**eStore**

**Software Requirements Specification**

**Document**

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1. **Introduction:**

**1.1 Purpose and Scope**

The purpose of this website is to help small businesses by creating a platform to take their business to web. "eStore" is an eCommerce website which deals with retail products. System provides an option to donate certain percentage of bill amount to charity. If a user wants to sell their used products he can do so by listing his products in the catalog. He is given an opportunity to determine any reasonable price. We are planning to develop a responsive website where same webpage can be rendered in all devices with any breakpoints responding as per screen size and orientation.

**1.2 Problem Description**

Online shopping depends upon various economic, demographic factors, technical, social factors, cultural factors, marketing factors. Customers choose to buy a product online only when they want to save their time by not going to stores or shopping malls and by just accessing those products only by a click.There are some problems that change the mood of the customer over buying a product that is when the same product is available for the customer with much more cheaper price in stores or other online sites.

**Quality** of that product matters a lot for maintaining a good relationship with customer. **Delivery time** of the product because sometimes delivery time of the product changes due to external factors.

**Security Issues**(purchase details of the customer like his info and card details).

Also there are some other factors but the above mentioned plays a vital role.

**1.3 Glossary**

eStore, online mart, eCommerce, shopping, grocery, online Purchase.

**2. System Context:**

**2.1 Subject facet:**

**Requirement sources:** Admin, User.

**Context objects:** Customer, Admin,Payment Details, Product Details,Vendor, Reviews, Ratings, Customer loyalty, Amount for charity, Discount, Offers on Products.

**Properties and relationships:**

Admin displays list of items for sale.

User buys items.

User sells used products.

User gives charity.

**2.2 Usage facet :**

**Context objects:** Admin, User(Customer).

**Properties and relationship:**

Admin saves user order data.

Admin saves potential users list.

User adds used or new items for sale.

**2.3 IT facet (only if applicable)** :

Desktop/mobile device

**2.4 Ethical/legal considerations:**

The Main thing that should be always considered while developing a online website is Customer Information should be always secured and should not be misused.

Privacy and the trust should be included.

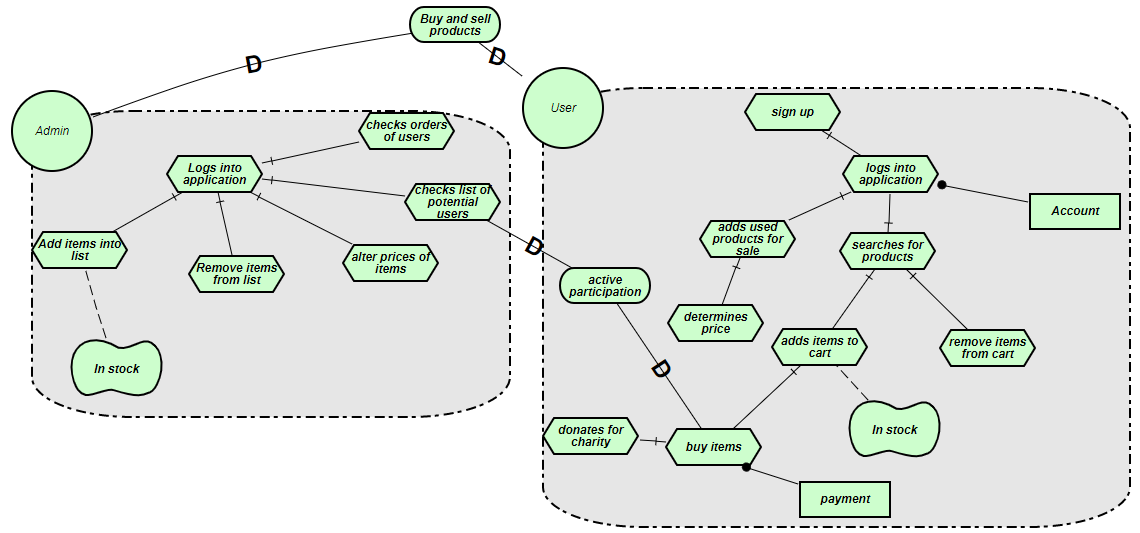
Provide the legal terms for the user before registering or buying a product for acceptance before buying products.

Copyrights on the web-app should include that if any illegal or crimes committed using the application then the owner of that online web-app is responsible for that. .

