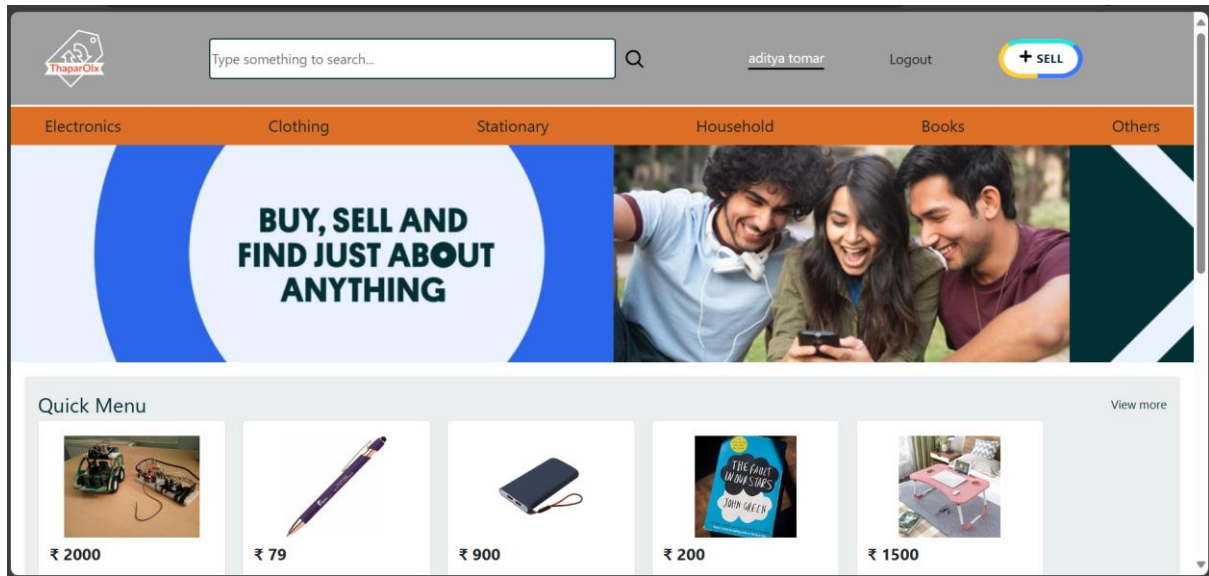


Deployment Diagram:

