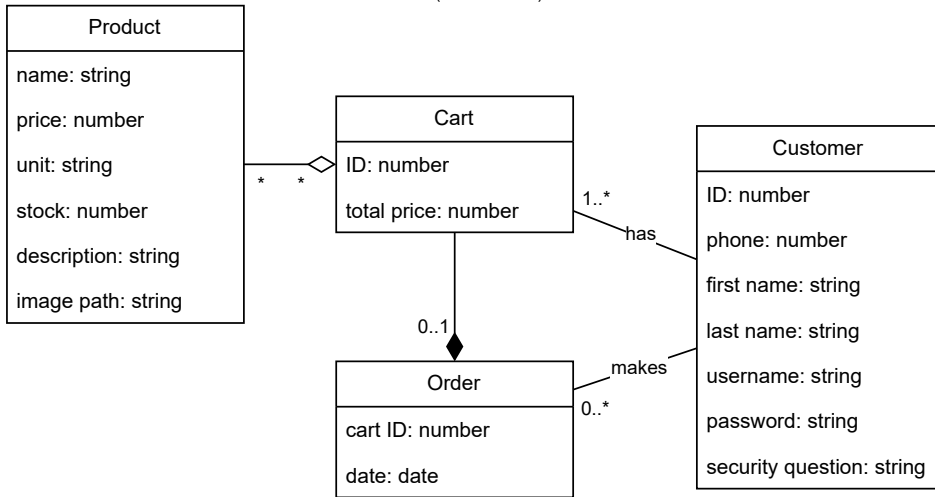# Project Description

Title: VESO

Description: Veso is an application that aims to facilitate grocery shopping for customers. It eliminates the disadvantage of crowded supermarkets — A customer can place an order from the comfort of his/her home.

Domain Model

VESO (Online Store)

Product

name: string

price: number

unit: string

stock: number

description: string

image path: string

Cart

ID: number

total price: number

* *

1..*

has

Customer

ID: number

phone: number

first name: string

last name: string

username: string

password: string

security question: string

0..1

Order

cart ID: number

date: date

makes

0..*

Notes: 1.) * cardinality means 0..*   2.) No cardinality means 1..1   3.) Data types are added, because the example in assignment's instruction also has it.

Reading example: A customer makes 0 or many orders; An order is made by minimum 1 and maximum 1 customer.
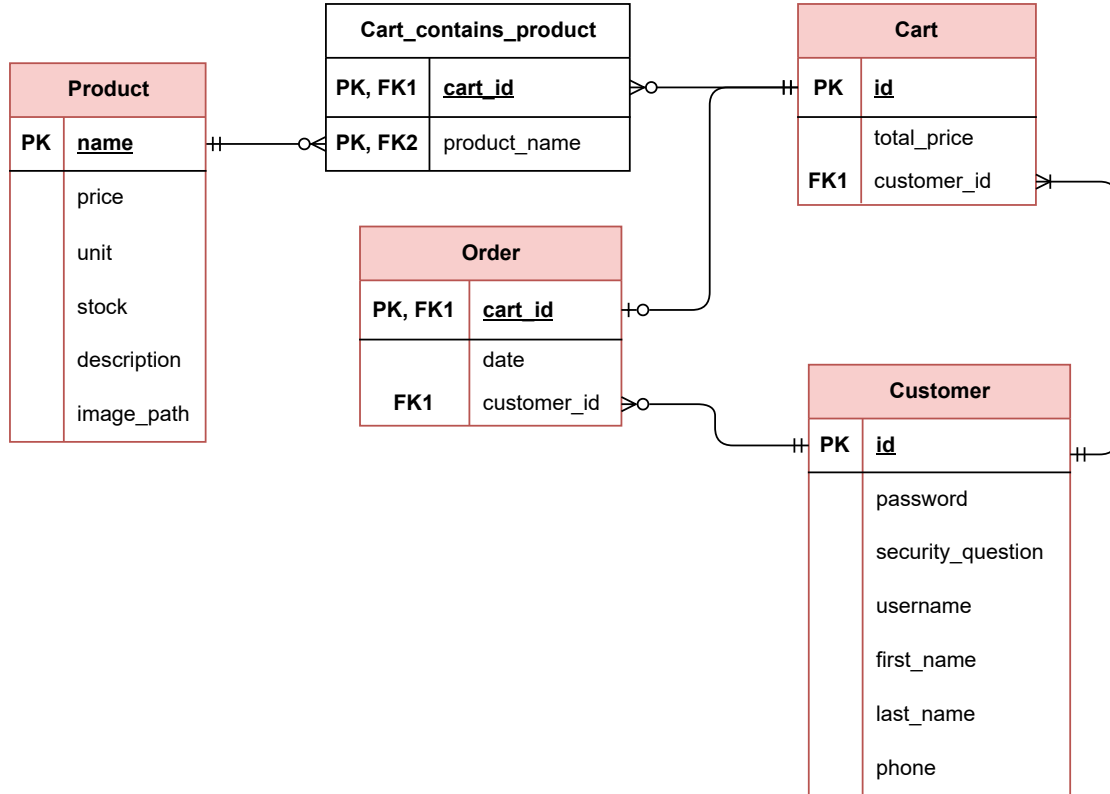
Conceptual Model
VESO (Online Store)
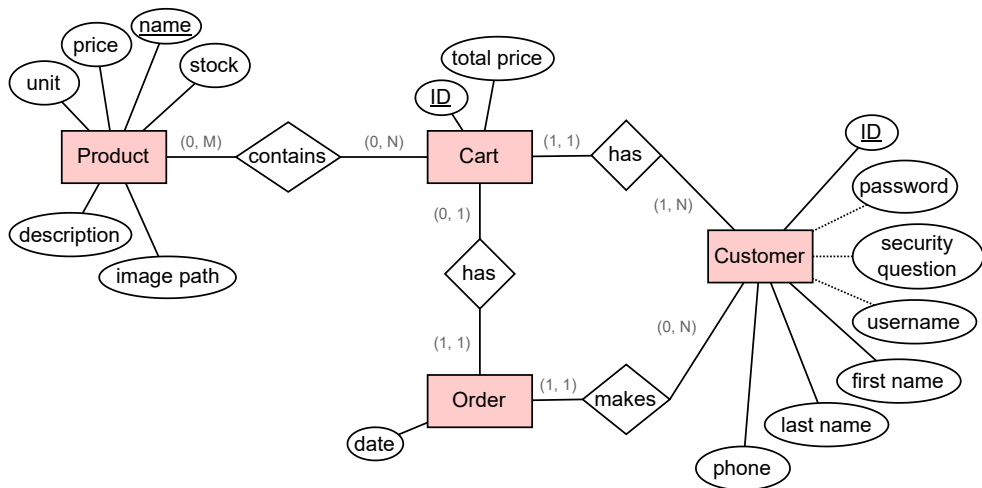
Reading example: A cart contains 0 to N products; A product can be contained in 0 to M carts.