No-spam mails should be sent to customer i.e. customer details should be secured and not be misused.

**3. Goals:**

**Goal model :**



**Descriptions of goals :** To successfully buy or sell items.

**Desired-State Scenarios :**

Admin logs into application with the credentials.

Admin displays list of items to sell.

Admin can add or remove any products from the list.

Admin can alter the price of product.

Admin checks the list of customers who bought the products.

User signs up to create an account.

User logs in with his credentials.

User searches for items in product catalog.

User adds used products for sale.

User determines price of used products

User adds desired items to the cart.

User removes items from the cart.

User buys required items.

Users can sell their used items.

User can donate a percent of amount to charity.

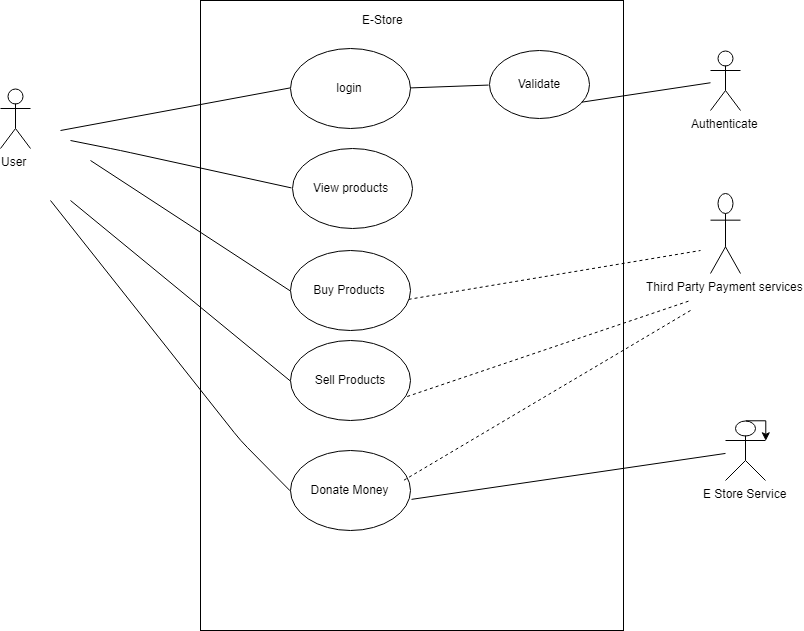
**4. Functional Requirements:**

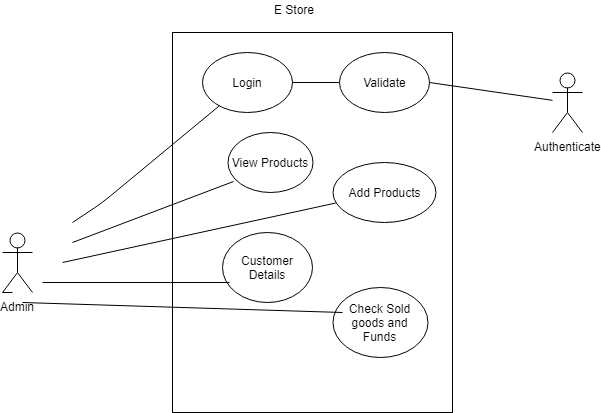
**4.1 Overview :**

Here in these web-application the user signs up for buying or selling any product through this website and he can find the best deals on the product and can also have the option of selling his old products through this website depending upon the auction. User gets the notifications about the purchase through e-mail.Also, one good thing that is provided by this website is donating some percentage of the amount to charity as a goodwill.It is a responsive website where same webpage can be opened in all devices with any breakpoints responding as per screen size and orientation.

**4.2 Functional Model**

**4.2.1 Use Case Diagram**

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**4.2.2 User Stories**

As a User, I want to login with eStore, so that I can view all the products listed , buy products and also sell goodwill products.

As a Admin, I want to login with eStore, so that I can view products, add products for sale and also check customer details.

As a User, in order to login I must enroll to the system providing my details along with user Id and password.

As a User, in order to buy products I want to check the list of products available in the homepage.

As a User, in order to buy a product I want to check all the details of the product along with price in product detail page.

As a User in order to sell my old products I want to provide details of my old product along with price so that other users can buy them.

As a Admin, I want to check all the details of customers who purchased or sold any products in the website.

As a User, I want to donate some money to charity along with bill.

