NextDoor Farm

Task7

Product description

- The purpose of the application is to make eco-products available to wide range of people. It connects farmers with end-users. The application may ease the process of distributing the goods from local farms. This project is useful for the end-users as well as to the agriculturists. Above all, we hope to provide a comfortable user experience along with the best pricing available.

- Team: Darya Rednikina, Liana Batalova, Semyon Savelyev, Vadim Zhdanov

- Repo: https://github.com/dashared/NextDoor-Farm

Personas

Mike, Sportsman

- My name is Mike and I am 22 y.o. I am a professional footballer. In order to keep fit, I have to eat 5 times a day and only fresh products: I am a big fan of vegetables and fruits. My diet consists of cabbage, tomatoes, cucumbers and mushrooms. I need to make sure they are fresh and healthy, I do not trust big supermarkets.
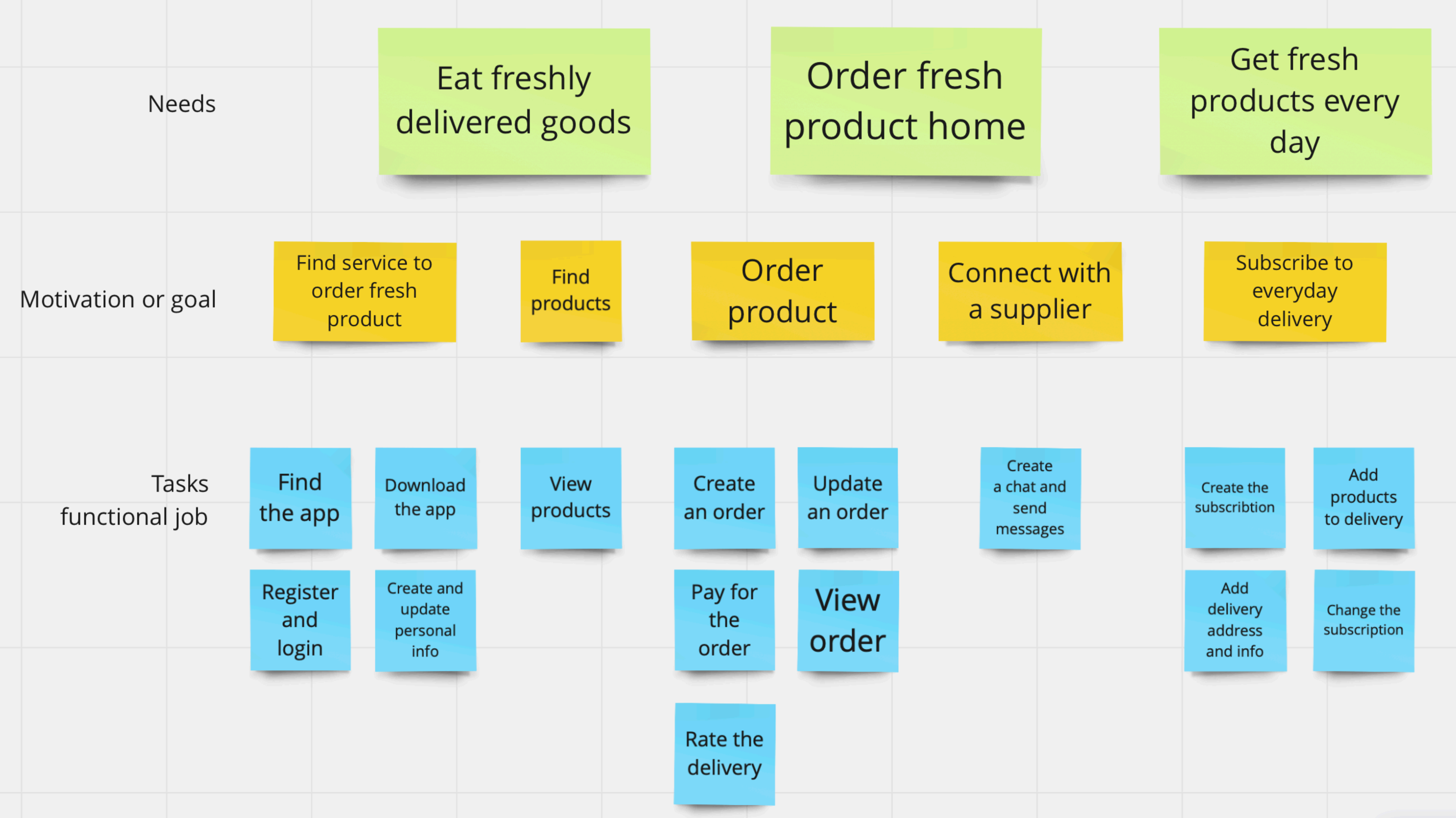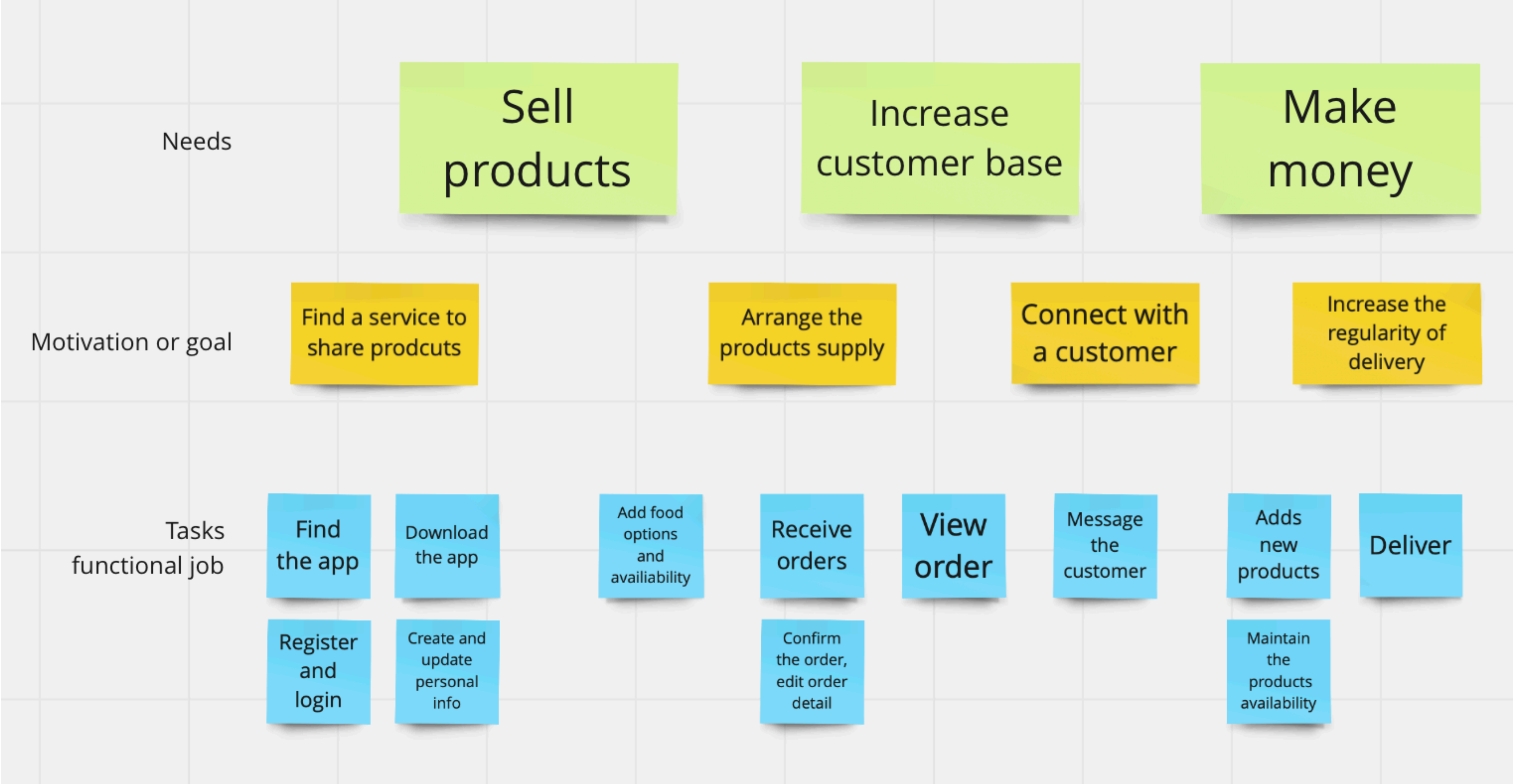
Personas

