Use Case Description Document
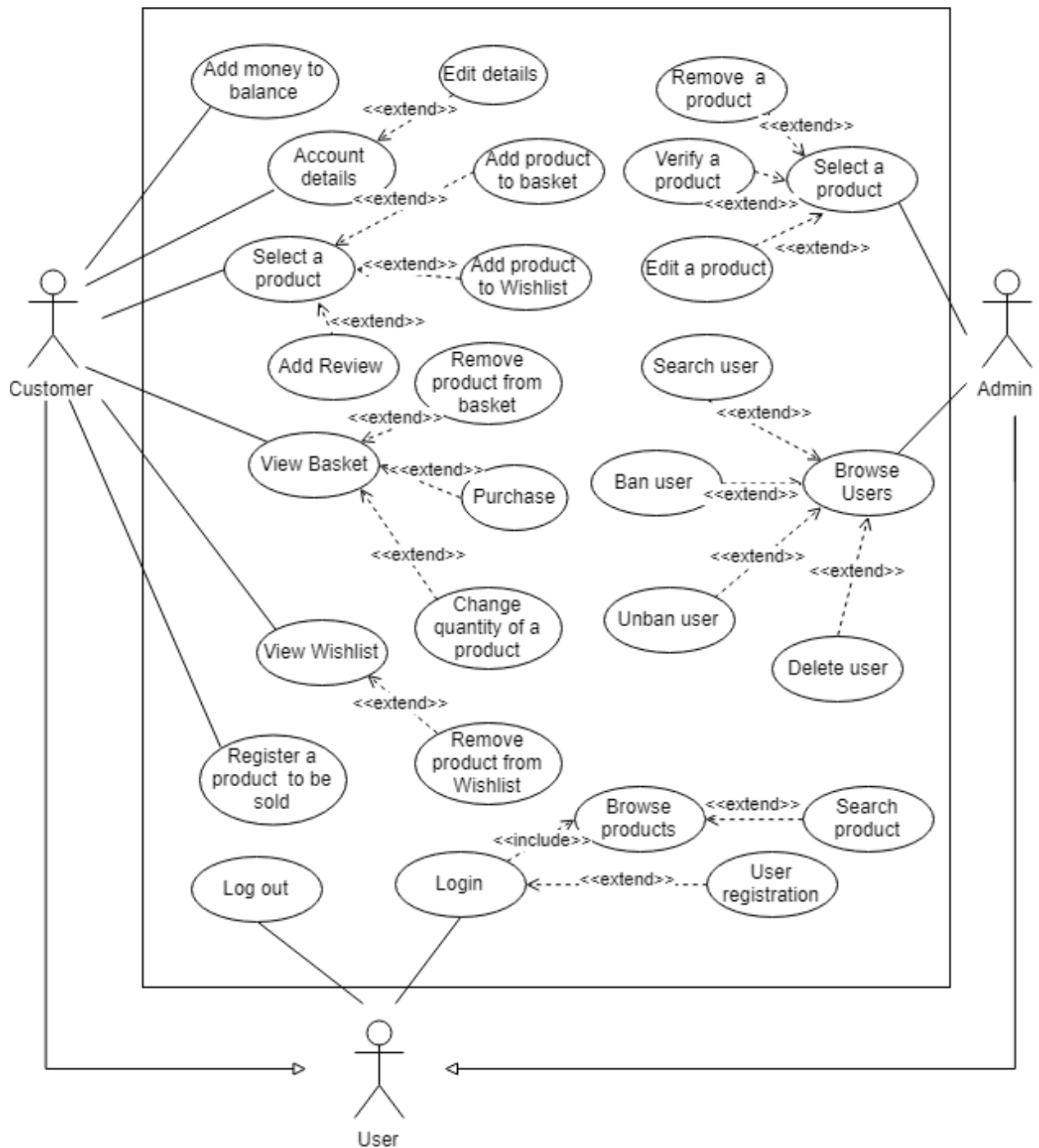
1 Use Case Descriptions