**4.2.3 Behavior-Driven Scenarios :**

**User Stories 1:**

**Feature Name:** Login

**Participating Actors:** Administrator, Users

**Actor:** Administrator

**Related Scenarios:**

**Scenario One:** Administrator enters his credentials in the Login page, Once the credentials check is made Administrator is redirected to the home page. He has certain rights to approve the users requesting the access. He can disable and enable certain features.

**Scenario Two:** If the credentials entered by Admin are incorrect he is again redirected to the same Login page prompting him to enter correct credentials.

**Actor:** Users

**Related Scenarios:**

**Scenario One:** User enters his credentials in the Login page, Once the credentials check is made the user is redirected to the home page.

**Scenario Two:** If the credentials entered by user are incorrect he is again redirected to the same Login page prompting him to enter correct credentials.

**User Stories 2:**

**Feature Name:** Sign Up

**Participating Actors:** Users

**Actor:** Users

**Related Scenarios:**

**Scenario One:** This situation occurs when a user has not signed up at all. Once the user clicks the sign up he is redirected to a sign up page. User needs to enter certain details like his first name, surname, middle name, address, phone number, preferred username and password. Once he is done with submitting the details the credentials are stored in database and user is directed to login page from where he can proceed with login details.

**User Stories 3:**

**Feature Name:** Product Search

**Actors:** Administrator, Users

**Related scenarios:**

**Scenario One:** The home page consists of various options of which product search is the first one. On click of it user is directed to a page which consists of several products listed. He will be able to filter them based on a few criteria as price, material etc.

**Scenario Two:** The Good will page consist of several goodwill and used products list uploaded by users for sale.

**User Stories 4:**

**Feature Name:** Product Details Page

**Actor:** Administrator, Users

**Related scenarios:**

This page consist of details of the product along with the price. On click of buy product button user can buy that product.Where User can buy the products and see the product details and the amount that goes to the charity as well.

**User Stories 5:**

**Feature Name:**  Add products

**Actor:** Administrator, Users

**Related scenarios:**

Admin can add products both in home page and goodwill page for sale where as user can add products in goodwill page. This page will allow user or admin to enter all the details of the product along with price.

**User Stories 6:**

**Feature Name:**  View customers page

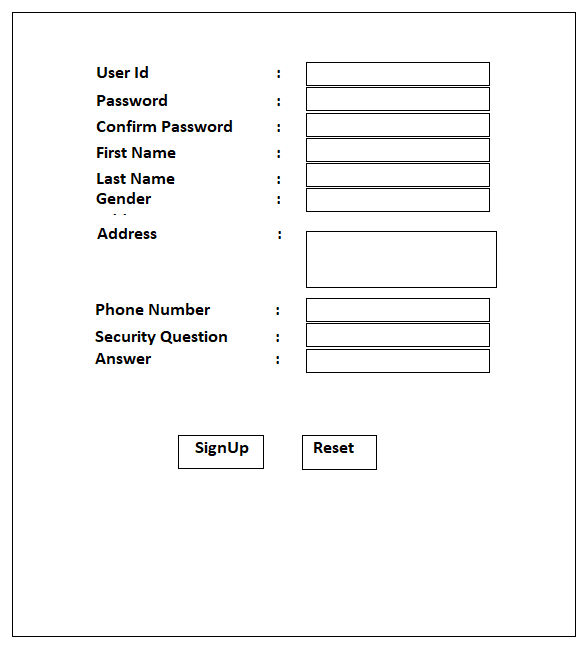
**Actor:** Administrator

**Related scenarios:**

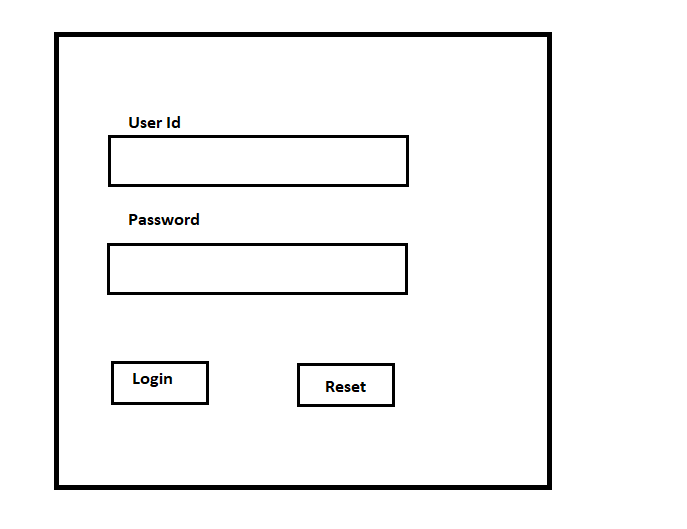
Admin can check all the customer details who purchased goods from this website. Customer details include name of the customer, product bought , product sold in good will along with timestamp.