John, Farmer

- My name is John, age 40. I live in the countryside with my family. I have a huge garden. For 5 years I have been selling vegetables to local restaurants to make a living. I have a track, so I deliver fresh products to restaurants by myself. I struggle to find new customers and want to expand my business, but I don't know how.
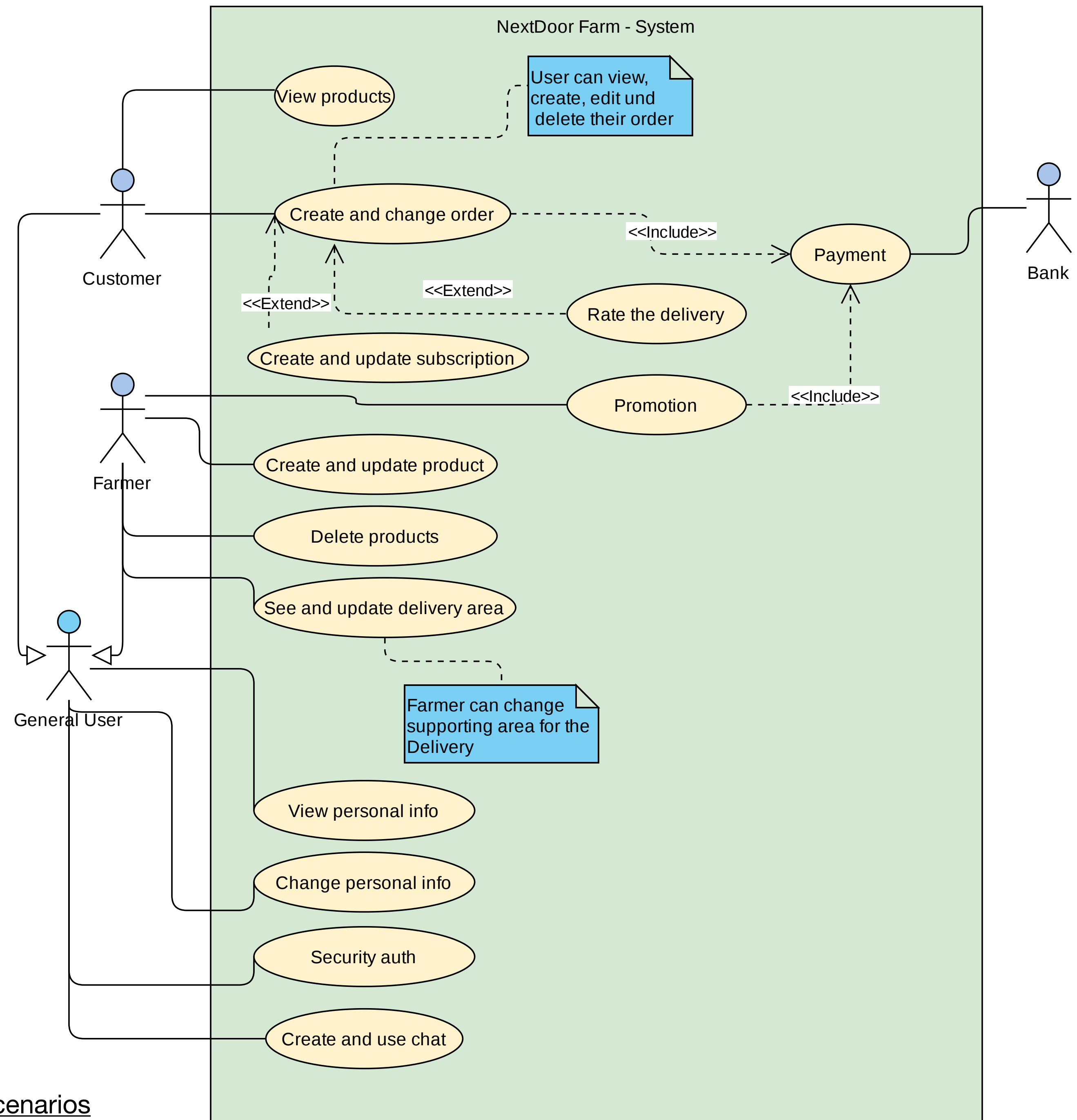
Story map: Customer

