Project description

Title: Servo

Description: Servo app aims to make it possible for users to place orders for their desired speaker. Users can add or remove items from their shopping cart and then make the purchase. Users will also be able to add reviews on their purchases to help other users. The owner of the app will have an overview of the products and be able to add, edit or remove a product.

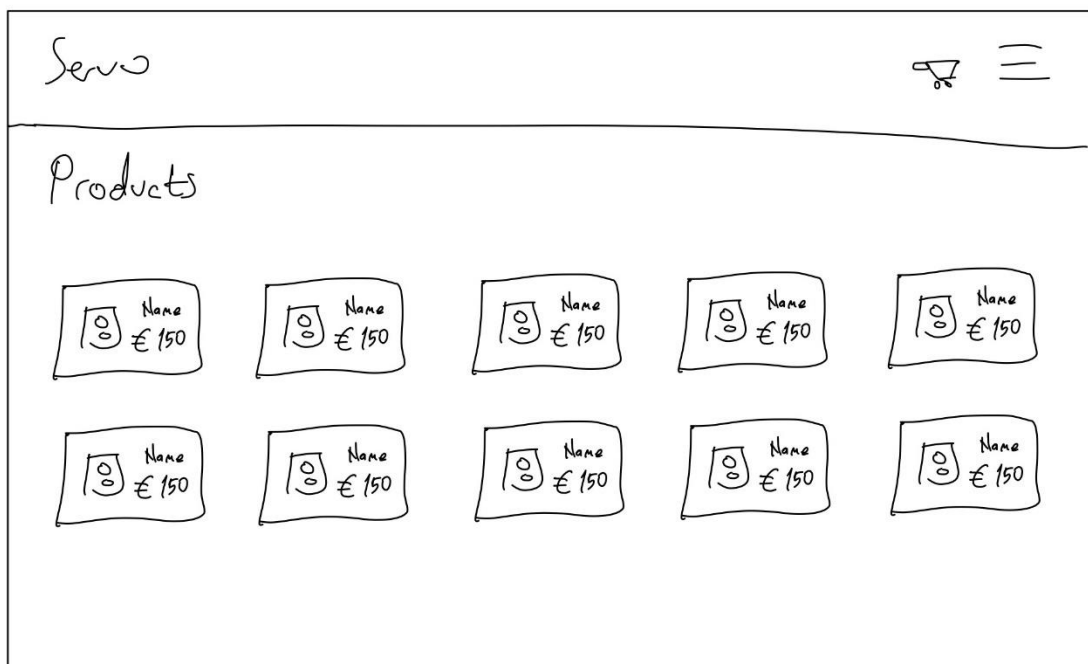## Contents

User Stories

Story - Overview products

As a user

I'm able to get a list of products

So that I can see what they have to offer.

Wireframe

Acceptance Criteria

- A list of products with their name and price tag.
- Show availability.
- A warning to warn the user if the product is not available or if it is out of stock
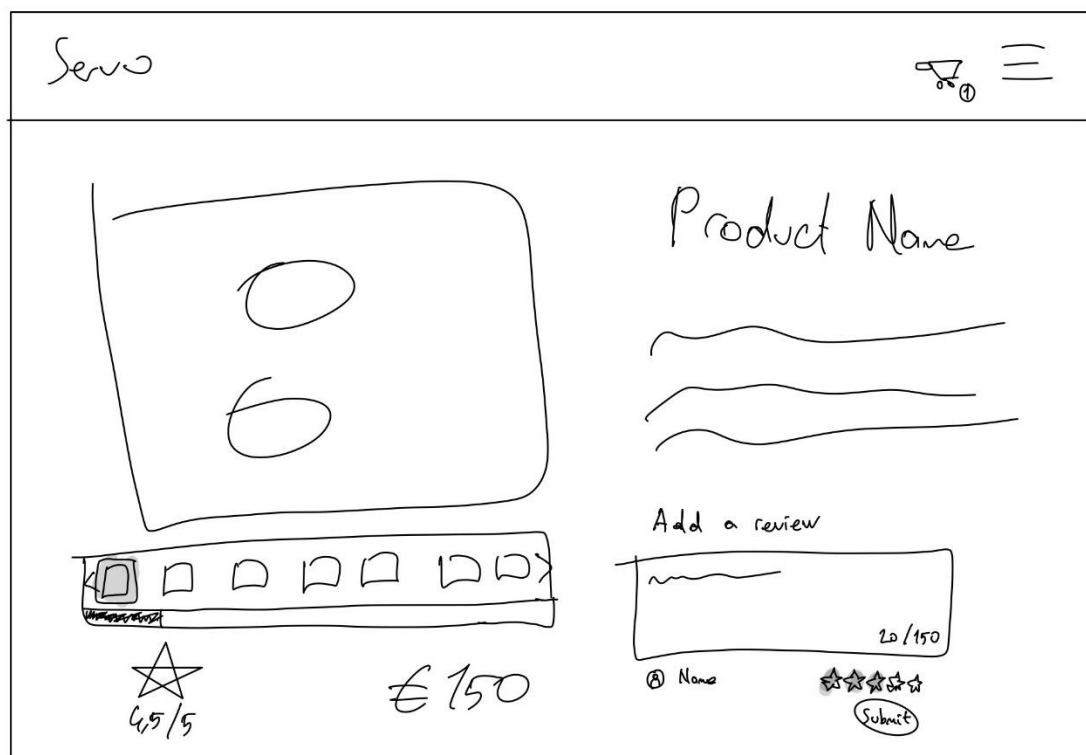
Story – Writing a Review