Logical Model
VESO (Online Store)

Product

PK	name
	price
	unit
	stock
	description
	image_path

Cart_contains_product

PK, FK1	cart_id
PK, FK2	product_name

Cart

PK	id
	total_price
FK1	customer_id

Order

PK, FK1	cart_id
	date
FK1	customer_id

Customer

PK	id
	password
	security_question
	username
	first_name
	last_name
	phone

Story: See Products

As a user,
I want to see shop products,
so that I can later choose and buy them.

Wireframe
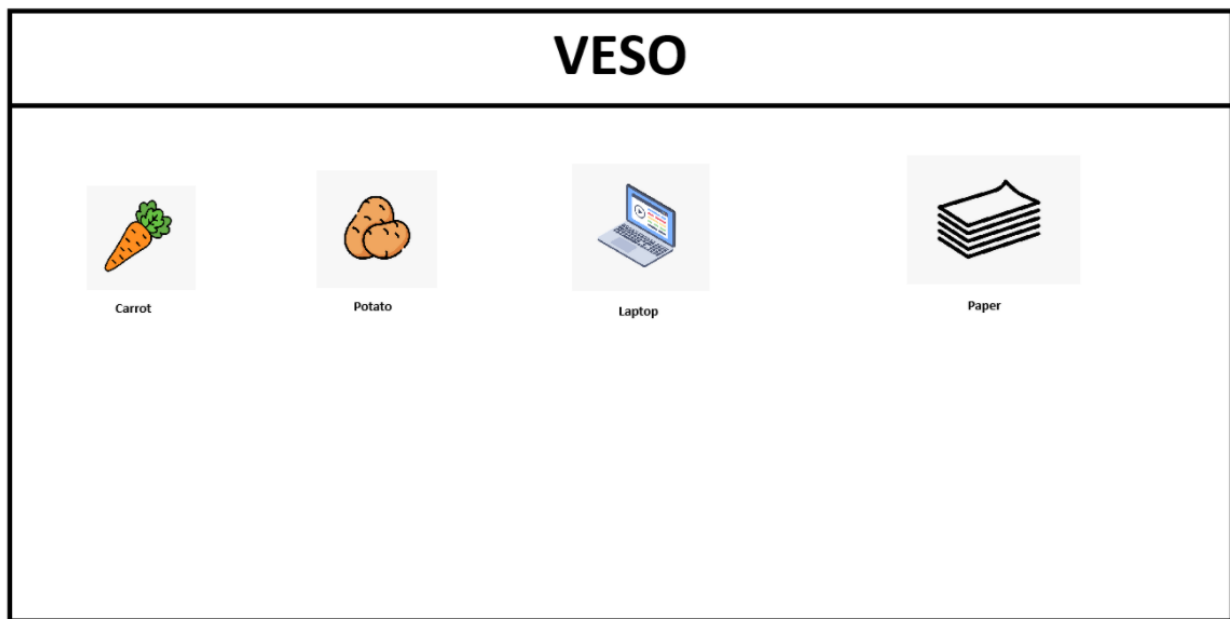
Acceptance Criteria

- Shop products are displayed.
- Each product has an image, name and price.
- If a product is out of stock, that is indicated.
- Images are optimized and resized accordingly.

