



Group AD

Ecommerce Website



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Motivation

The ecommerce or electronic commerce business model enables organizations and individuals to buy and sell goods and services over the internet.

To better understand this business model, our team has decided to develop a fully functional ecommerce website as the project for this course.



For this project

We aims to create a fully functional and user-friendly ecommerce website focused on selling electronic products on a small scale

We will not have to pay any commission fees on product sales

We will also have full control over the website's design and content.

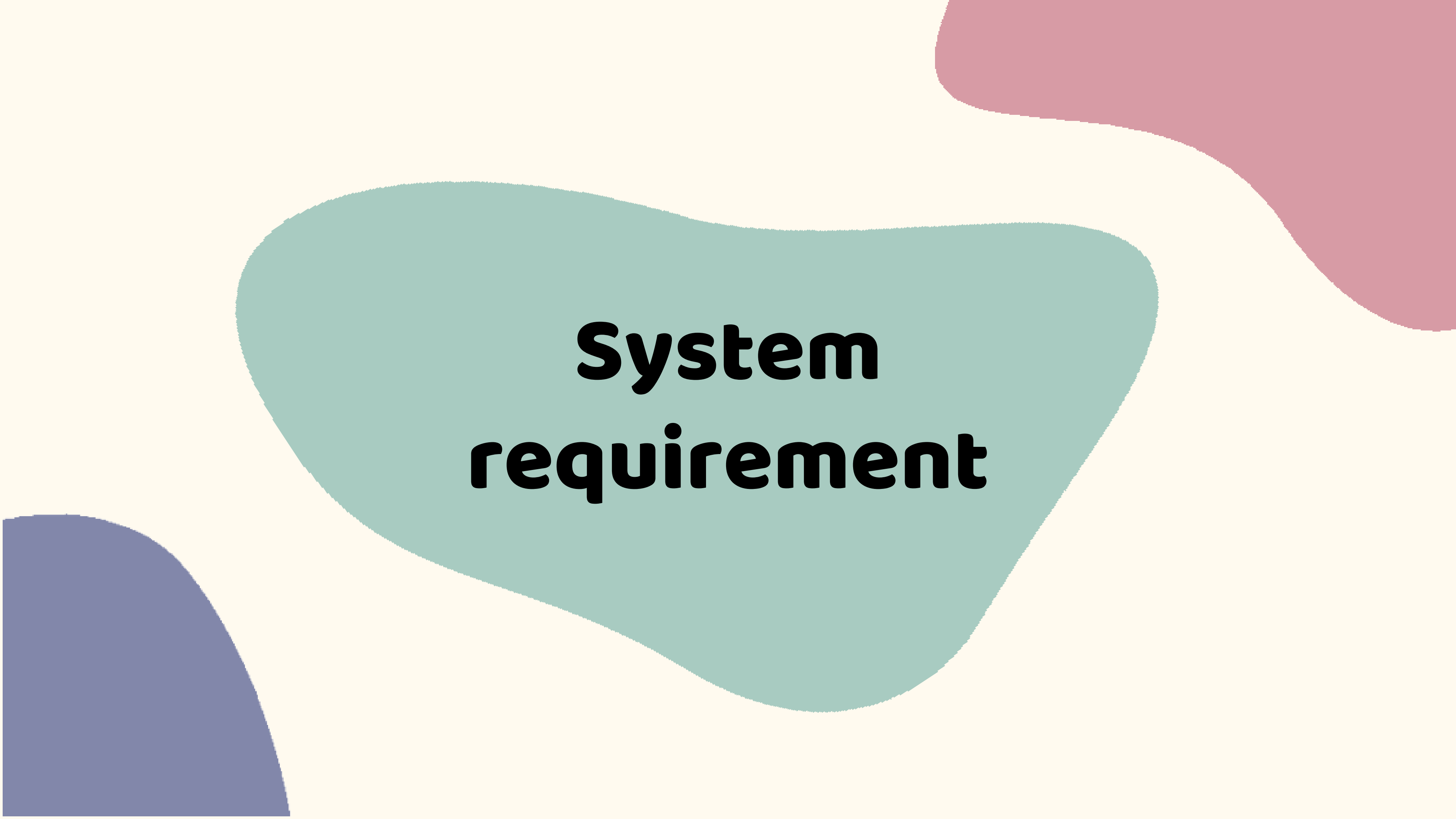


Scope of the project

The core functionalities found in other similar ecommerce platforms:

- **Order processing**
- **Admin panel for data management**
- **User registration and authentication**
- **Real-time updates**
- **Filtering and sorting of products**
- **Shopping cart, checkout, wishlist, and user profile features**



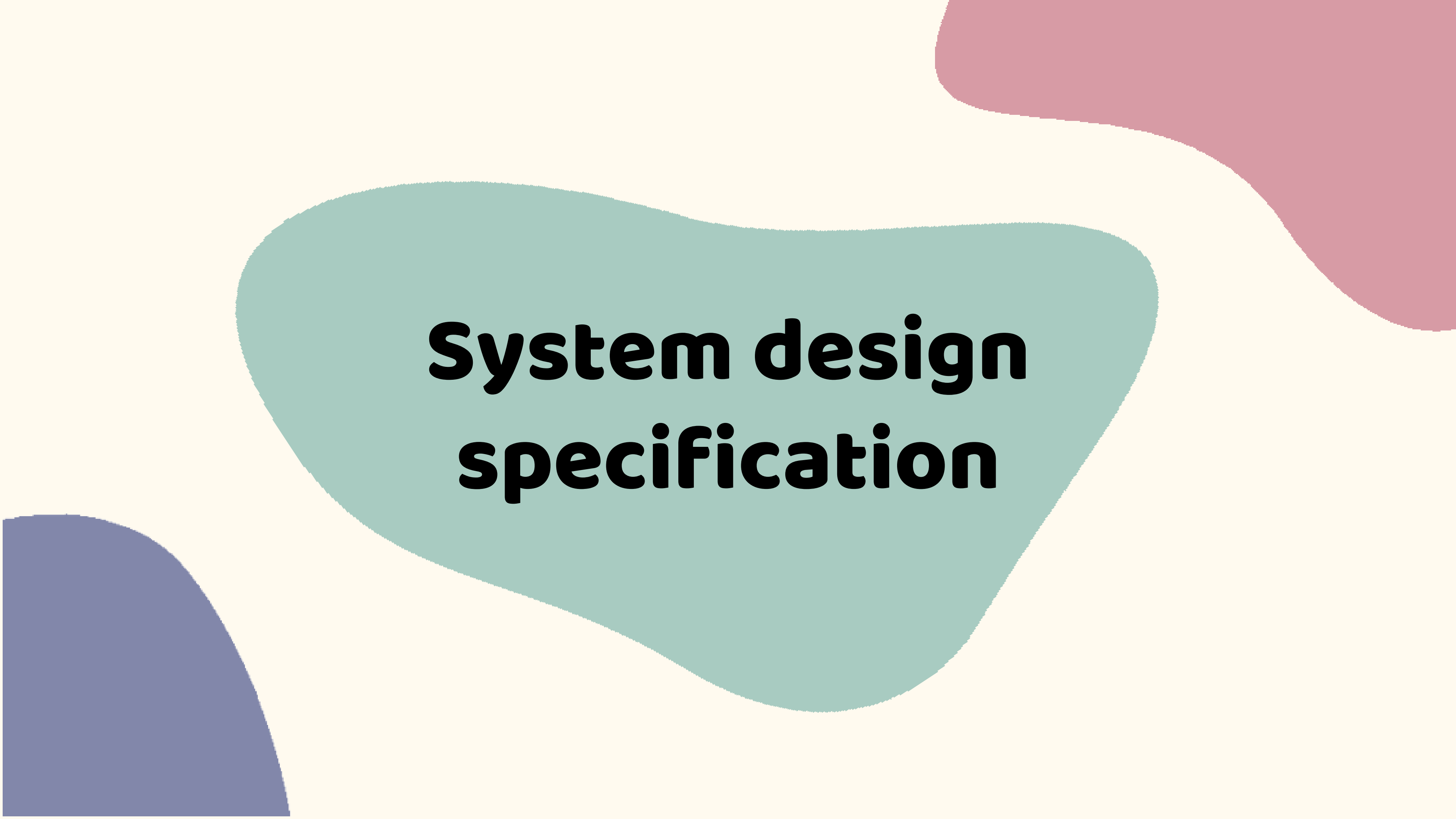


System requirement

Functional requirement