As a user

I'm able to write a review on a product that I have purchased

So that I can share my experiences with that product.

Wireframe

Acceptance Criteria

- The user must be able to access the product page for any speaker they purchased.
- There must be a "Write a Review" button that allows the user to submit feedback.
- The review form must include text input for comments and a star rating system (e.g., 1-5 stars).
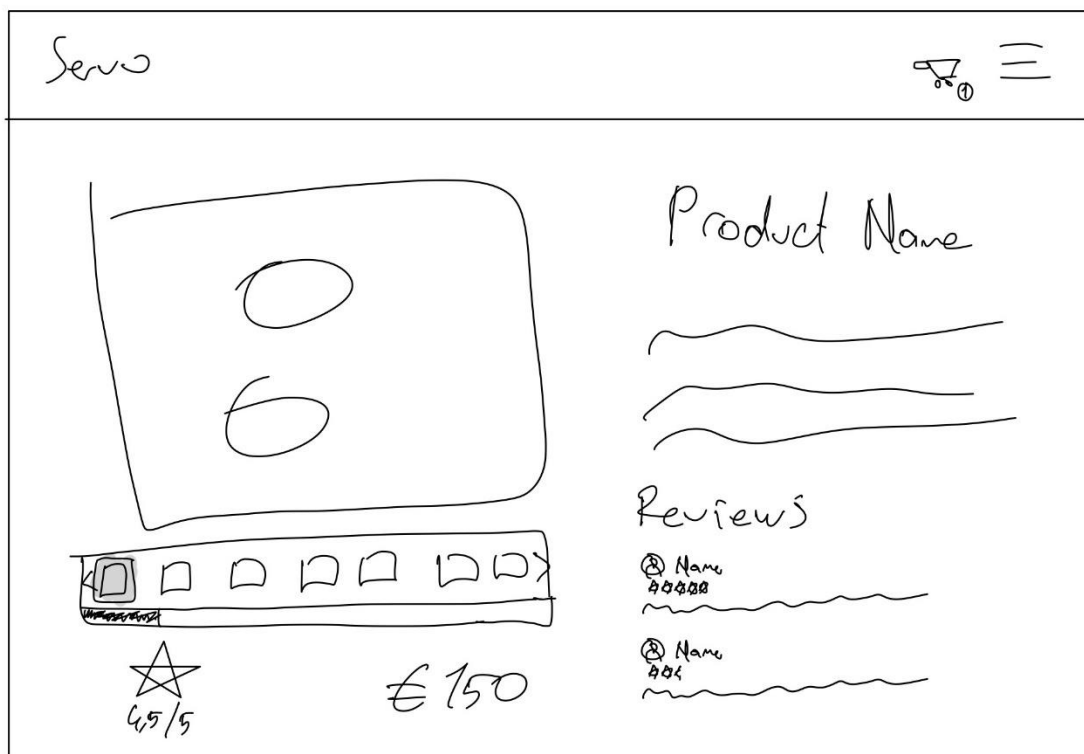
Story – Viewing Reviews

As a user

I want to see the reviews of products before I purchase them

So that I can have an idea of other people's experiences.