**4.2.4 Screen Mockups :**

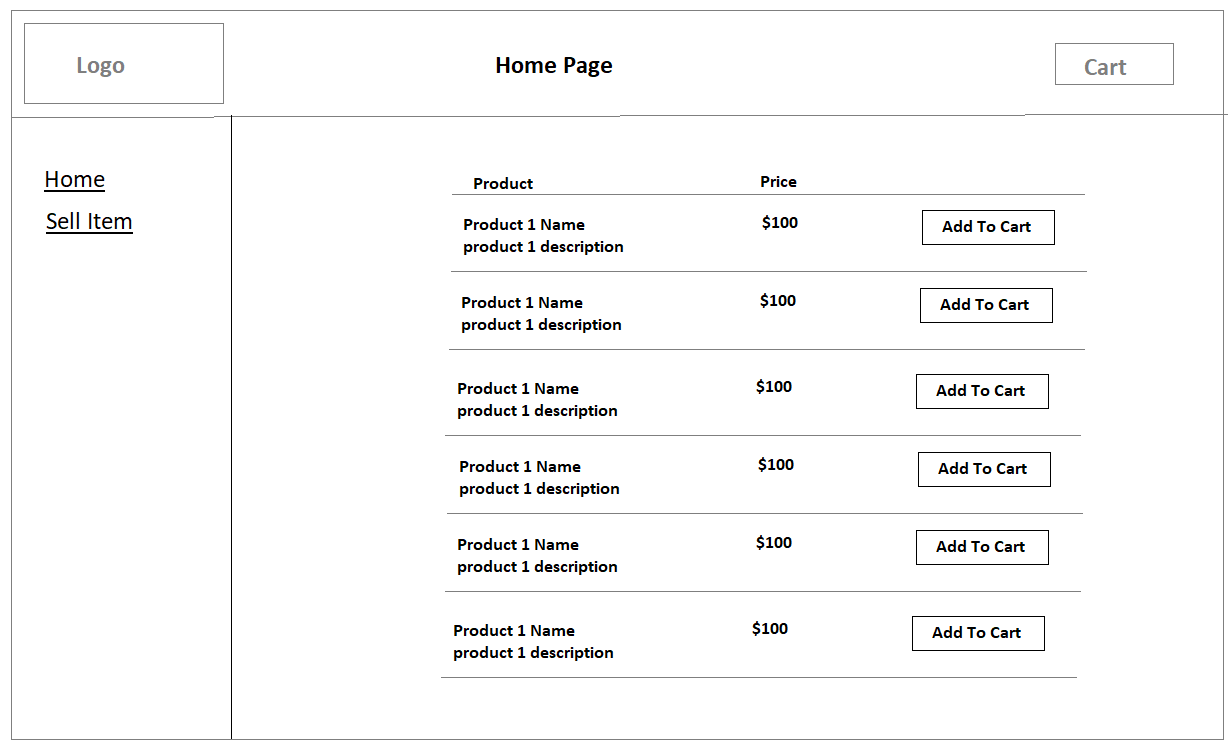
**Signup Page:**

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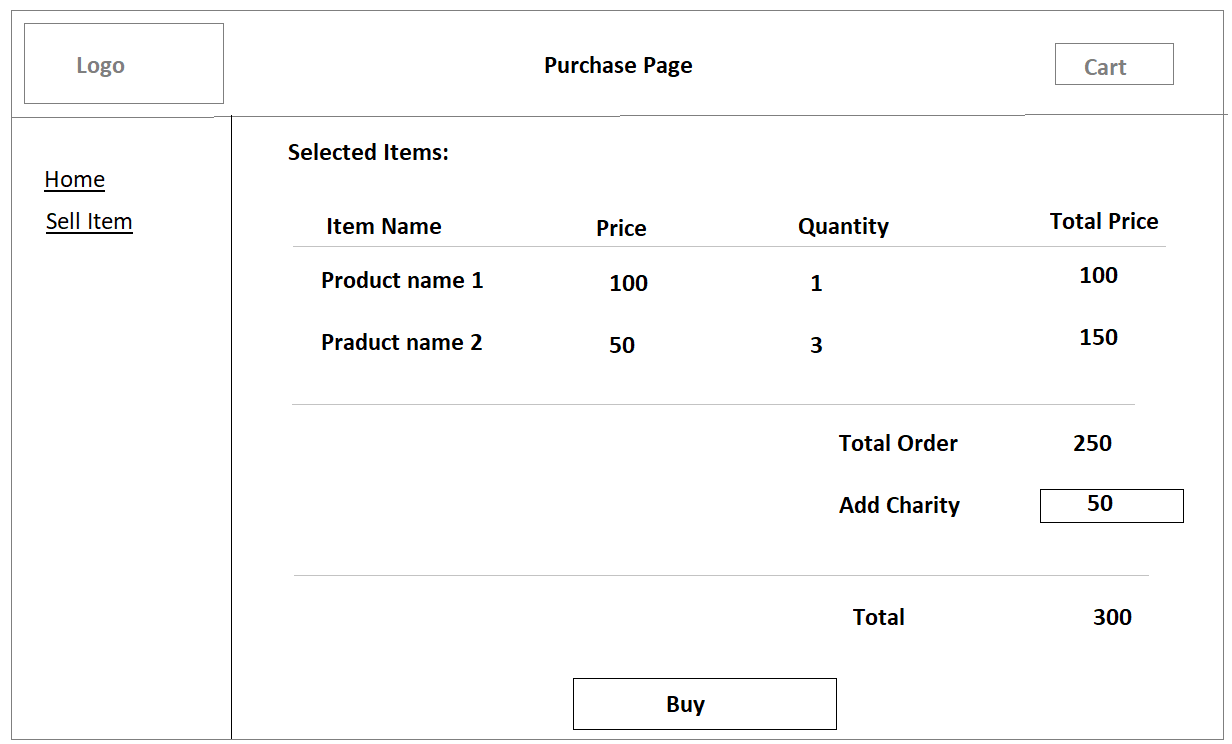
**Login page:**