Needs	Eat freshly delivered goods	Order fresh product home	Get fresh products every day

Motivation or goal	Find service to order fresh product	Find products	Order product	Connect with a supplier	Subscribe to everyday delivery

Tasks functional job	Find the app	Download the app	View products	Create an order	Update an order	Create a chat and send messages	Create the subscribtion	Add products to delivery
	Register and login	Create and update personal info		Pay for the order	View order		Add delivery address and info	Change the subscription
				Rate the delivery				

Story map: Farmer

Needs	**Sell products**	**Increase customer base**		**Make money**
Motivation or goal	Find a service to share prodcuts	Arrange the products supply	Connect with a customer	Increase the regularity of delivery
Tasks functional job	Find the app / Download the app	Add food options and availiability / Receive orders	View order / Message the customer	Adds new products / Deliver
	Register and login / Create and update personal info	Confirm the order, edit order detail		Maintain the products availability

Use case diagram

https://github.com/dashared/NextDoor-Farm/tree/main/task6/usecase_scenarios

Interaction analysis

User	Customer, Farmer
Chats with the other user	Chat
Creates an account	
Knows its username	
Updates profile information	

Farmer	User
Defines the area for delivery	DeliveryArea
Adds a new product on its account	
Updates the list of products	

Customer	User
Rates the farmer	Rating
Looks for new products	
Updates name	
Updates address	
Makes subscription	
Cancels subscription	
Adds a product to the shopping cart	
Makes an order	
Pays for the order	