Wireframe

Acceptance Criteria

- The product page must display user reviews beneath the product details.
- Each review should include the reviewer's star rating (e.g., 1-5 stars), written feedback, and the date of submission.
- The user must be able to see the total average star rating for the product.
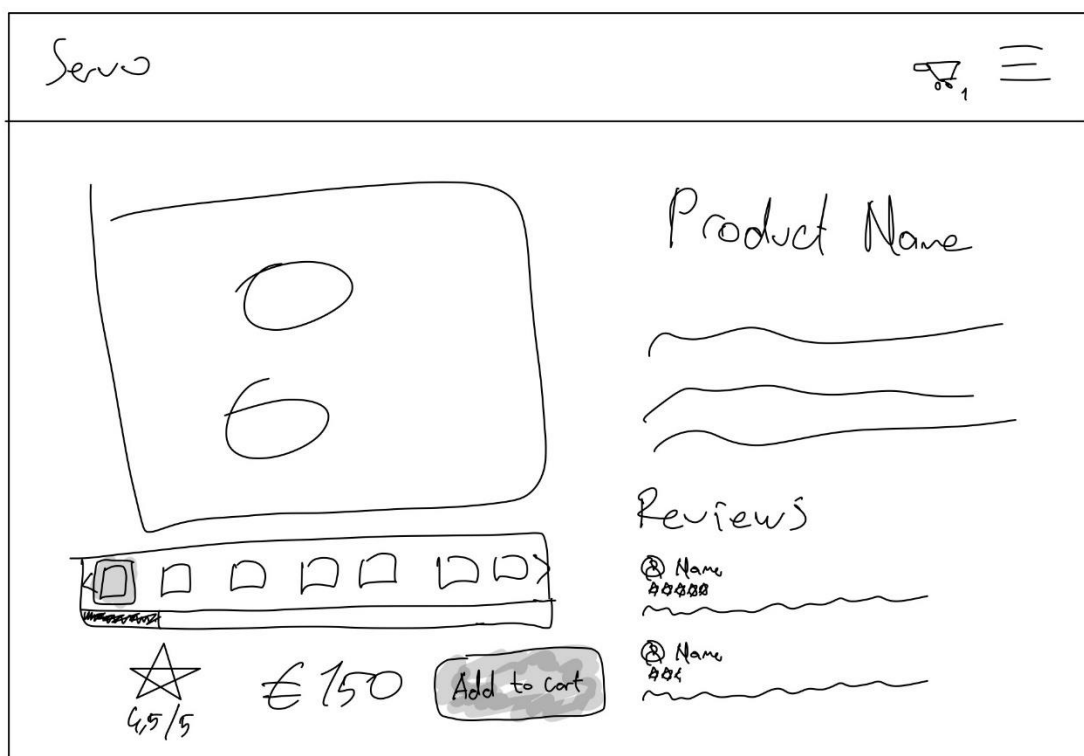
Story - Add items to cart

As a user

I want to add a product to my shopping cart

So that I can purchase it later.

Wireframe

Acceptance Criteria

- The user must be able to select a speaker from the product list.
- The user must be able to click an "Add to Cart" button to add the selected speaker.
- After adding, the item should appear in the shopping cart with correct details (name, price, quantity).
- A confirmation message should appear notifying the user that the item was added successfully. The cart should update its total price after an item is added.
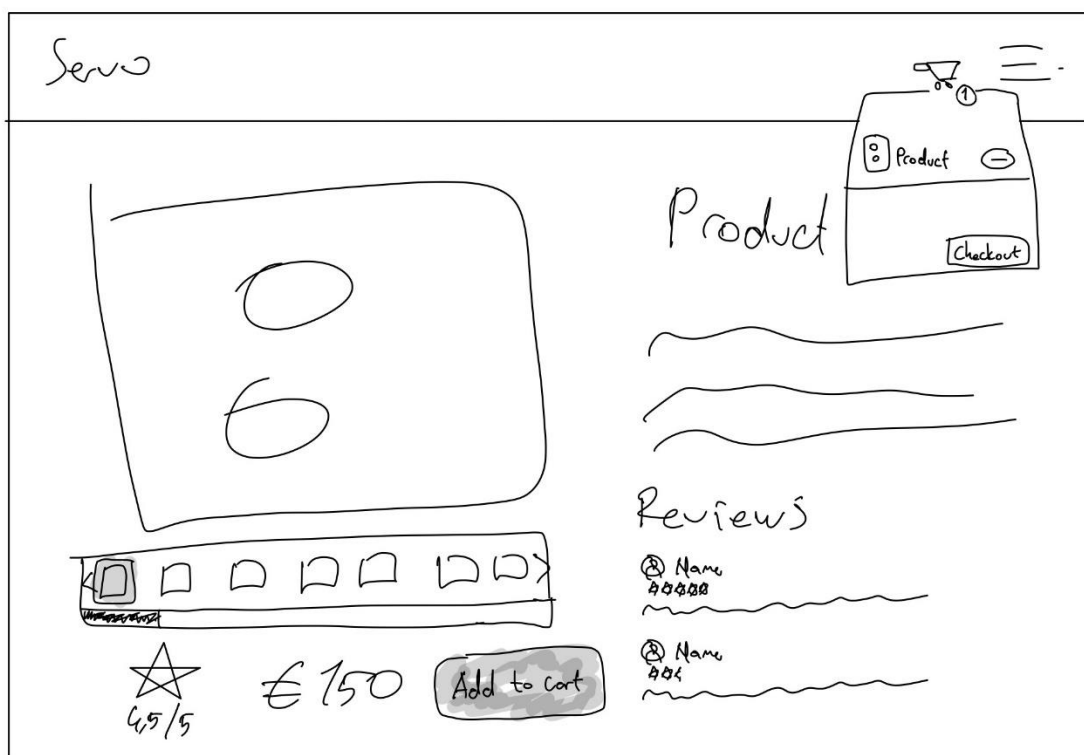
Story – Remove items from cart