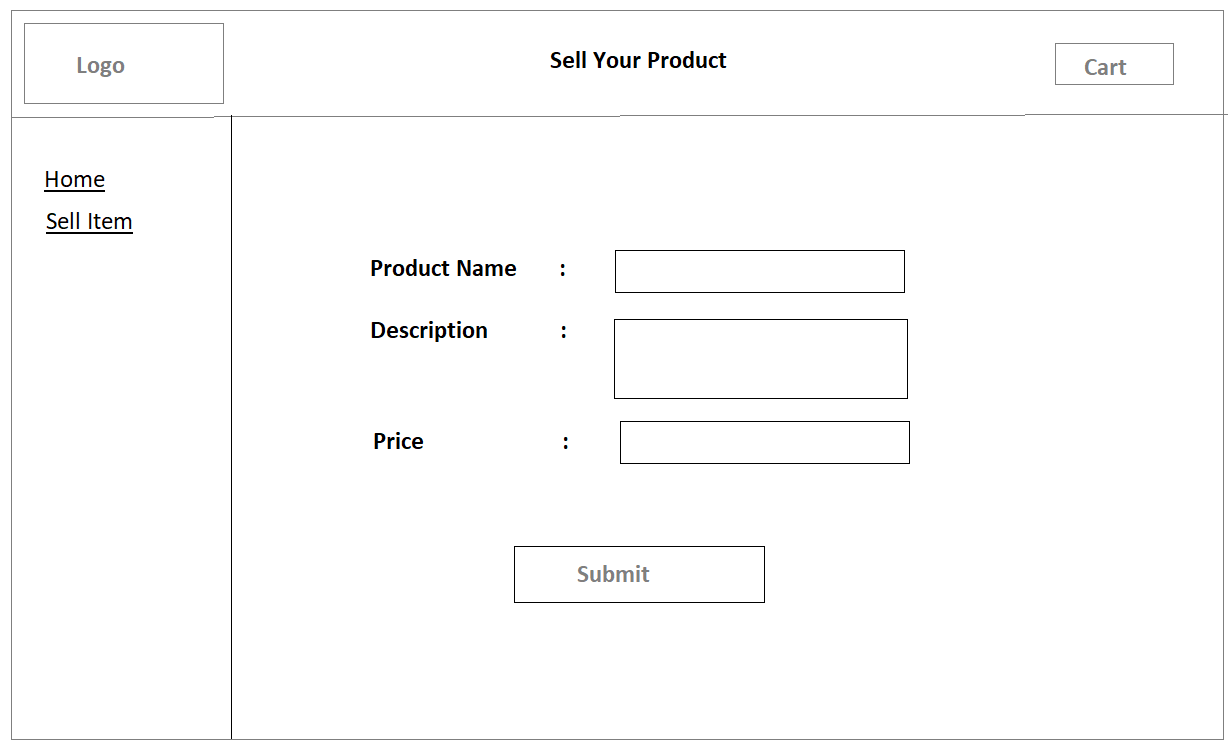
**Home Page:**



**Purchase Page:**

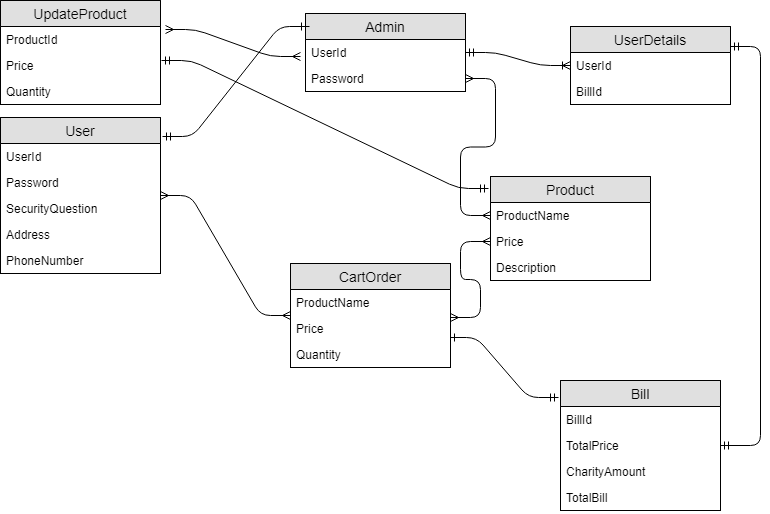
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**Sell Item Page:**

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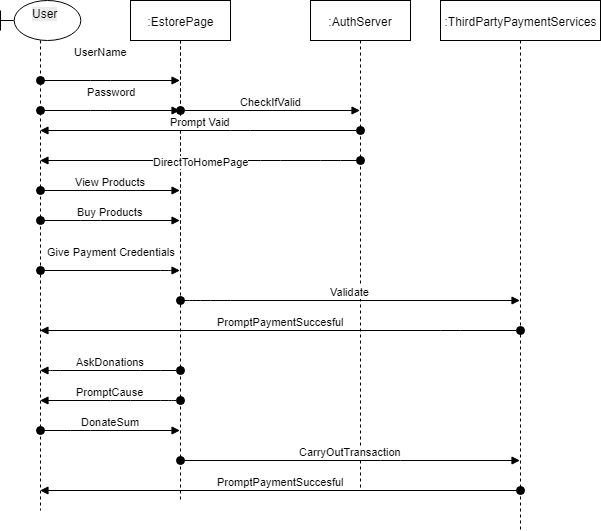
**4.2.5 Navigational Paths :**

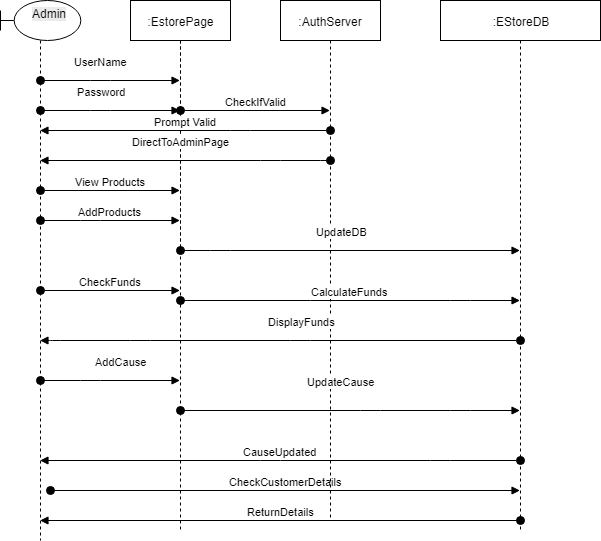
On load of page User will be navigated to Login Page. If User is not registered he can register using sign up link . Once user clicks on sign up link user will be navigated to sign up page. Once user registers using signup page he will be navigated to login page. Once user login to system using login credentials user will be navigated to home page . If user adds products to cart and clicks on cart , User will be navigated to Purchase page. If user want to sell any used products he will click on Sell Items link, User will be navigated to Sell your product page.