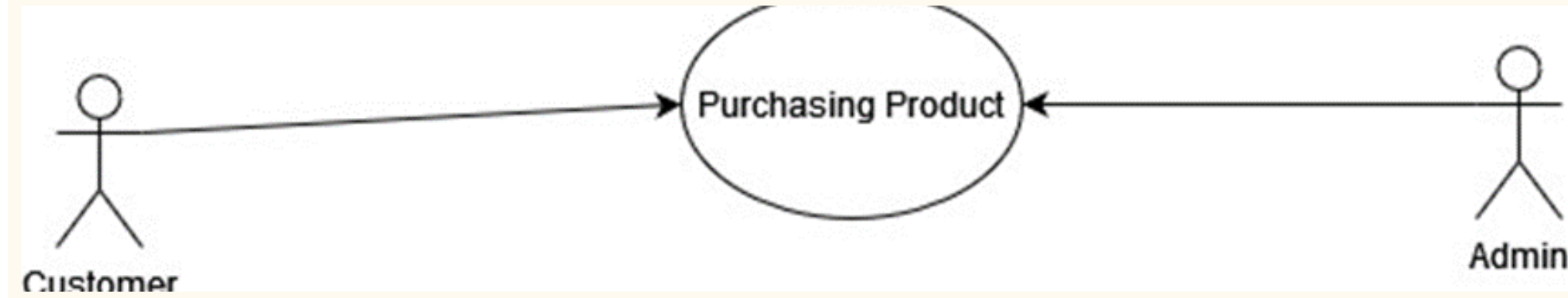
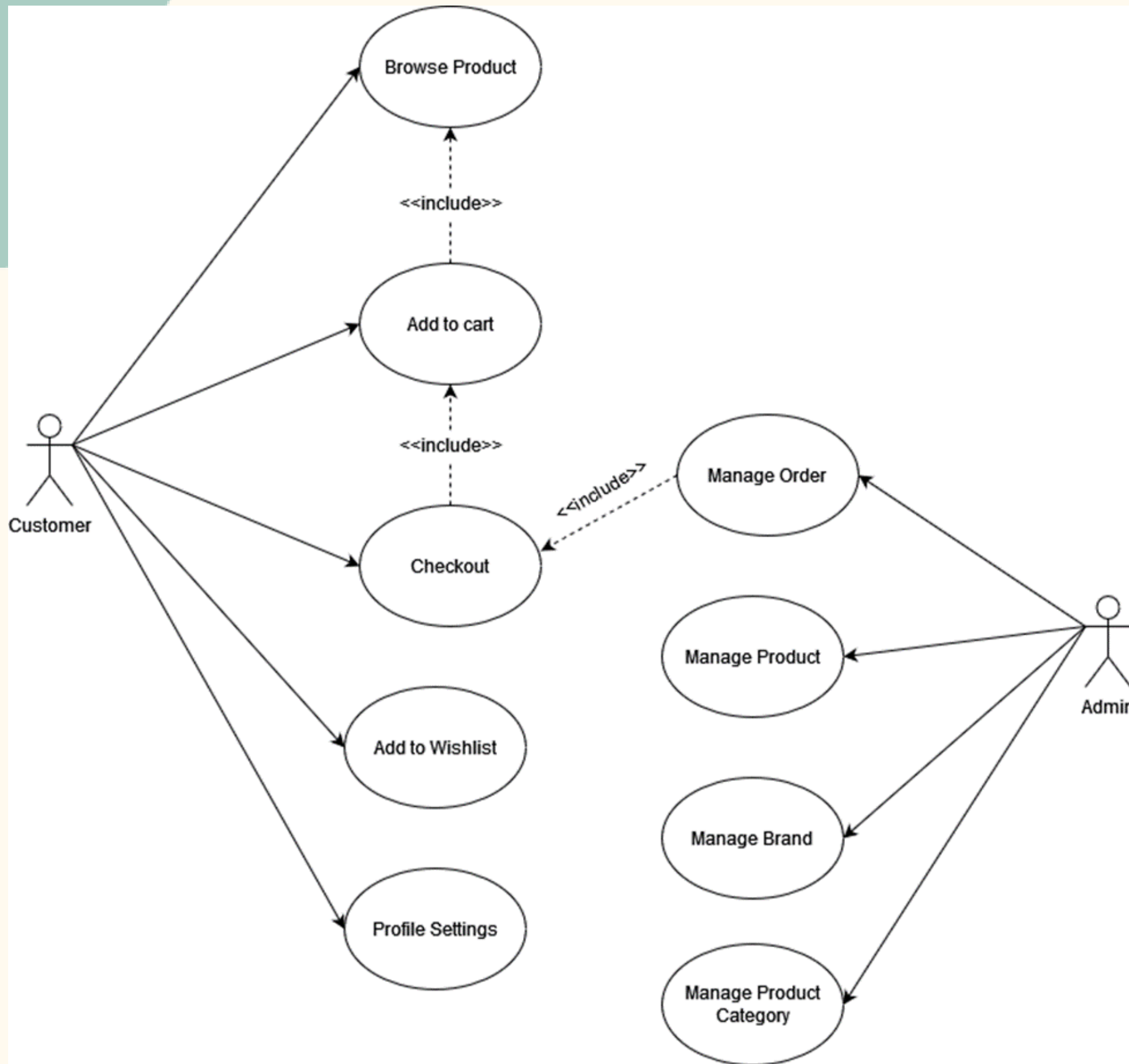
- 1. Listing product to the front-end**
- 2. Setting Pages**
- 3. Shopping cart**
- 4. Checking out**
- 5. Sorting, filter product by price and brands**
- 6. Login, Logout, Register**
- 7. Wishlist**
- 8. Admin Panel**
- 9. Product Pages**