As a user,

I want to remove a speaker from my shopping cart,

So that I can only buy the items I need.

Wireframe

Acceptance Criteria

- The user must be able to view the items in their shopping cart.
- There must be an option (e.g., a "Remove" button) next to each item in the cart.
- Clicking "Remove" should delete the item from the cart.
- The cart's total price should update after an item is removed.
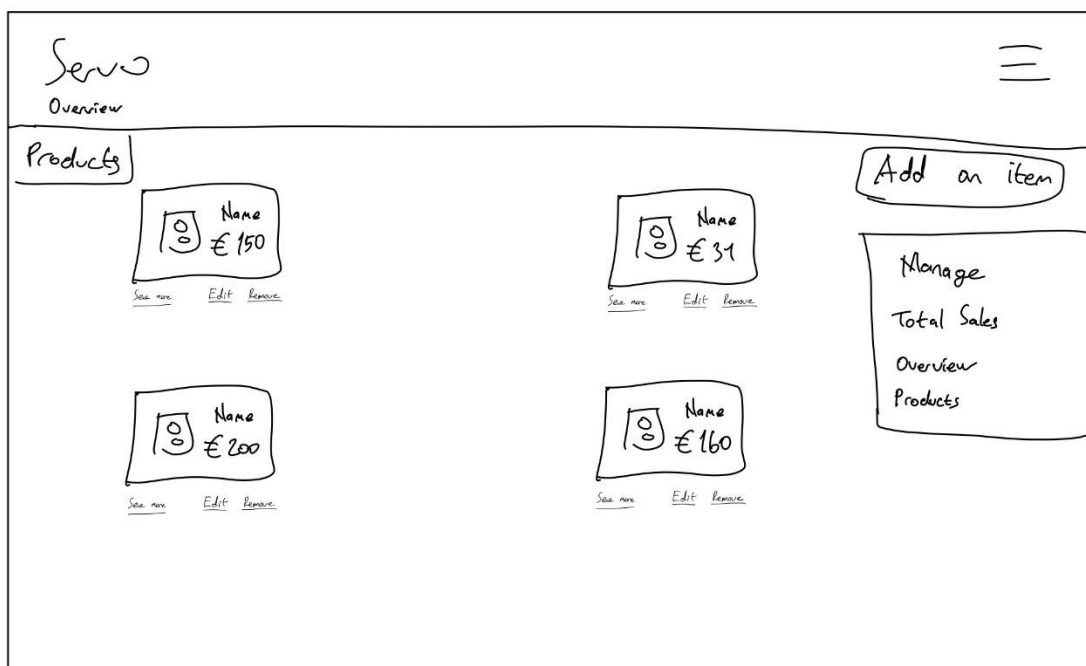- A confirmation message should appear indicating the item was removed.

Story – View Product Overview (owner)