Interaction analysis

Delivery Area	
Knows the coordinates	

Rating	
Recounts the current rating	
Knows the feedback	

Chat	
Knows the users of a single chat	
Knows the messages	

Payment	
Knows the address	DeliveryArea
Knows the date	

Interaction analysis

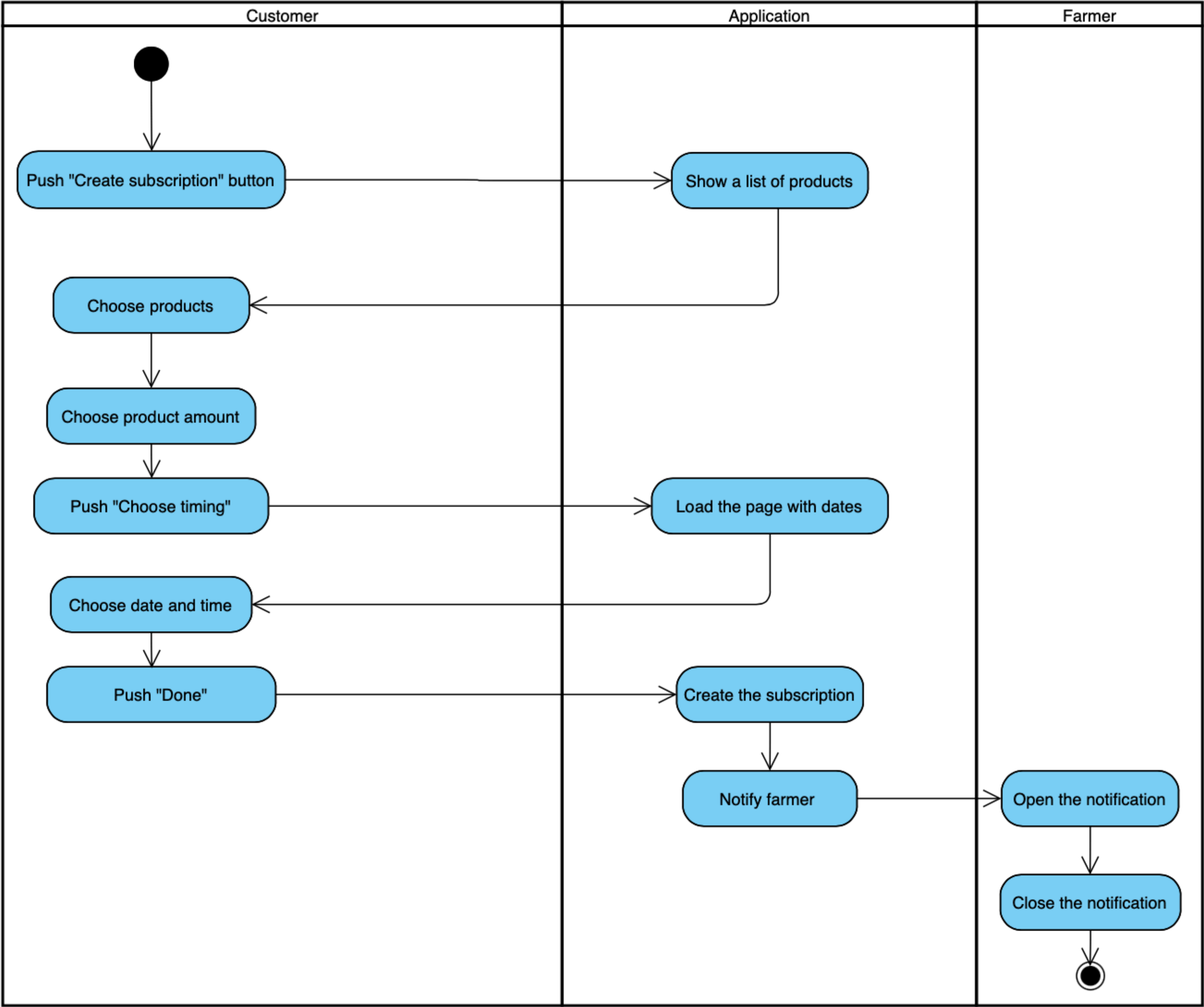| Order	User
Knows the payment	Payment
Knows the rating	Rating
Knows the delivery information	DeliveryArea
Knows a list of products	Product
Knows the customer	Customer
Knows the farmer	Farmer
Knows the delivery date	

Product	
Knows the information about the farmer	Farmer
Knows the title	
Knows the description	
Knows the amount	
Knows the image	

Subscription	
Knows the information about the order	Order
Knows the list of products	Product
Knows the schedule for sending products	

Final class diagram

User <<entity>>
+name : String
+type : String
+phoneNumber: String
+createChat()
+update(name: string, address: string)

Message <<entity>>
-status : String
-createdAt: Date
-text: String
-sender: User

Chat <<root>>
-name : String
+sendMessage()

Customer <<entity>>
+ orders: Order[]
+update(name: string, address: string)

Engine <<factory>>
+ products: Product[]
+ farmers: Farmer[]
+ findProducts()
+ findFarmers()
+createOrder(pro: Product)
+createUser(name: string, address: string)

Product <<entity>>
-name : String
+createChat()

Farmer <<entity>>
+rating : Integer
+area : DeliveryArea[]
+rateFarmer(rate: Rate)
+update(deliveryArea: DeliveryArea, name: string, address: string)
-recoundRating()

DeliveryArea <<root>>
+coordinates: Coordinates
-area : DeliveryArea

Delivery <<service>>
- date : Date
- address : Coordinates
+changeDeliveryDate()

Order <<root, entity>>
+ creationDate : Date
+ supplier : Farmer
+ delivery : Delivery
+ payment : Payment[]
+ products : Product[]
+ subscription: Subscription
+makeSubscription(schedule: Schedule)
+addProduct(prd: Product)
+makePayment()

Rate <<entity>>
+rate : Integer
+comment: string
+sendMessage()

Subscription <<entity>>
+ schedule : Cron
+changeSubscription(schedule: Schedule)
+cancelSubsction()