Name	Login
Description	Enables a user to log into the system with a valid username and password
Pre-condition	Entered login details must match the username and according password found in the database
Actors involved	User (admin or customer)
Scenario 1	User enters correct login details
Description	1: customer enters correct details 2: system calculates whether the user is an admin or user 3: The system performs "Browse product" use case and displays a list of products that can be filtered
Post-condition	System displays the list of products upon signing in, and calculates whether the user is an admin or user
Scenario 2	User enters incorrect login details
Description	1: customer enters incorrect details 2: System prompts user to reenter details or register an account
Post-condition	Nothing happens since incorrect details have been entered
Scenario 3	User selects register a new account (user registration)
Description	1: User inputs details into fields 2: System validates fields 3: if validation passes, add new account details to database 4: go back to Scenario 1 and log in with correct details
Post-condition	System displays the list of products upon signing in, and calculates whether the user is an admin or user

Name	Log out
Description	Allows the user to log out
Pre-condition	User must be already logged in
Actors involved	User (admin or customer)
Scenario 1	User presses log out button
Description	1: User logs out 2: System goes to main login interface
Post-condition	User taken to main login interface, will be prompted to sign in again.

Name	Browse Products
Description	Interface that displays a list of products
Pre-condition	User must be signed in
Actors involved	User (admin or customer)
Scenario 1	Searching for product
Description	1: User logs in 2: interface displays a list of products 3: The system optionally performs "Search product" use case allowing the user to search for specific products using a search bar
Post-condition	Filter list of products depending on searched result
Scenario 2	Searching product
Description	1: User searches for product 2: A list of product's names that contains the string the user searched for will be listed
Post-condition	Filter list of products depending on searched result

Name	View Basket
Description	Interface that displays the user's basket
Pre-condition	User type must be customer
Actors involved	Customer
Scenario 1 Description	User view's their basket
	1: Customer logs in 2: Customer selects view basket 3: The system can optionally perform "Remove product from basket" use case for products in the basket 4: The system can optionally perform the "Purchase" use case which allows the user to purchase all the items. The system will then update the user's balance 5: The system can optionally perform "Change quantity of a product" use case
Post-condition	
Scenario 2 Description	Remove product from basket use case
	1: Customer selects a product in the basket to be removed 2: System updates the Customer's basket and database 3: System updates the basket total cost
Post-condition	Filter list of products depending on searched result
Scenario 3 Description	Purchase use case
	1: Customer selects buy now 2: System subtracts basket's total cost from customer's balance 3: System records user's transaction
Post-condition	Database updated
Scenario 3 Description	Change quantity of a product use case
	1: Customer changes quantity of a product in basket 2: System updates the changes to the database
Post-condition	Database updated

Name	View Wishlist
Description	Interface that displays the user's Wishlist
Pre-condition	User type must be customer
Actors involved	Customer
Scenario 1 Description	User view's their Wishlist
	1: Customer logs in
	2: Customer selects view Wishlist
	3: The system can optionally perform "Remove product from Wishlist" use case for products in the Wishlist
Post-condition	User able to view the list of products in their basket and remove items from it.
Scenario 2 Description	Remove a product from Wishlist use case
	1: Customer selects a product in the Wishlist to be removed
	2: System updates the Wishlist and database
Post-condition	Database updated

Name	Register a product
Description	Allows a user to sell a product to be sold
Pre-condition	User type must be customer
Actors involved	Customer
Scenario 1 Description	User adds new product
	1: Customer logs in 2: Customer selects add new product 3: Customer fills in all the fields 4: The system validates the fields 5: Product added to nonverified product data table to be reviewed by admin
Post-condition	Product added to database. The product is needed to be verified by an admin.
Scenario 2 Description	User adds new product with incorrect details
	1: The system fails to validate fields 2: Customer's balance is updated
Post-condition	Product not added to the database, Customer is prompted to reenter the details