As the app owner,

I want to have an overview of all the products,

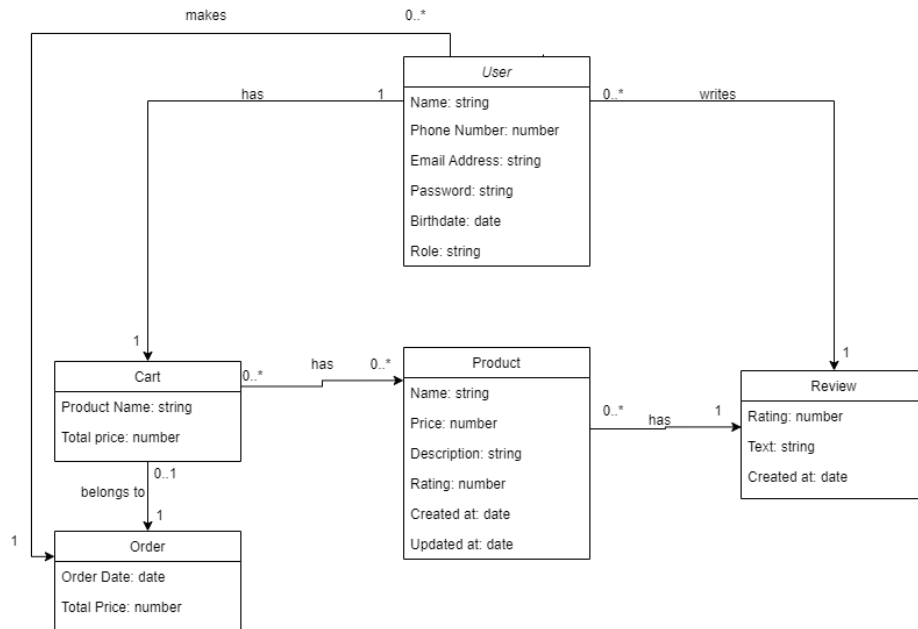so that I can manage my inventory and track sales.

Wireframe

Acceptance Criteria

- The app owner must have access to a dashboard that lists all available speakers.
- Each product in the overview should display details such as name, price, stock quantity, and total sales.
- The dashboard must be restricted to authorized users (i.e., app owner or admins).
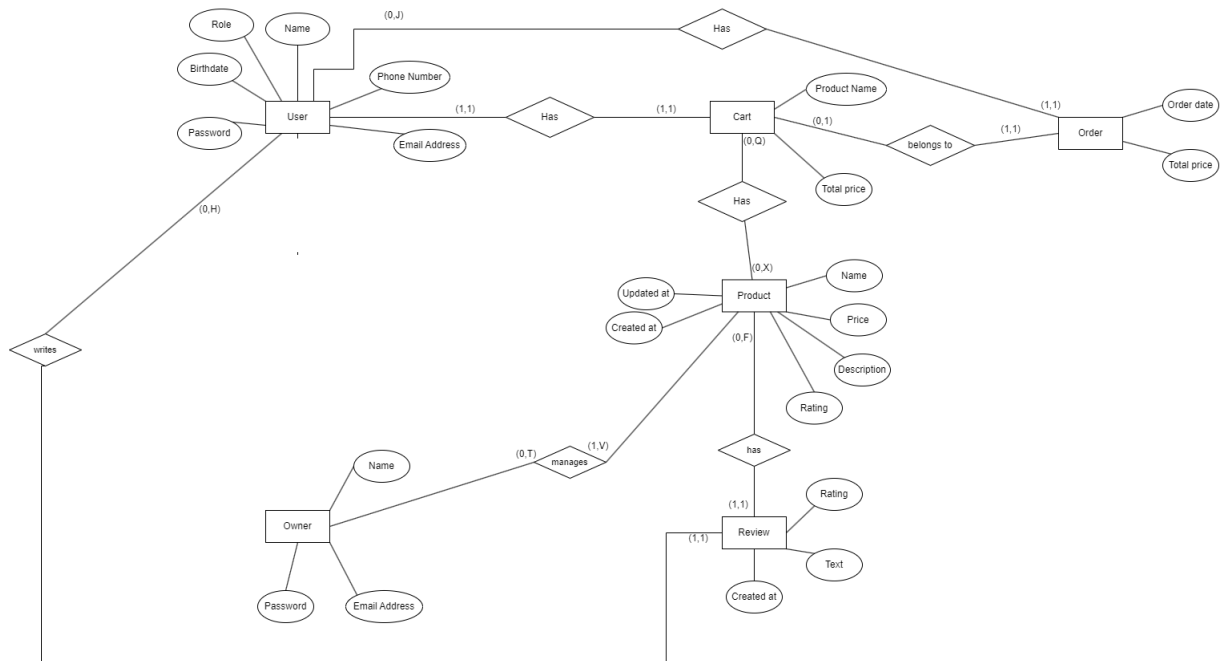
Domain Model

makes   0..*

User

Name: string

Phone Number: number

Email Address: string

Password: string

Birthdate: date

Role: string

has   1

0..*   writes

Cart

Product Name: string

Total price: number

has   0..*

Product

Name: string

Price: number

Description: string

Rating: number

Created at: date

Updated at: date

0..*   has   1

Review

Rating: number

Text: string

Created at: date

belongs to

Order

Order Date: date

Total Price: number

Database Models

Conceptual Model

Logical Model