Payment <<entity>>
+amount: Double
+date: Date

Coordinates <<valueObject>>
+x: Int
+y: Int

Detailed behaviour

<> Code   Issues   Pull requests   Actions   Projects   Wiki   Security   Insights   Settings

main   1 branch   0 tags

Go to file   Add file   Code

dashared task7 start   90cd9f4 · 39 seconds ago   11 commits

|		
task3	Previous tasks	yesterday
task5	Added create subscription spec	23 hours ago
task6	task7 start	39 seconds ago
task7	task7 start	39 seconds ago
README.md	added readme	yesterday

README.md

🔗 NextDoor Farm

Goal

The purpose of the application is to make eco-products available to wide range of people. It connects farmers with end-users. The application may ease the process of distributing the goods from local farms. This project is useful for the end-users as well as to the agriculturists. Above all, we hope to provide a comfortable user experience along with the best pricing available.

Team and roles
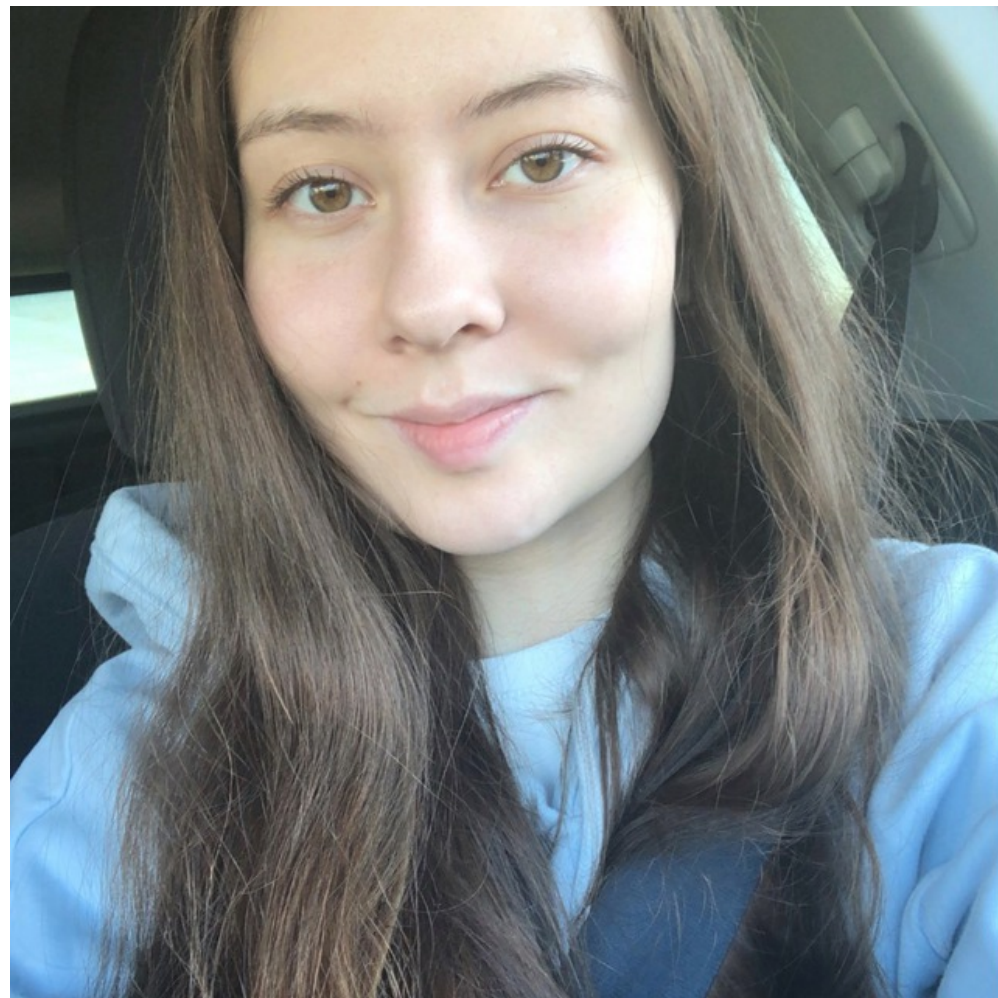
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Q&A