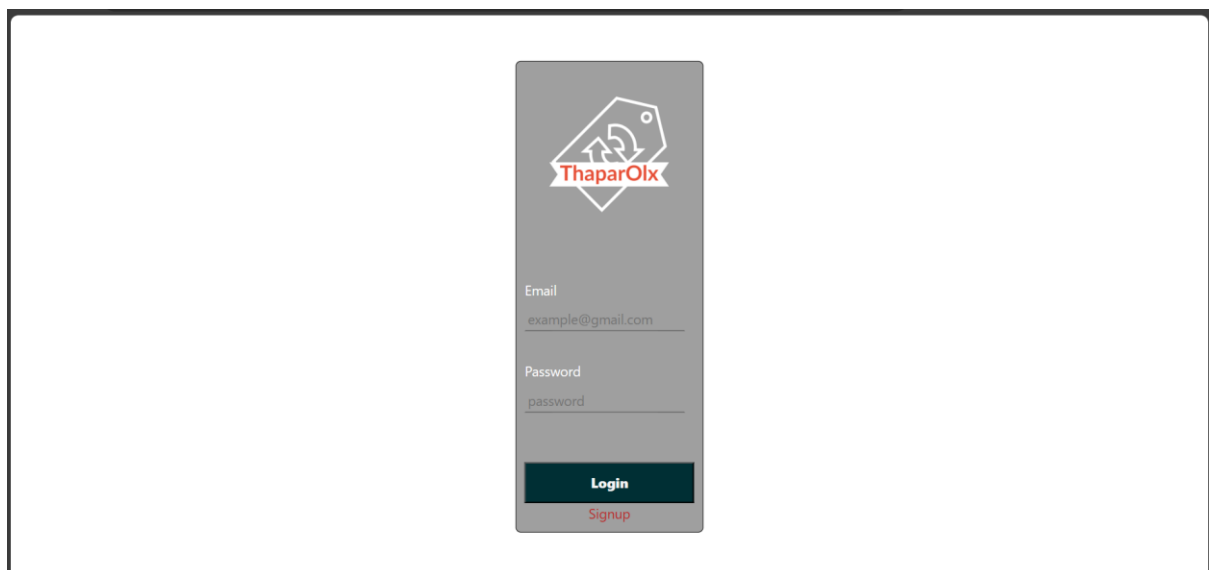


Screen shots from Software:


Home-Page:



Login:



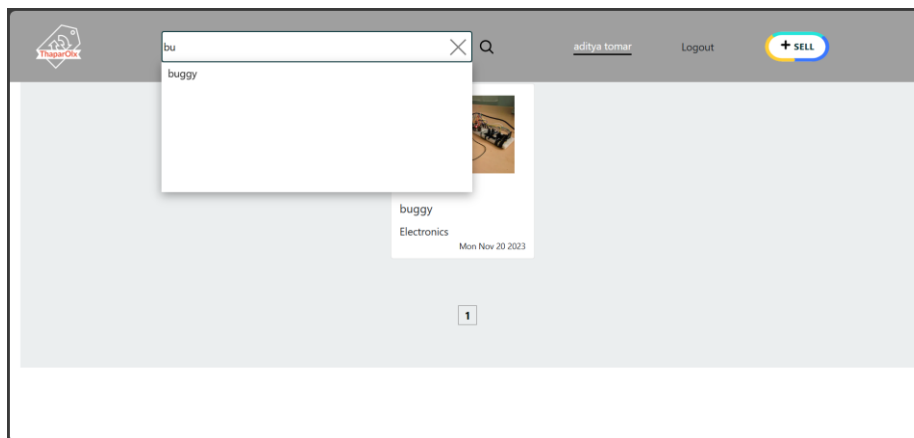
Signup:




Signup


Login

Search:



Product Details:






[aditya tomar](#)

[Logout](#)

+ SELL



₹ 1500

Folding table
Household
Tue Nov 21 2023

Product Description

Sturdy and comfortable study table that can be used on bed. 2 months old, selling as graduating soon. Metal folding legs and polymer top with slots for holding various items like cups and phone.


Seller details

Name : rushil agarwal
Phone : 7011201415

Status

Not Sold.

My Account:



Q
aditya tomar
Logout
+ SELL


Electronics
Clothing
Stationary
Household
Books
Others

My Account

Name : aditya tomar

Phone : 07982147287


My Posts



₹ 79

Ball point pen

Stationary




₹ 2000

buggy

Electronics

[View more](#)


Category:



Q
aditya tomar
Logout
+ SELL

Electronics
Clothing
Stationary
Household
Books
Others

Electronics



₹ 2000

buggy

Electronics


Mon Nov 20 2023

View more

My Account

Name : aditya tomar

Sell:




Q
aditya tomar
Logout
+ SELL

Name

Category: Select Category

Price

Description

 Posts

Choose File

No file chosen

Upload and Submit

Test Reports:

Test Case 1 (Sign Up)

Test Case#: 1	Test Case Name: Sign up	Page: 1 of 1
System: Thapar-OLX	Subsystem: Sign-Up	
Designed by: Aditya	Design Date: 19/10/2023	
Executed by: Rushil	Execution Date: 19/10/2023	
Short Description: Test the functioning of Thapar OLX's signup function.		

Pre-conditions

1. No preconditions required.

Step	Action	Expected System Response	Pass/Fail	Comment
1.	Click on "Signup" button.	System displays a message, requesting user details.	P	
2.	Enter full name	Null	P	
3.	Enter email	Null unless string not "email type" then error	P	
4.	Enter phone	Null unless phone length =10 otherwise error	P	
5.	Enter Password	Null unless password length >=6 otherwise error	P	

Post conditions:

1. System displays login window
2. User details i.e. full name, email, phone, password are stored in database

Test Case 2 (Login)

Test Case#: 2	Test Case Name: Login	Page: 1 of 1
System: Thapar-OLX	Subsystem: Log-In	
Designed by: Rushil	Design Date: 25/10/2023	
Executed by: Nischay	Execution Date: 26/10/2023	
Short Description: Test the functioning of Thapar OLX's login function.		