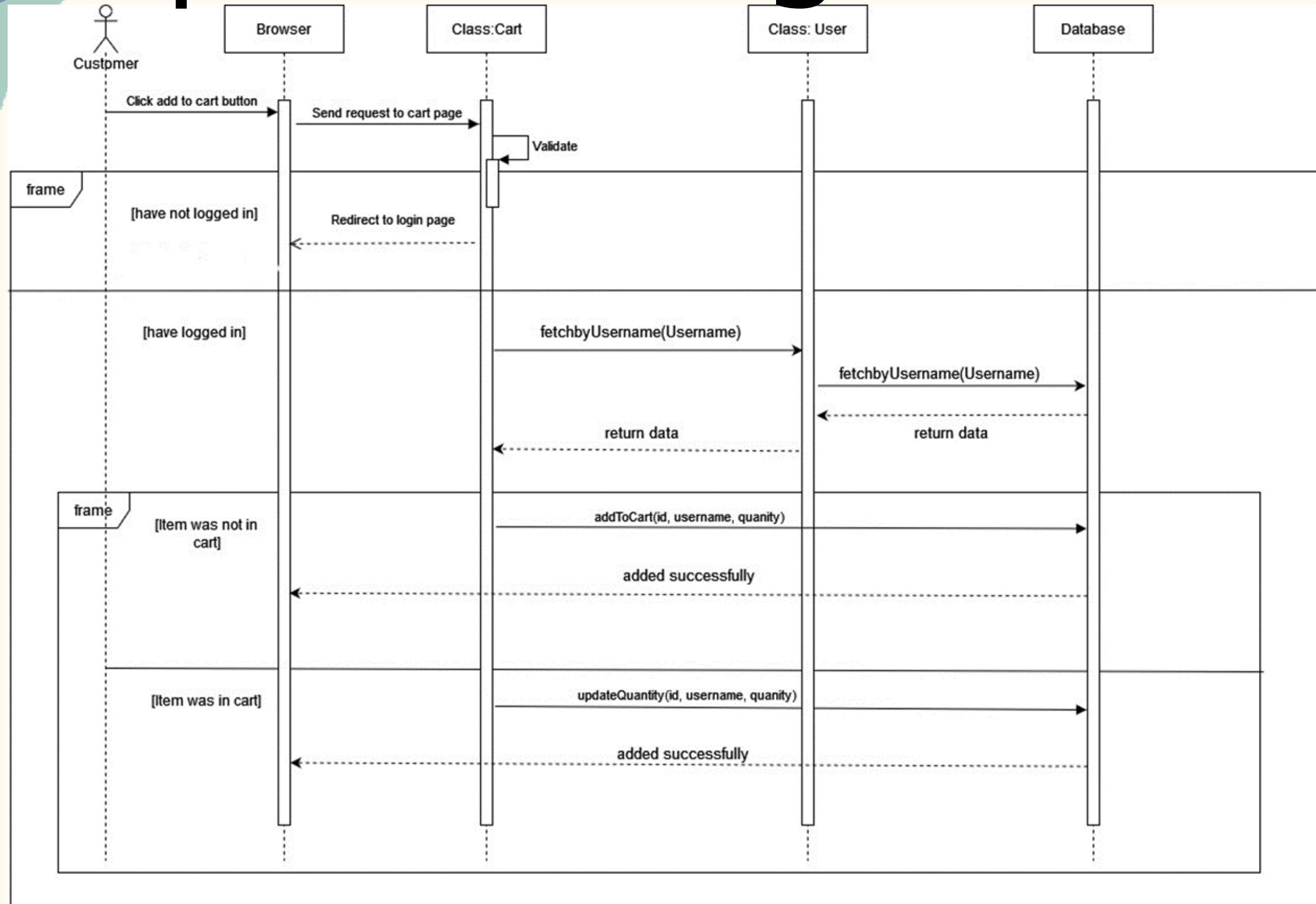


System design specification

Use case diagram



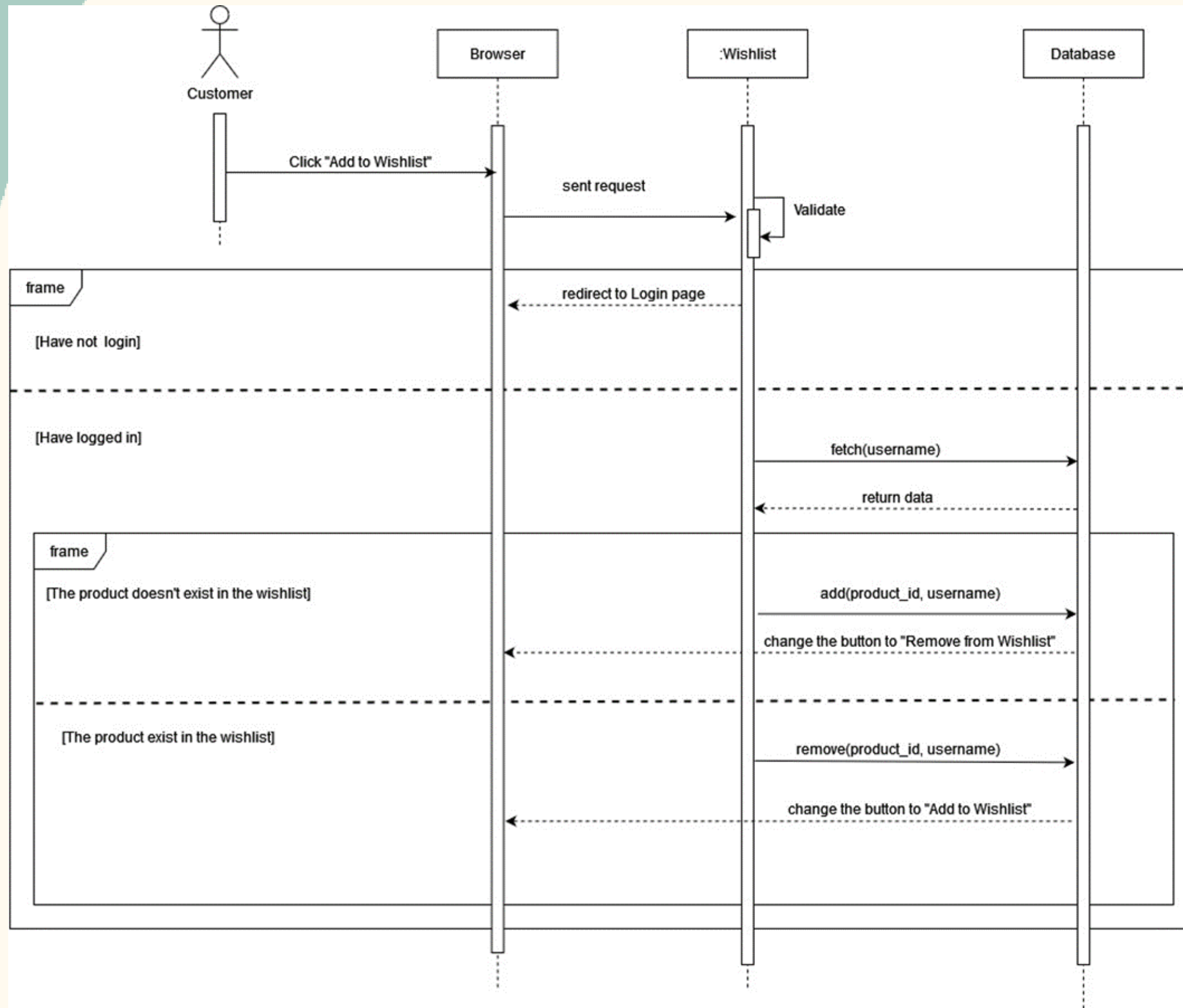
Sequence diagram -1



Adding
product
to cart