**4.3 Object Model : **

**4.4 Dynamic Models :**

**4.4.1 Interaction/sequence models :**

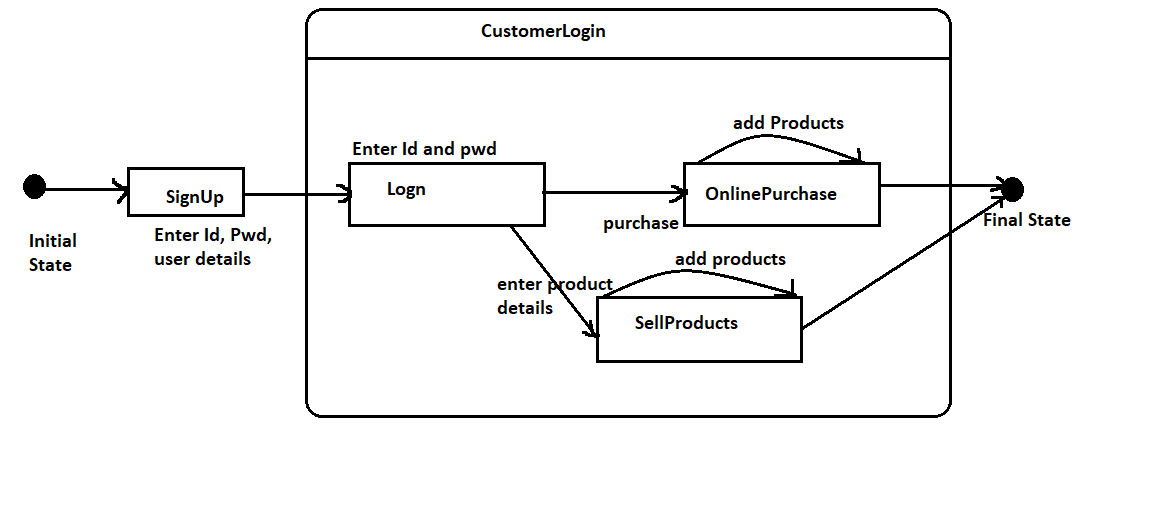




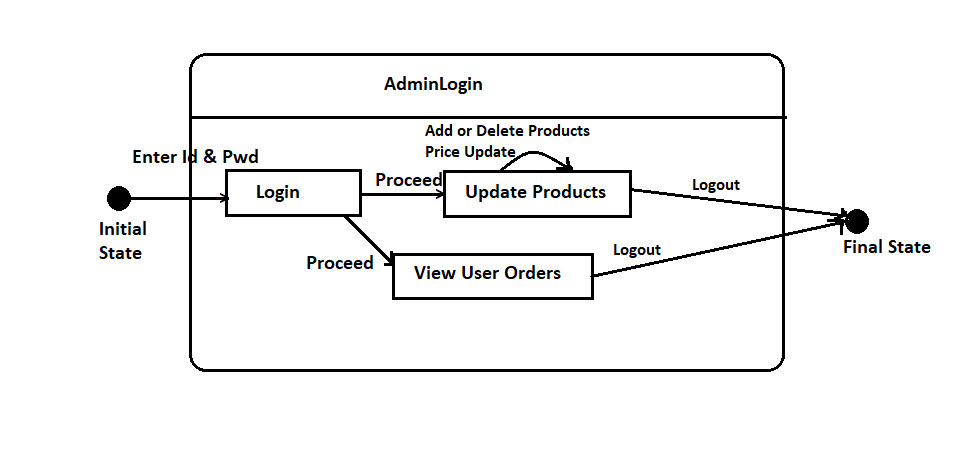
**4.4.2 State Models** :

UML statechart diagrams of eStore are

**User Login State Diagram:**

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**Admin Login State Diagram:**

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**Online Purchase State Diagram:**