Pre-conditions

1. User should be already signed up on Thapar-OLX.

Step	Action	Expected System Response	Pass/Fail	Comment
1.	Click on “Login” button.	System displays a message, requesting user details.	P	
2.	Enter Email	Null unless string not “email type” or email not already in database, then error.	P	
3.	Enter Password	Null unless password length ≥ 6 , then error.	P	
4.	Click Login	System displays home page if given correct combination of email and password.	P	

Post conditions:

1. System displays home page.

Test Case 3 (Search)

Test Case#: 3	Test Case Name: Searching	Page: 1 of 1
System: Thapar-OLX	Subsystem: Search-Bar	
Designed by: Nischay	Design Date: 28/10/2023	
Executed by: Aditya	Execution Date: 28/10/2023	
Short Description: Test the functioning of Thapar OLX’s search bar.		

Pre-conditions

1. No pre-conditions required.

Step	Action	Expected System Response	Pass/Fail	Comment
1.	Click on search bar.	System allows user to enter string	P	
2.	Click on search icon	System matches the string with database and provide any entry if found	P	

Post conditions:

1. System displays item list of items if found matching with user search.

Test Case 4 (Log-Out)

Test Case#: 4	Test Case Name: Logout	Page: 1 of 1
System: Thapar-OLX	Subsystem: Log-Out	
Designed by: Aditya	Design Date: 29/10/2023	
Executed by: Rushil	Execution Date: 29/10/2023	
Short Description: Test the functioning of Thapar OLX's logout function.		

Pre-conditions

1. User must be logged-in.

Step	Action	Expected System Response	Pass/Fail	Comment
1.	Click on "Logout" button.	System takes user back to login window, requesting user details for login and an option for signup.	P	

Post conditions:

2. System displays login window
3. User details i.e. full name, email, phone, password are stored in database

Test Case 5 (Categories)

Test Case#: 1.5	Test Case Name: Categories	Page: 1 of 1
System: Thapar-OLX	Subsystem: Categories	
Designed by: Rushil	Design Date: 01/11/2023	
Executed by: Nischay	Execution Date: 01/11/2023	
Short Description: Test the functioning of Thapar OLX's category bar.		

Pre-conditions

1. No pre-conditions required.

Step	Action	Expected System Response	Pass/Fail	Comment
1.	Click on any category on the category bar.	System displays list of items from that specific category only	P	

Post conditions:

1. System displays list of items that fall in the same category as category chosen by the user.

Test Case 6 (Add Item to Sell)

Test Case#: 6**Test Case Name:** Selling**Page:** 1 of 1**System:** Thapar-OLX**Subsystem:** Sell Form**Designed by:** Nischay**Design Date:** 28/10/2023**Executed by:** Aditya**Execution Date:** 28/10/2023**Short Description:** Test the functioning of Thapar OLX's add an item to sell function.**Pre-conditions**

1. User must be logged in.

Step	Action	Expected System Response	Pass/Fail	Comment
1.	Click on sell button.	System redirects the user to the sell page	P	
2.	Input Name of the Product	System checks if the Field is Null	P	
3.	Select a category of the product	System checks that at least one category is selected	P	
4.	Input Asking Price	System checks if the input is integer	P	
5.	Enter Product Description	System check if the field is Null	P	
6.	Select an image of the product	System checks if no image is selected	P	
7.	Click on Upload and Submit	System Creates a product listing in the database and uses the user id to attach user info to the listing	P	

Post conditions:

1. System adds the item listing in the database with the image.

Test Case 7 (View Current Product List)

Test Case#: 7	Test Case Name: View Listings	Page: 1 of 1
System: Thapar-OLX	Subsystem: Homepage	
Designed by: Aditya	Design Date: 28/10/2023	
Executed by: Rushil	Execution Date: 28/10/2023	
Short Description: Test the functioning of fetching of listings from database to display.		