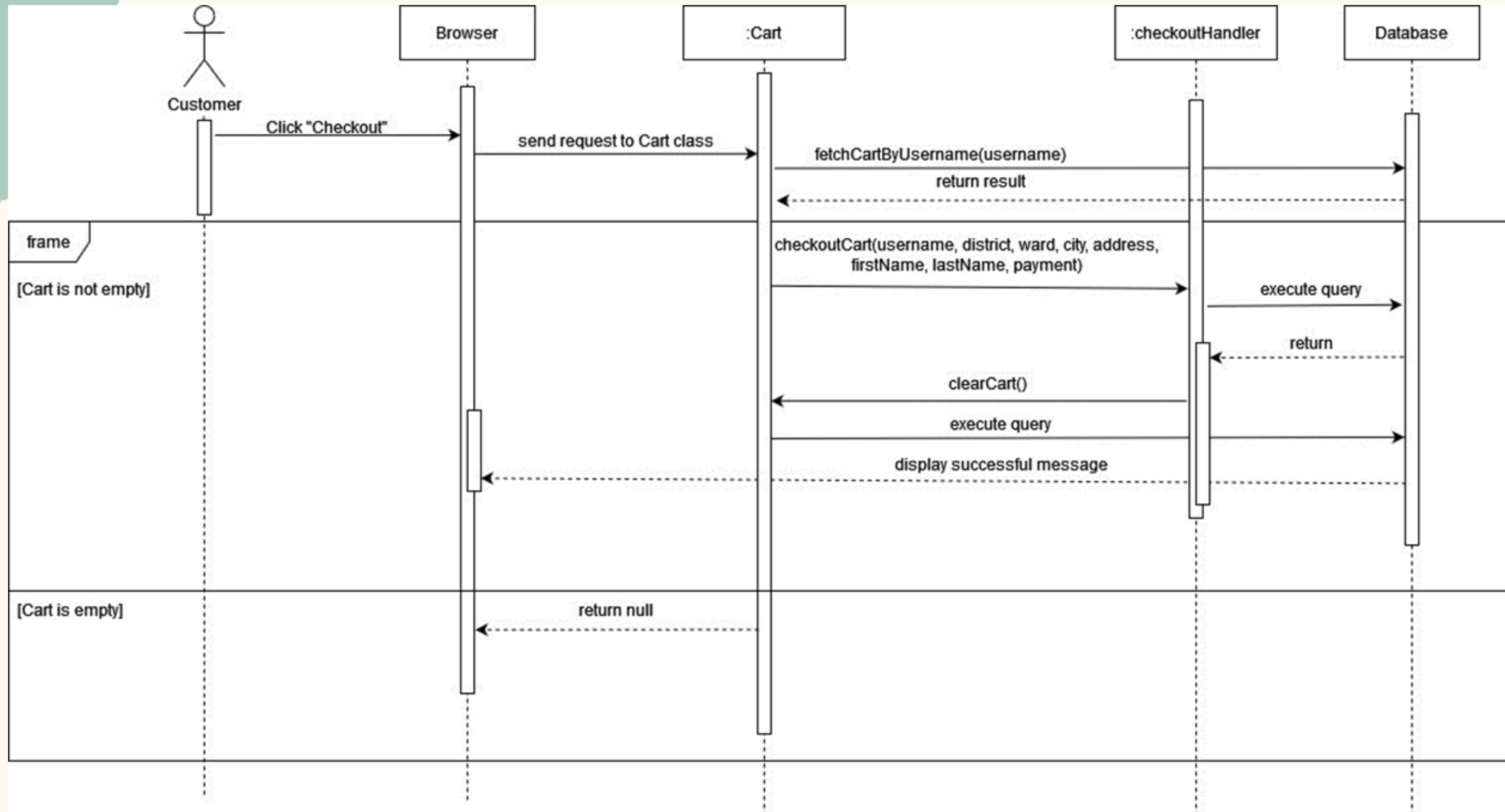
Sequence diagram -2



Adding
product to
wishlist



Sequence diagram -3

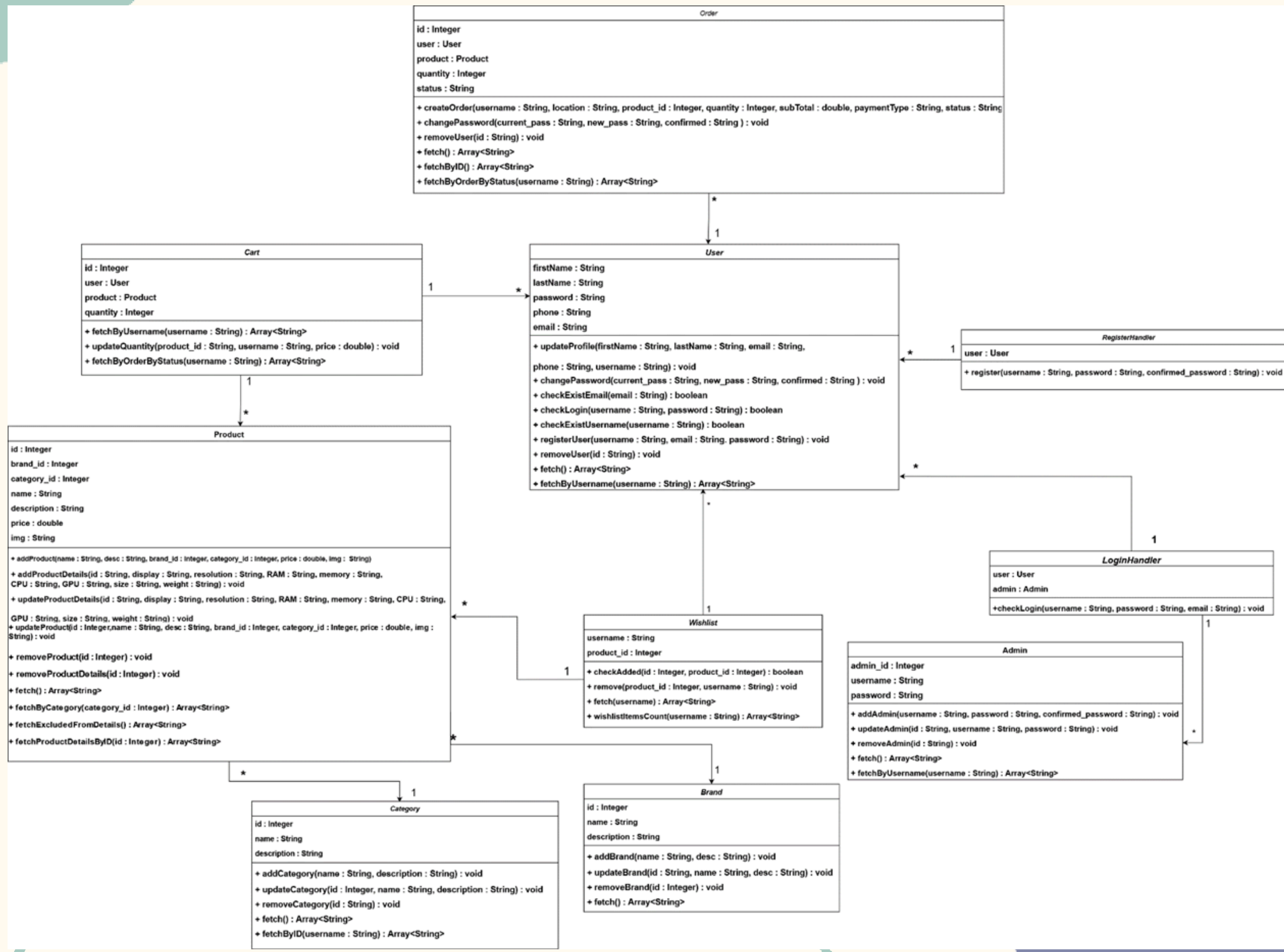


Checkout