Name	Add Money to balance
Description	Allows a user to add money to their account
Pre-condition	User type must be customer
Actors involved	Customer
Scenario 1 Description	User adds money into their account
	1: Customer logs in 2: Customer selects add money 3: Customer fills in their details 4: The system validates fields 5: Customer's balance is updated
Post-condition	Customer's balance gets updated.
Scenario 2 Description	User adds incorrect details into their account
	1: System fails to validate fields 5: Customer is prompted to re-enter correct details
Post-condition	Customer's balance remains the same, Customer is promoted to re-enter correct details

Name	Account details
Description	Allows Customer to view or edit their account details
Pre-condition	User type must be customer
Actors involved	Customer
Scenario 1 Description	Customer reviews their account details
	1: Customer logs in 2: Customer selects Account details 3: The system can optionally perform "Edit details" use case
Post-condition	Account details loaded
Scenario 2 Description	Edit details use case
	1: Customer updates fields 2: System validates fields 3: details updated
Post-condition	Database updated

Name	Select a product (for customer)
Description	When a Customer selects a product
Pre-condition	User type must be customer
Actors involved	Customer
Scenario 1 Description	Customer reviews their account details 1: Customer logs in 2: Customer selects a product 3: The system can optionally perform "Add product to basket" use case 4: The system can optionally perform "Add product to Wishlist" use case 5: The system can optionally perform "Add Review" use case
Post-condition	
Scenario 2 Description	Add product to basket use case 1: Customer selects add product to basket 2: System will add product into the basket
Post-condition	Database updated
Scenario 3 Description	Add product to Wishlist use case 1: Customer selects add product to Wishlist 2: System will add product into the Wishlist
Post-condition	Database updated
Scenario 4 Description	Add Review use case 1: Customer selects add review to product 2: Customer enters rating and comments 3: System adds the review to the product 4: Customer can later edit or remove the review
Post-condition	Database updated

Name	Select a product (for Administrator)
Description	When an Administrator selects a product
Pre-condition	User type must be Administrator
Actors involved	Administrator
Scenario 1 Description	Customer reviews their account details 1: Admin logs in 2: Admin selects a product 3: The system can optionally perform "Remove a product" use case 4: The system can optionally perform "Verify a product" use case. This will verify a product that has yet to be verified.
Post-condition	
Scenario 2 Description	Remove a product use case 1: Admin selects a product to be removed 2: System will remove the product from the database
Post-condition	Database updated
Scenario 3 Description	Verify a product use case 1: Admin selects a product to be verified 2: System will acknowledge the product as verified
Post-condition	Product will be moved to verified product data table

Name	Browse Users
Description	Administrator can browse a list of users
Pre-condition	User type must be Administrator
Actors involved	Administrator
Scenario 1 Description	Customer reviews their account details
	1: Admin logs in 2: The system can optionally allow the user to perform the use case "Search user" 3: The system can optionally perform "Ban user" use case, once the user has selected a user 4: The system can optionally perform "Unban user" use case, once the user has selected a user 5: The system can optionally perform "Delete user" use case, once the user has selected a user
Post-condition	
Scenario 2 Description	Ban user use case
	1: Admin can select a user to be banned 2: System will mark the customer as banned 3: The customer will no longer be able to log in
Post-condition	Database updated
Scenario 3 Description	Unban user use case
	1: Admin can select a user to be unbanned 2: System will unmark the customer as banned 3: The customer will be able to log in again
Post-condition	Database updated
Scenario 4 Description	Delete user use case
	1: Admin can delete the selected user 2: The system will remove the user from the database
Post-condition	Database updated
Scenario 5 Description	Search user use case
	1: Admin can search for a user 2: The system will filter the list of customers by checking if customer's username contains the searched string
Post-condition	Database updated