Pre-conditions

1. No pre-conditions required.

Step	Action	Expected System Response	Pass/Fail	Comment
1.	User is on the Homepage	System should Fetch the Details of the listings on the database and show only those whose status is not sold	P	

Post conditions:

1. System displays all the available listings on the homepage.

Test Case 8 (Mark as Sold)

Test Case#: 8	Test Case Name: Mark as sold	Page: 1 of 1
System: Thapar-OLX	Subsystem: Product Listing	
Designed by: Rushil	Design Date: 28/10/2023	
Executed by: Nischay	Execution Date: 28/10/2023	
Short Description: Test to mark the item as sold so that it doesn't appear in listings.		

Pre-conditions

1. User Must be logged in.
2. The listing should be made by the user.

Step	Action	Expected System Response	Pass/Fail	Comment
1.	Click on a listing.	System Fetches more info on the listing and then replies back with the information	P	
2.	Click on the Mark as sold Button	System changes the status to sold and thus removes it from the listing so it is not displayed	P	

Post conditions:

1. The item is marked as sold and the system no longer displays it as a listed item.

Test Case 9 (View Detailed Item List)

Test Case#: 9	Test Case Name: View Product Details Page: 1 of 1
System: Thapar-OLX	Subsystem: Product Listing
Designed by: Nischay	Design Date: 28/10/2023
Executed by: Aditya	Execution Date: 28/10/2023
Short Description: Test the fetch function which collects both the user and the product info and display it on a single screen.	

Pre-conditions

1. No pre-conditions required.

Step	Action	Expected System Response	Pass/Fail	Comment
1.	Click on an Item Listing	System fetches the required info about the queried Item and shows them on the screen	P	

Post conditions:

1. System displays the detailed view and description of the item being viewed along with seller information.

Test Case 10 (Thapar-OLX(Main icon) leads to home page)

Test Case#: 10	Test Case Name: Homepage Return Page: 1 of 1
System: Thapar-OLX	Subsystem: Website Icon
Designed by: Aditya	Design Date: 28/10/2023
Executed by: Rushil	Execution Date: 28/10/2023
Short Description: Test the function of returning to homepage after pressing the website's icon.	

Pre-conditions

1. No pre-conditions required.

Step	Action	Expected System Response	Pass/Fail	Comment
1.	Click on Thapar Olx icon.	System redirects the user to the homepage of the website	P	

Post conditions:

1. System redirects the user to the Homepage.

Test Case 11 (View More)

Test Case#: 11	Test Case Name: Searching	Page: 1 of 1
System: Thapar-OLX	Subsystem: Search-Bar	
Designed by: Rushil	Design Date: 28/10/2023	
Executed by: Nischay	Execution Date: 28/10/2023	
Short Description: Test the functioning of Thapar OLX's view more button on quick menu and fresh recommendations.		

Pre-conditions

1. No pre-conditions required.

Step	Action	Expected System Response	Pass/Fail	Comment
1.	Click on View More button	System fetches all the current listings available in quick menu.	P	

Post conditions:

1. System displays all the product items available for sale.

Test Case 12 (View My Account)

Test Case#: 12	Test Case Name: Searching	Page: 1 of 1
System: Thapar-OLX	Subsystem: My Account	
Designed by: Aditya	Design Date: 28/10/2023	
Executed by: Rushil	Execution Date: 28/10/2023	
Short Description: Test the functioning of Thapar OLX's my account button.		

Pre-conditions

1. User must be logged in to the website.

Step	Action	Expected System Response	Pass/Fail	Comment
1.	Click on the button with name same as your username.	System displays my account window, displaying user details and user posts.	P	
2.	Click on any post from My Posts.	System displays the product details	P	
3.	Click on view more in My Posts	Systems displays all of you product listings available for sale.	P	

Post conditions:

1. System displays all the product items that the user posted and is available for sale.

5. Document Approvers

SRS for Website based platform of buying, selling and renting goods approved by:

(Name)

Designation

Date