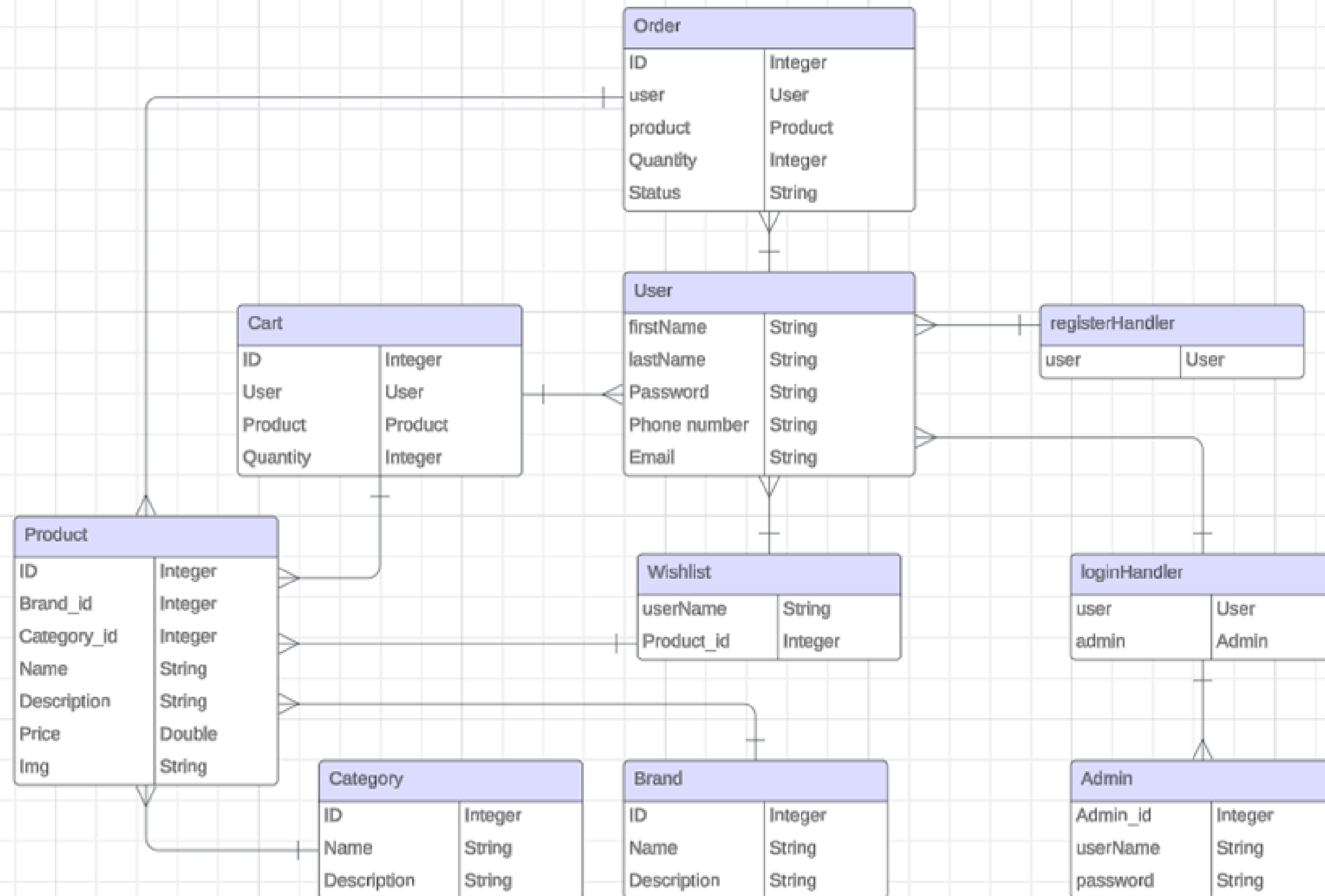


Class diagram

- User
- Admin
- Order
- registerHandler
- loginHandler
- Category
- Brand
- Wishlist
- Cart
- Product




Entity relationship diagram





DEMO



Conclusion & Discussion

Future works

- **Product discounts: coupons, discount deals, ...**
- **Customer support: Chatbox, product report, handling return items, ...**
- **Product reviews.**
- **Improve Administrator Panel: add dashboards, better UI, ...**
- **Improve website responsiveness**
- **Shopping without login.**





Q&A



**Thank you
for listening!**