Story: Add to Cart

As a user,
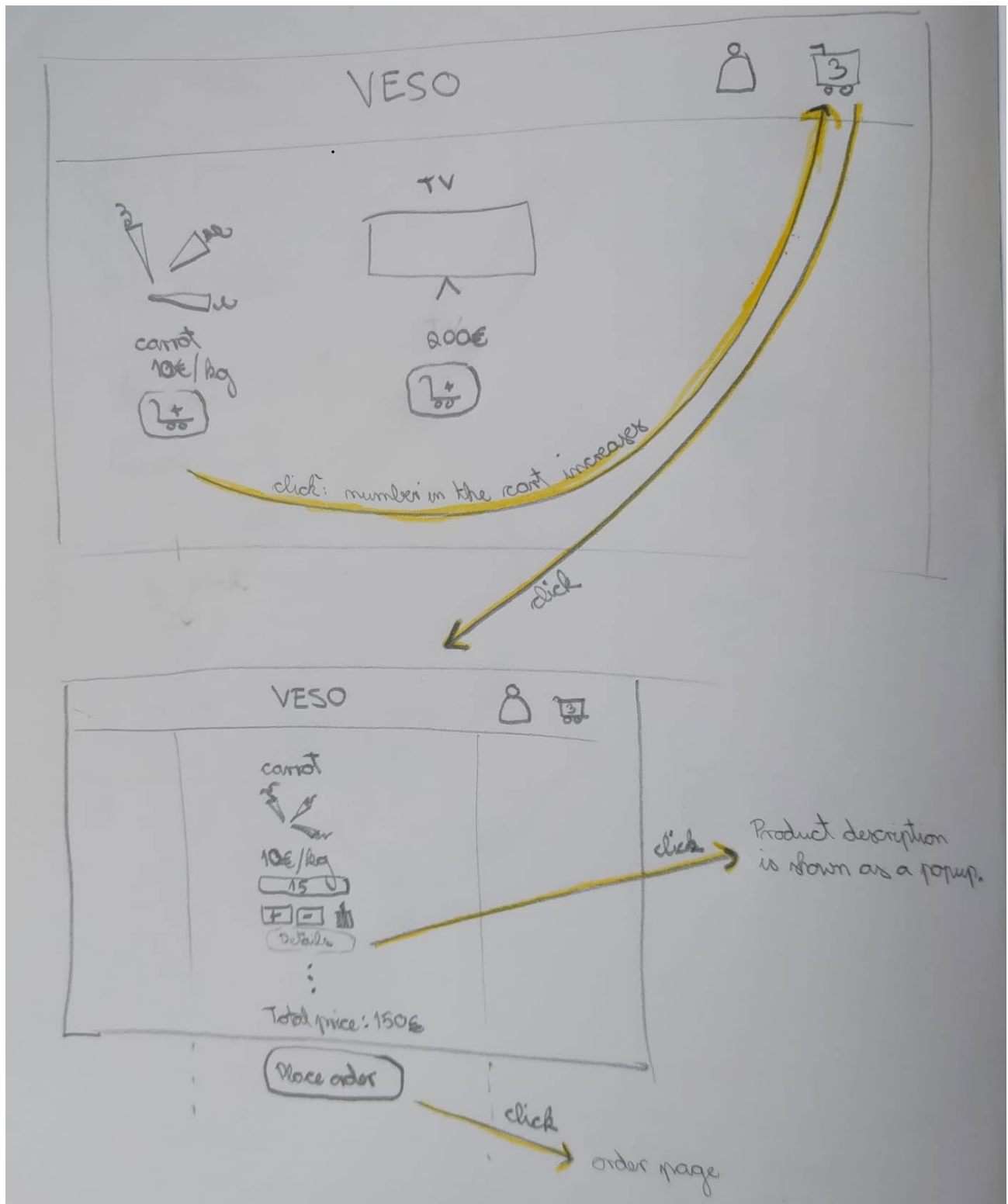
I want to put selected items in a cart,

So that I can order/pay for them.

Acceptance criteria

- A shopping cart is visible
- User can add items to the cart
- User can see items in the shopping cart
- User can remove items from the cart
- Number of items in the cart is updated accordingly (increased or decreased).

(Wireframe on the next page)

Wireframe

Screen 1 — VESO

- TV — 200€
- carrot — 10€/kg
- click: number in the cart increases
- click

Screen 2 — VESO

- carrot
- 10€/kg
- 15
- Details
- Total price: 150€
- Place order
- click → Product description is shown as a popup.
- click → order page

Story: Place Order (pay at the shop)

As a user,
I want to place orders,
So that I can pay and pick up the products.

Wireframe

Acceptance Criteria

- If a user is logged in, the credentials are filled automatically.
- Phone field must have a placeholder value that shows the format of the number.
- Besides the phone field, there must be an optional email field. One of these fields can be empty.
- The email or phone number format must be verified before placing an order.
- First name and last name are required.
- The order is saved in the database, after it has been placed.
- After the order has been placed, a message "Thank you for choosing VESO!" is displayed instead of the form.
- When the order is placed, customer gets a new cart. The old cart always remains in the database.

Story: Login

As a user,
I want to login,
So that credentials are automatically filled when ordering.

Wireframe

Acceptance Criteria

- Both fields are required.
- Password must be at least 8 characters, containing at least one special character.
- Password cannot be changed (yet).
- After logging in, the customer is redirected to the home page with products.
- The password field must have hidden characters by default. There should be an eye icon to show the password if needed.

Story: Search by Name

As a user,
I want to search products by name,
So that I can find them faster.

Wireframe

Acceptance Criteria

- Search field is case insensitive and containing (searching for 'r' would return carrot and paper).
- Searching without inputting anything in the field does nothing.
- The search string cannot be longer than the longest possible product name in the database.

Story: Profile

As a user,
I want to see my profile,
So that I know that the store has correct information about me.

Wireframe

Acceptance Criteria

- All fields except first and last name can be changed:
    - If username already exists, a message "Username already exists" is returned.
    - If password is not strong enough, a message "Weak password" is returned.
- The password field is **hidden** by default. To see or change it, one must reenter the password.

Story: Change Password

As a user,
I want to have an option to change the password,
so that I do not have to worry about forgetting it.

Wireframe
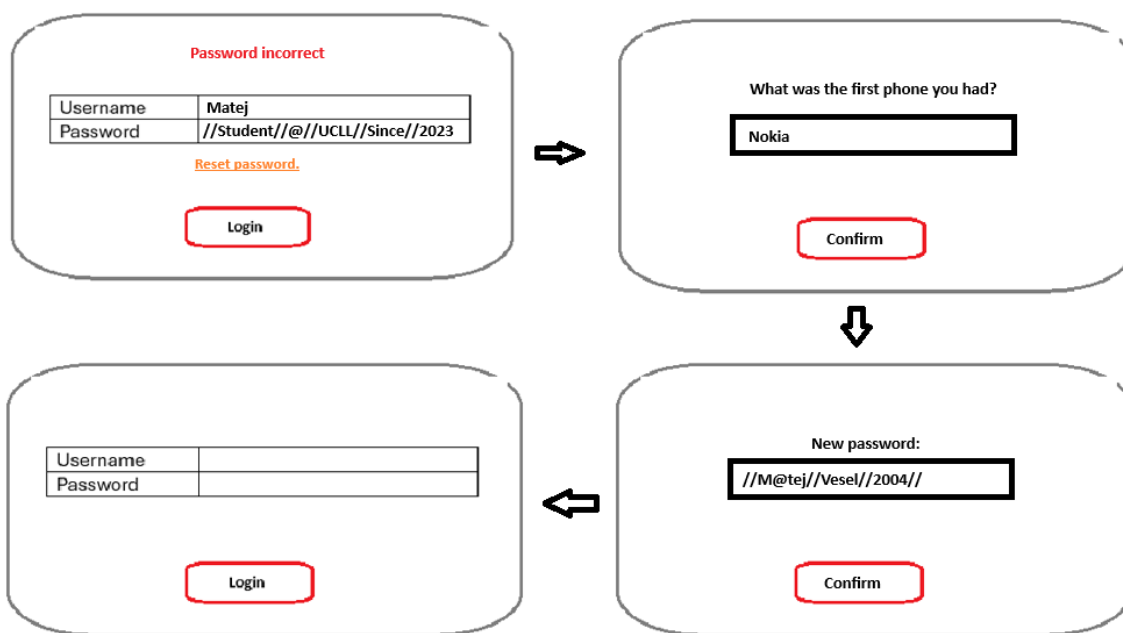
Acceptance Criteria

- If user tries to log in and the password is incorrect, the 'Reset password' option is show.
- If the username is incorrect, this is shown by display the message: "User does not exist."
- The password is reset using the **security question** of the profile with his name.
- The answer to the security question is checked case insensitively.
- The new password must conform to all the rules.