

Crop App

The application provides a centralized system for farmer, seed suppliers and customers. Farmer can manage crops, resources, customers and seed suppliers while accessing a complete overview of all data. Seed suppliers can log in to manage and view the crops they supply, and customers can log in to track their crop preferences.

STORY-OVERVIEW

1.As a farmer,

I want to add customers to the system with their crop preference, so that I can track customer information, view their crop preference and easily access a list of all customers with a filtering option by name.

WIREFRAME

Home	id	name	email	address	cropPreference
crops					
customers					
seed_suppliers					
profile					

Acceptance criteria

- The system must validate all required fields are provided and adhere to their constraints (e.g. valid email).

- If a customer with the given email exists, an error should be given “This customer already exists in the Database”.
- Upon successful validation, the customer is added to system with the provided details.
- The system must return the newly created customer object. After a customer is added, the system must automatically update the frontend customer list to display the new customer.
- When a customer is selected , their crop preference details should be displayed.
- The farmer should have the option to filter the customer list by name to quickly locate specific customers.
- The system must support a many-to-many relationship between Customer and Crop, allowing each customer to have multiple crop preference and each crop to be associated with multiple customers.

2. As a farmer,

I want to view a list of the seed suppliers,

So that I can contact them to inquire about and select the most suitable seeds for my crops.

WIREFRAME

Home	Name	email	address	seedType
Crops				
Customers				
SeedSuppliers				
Profile				

Acceptance criteria

- The seed suppliers list is available for farmers to view.
- The seed suppliers list is displayed in a clear and organized format for easy viewing.

3. As a farmer,
- I want to be able to track a list of my crops,
- So that I easily view and manage the crops I'm growing.

WIREFRAME

Home	cropName	purchasePrice	marketPrice	yield	growthDuration	attention
Crops						
Customers						
Seed_supplie rs						
profile						

Acceptance criteria

- The farmer can access detailed information about each crop in their list.
- The farmer can view a list of crops with their current growth stage.

- 4.As a user,
- I am able to sign up with my personal data,
so I can access the dashboard.

WIREFRAME

Sign up
Name:
Password:
Address:
Email:
Role:

Acceptance criteria

- A form requiring personal information is displayed
- All fields are mandatory
- Place holder exists

5. As a user,

I want to be able to change the language easily, so that I can navigate and use the application in my preferred language without any hassle.

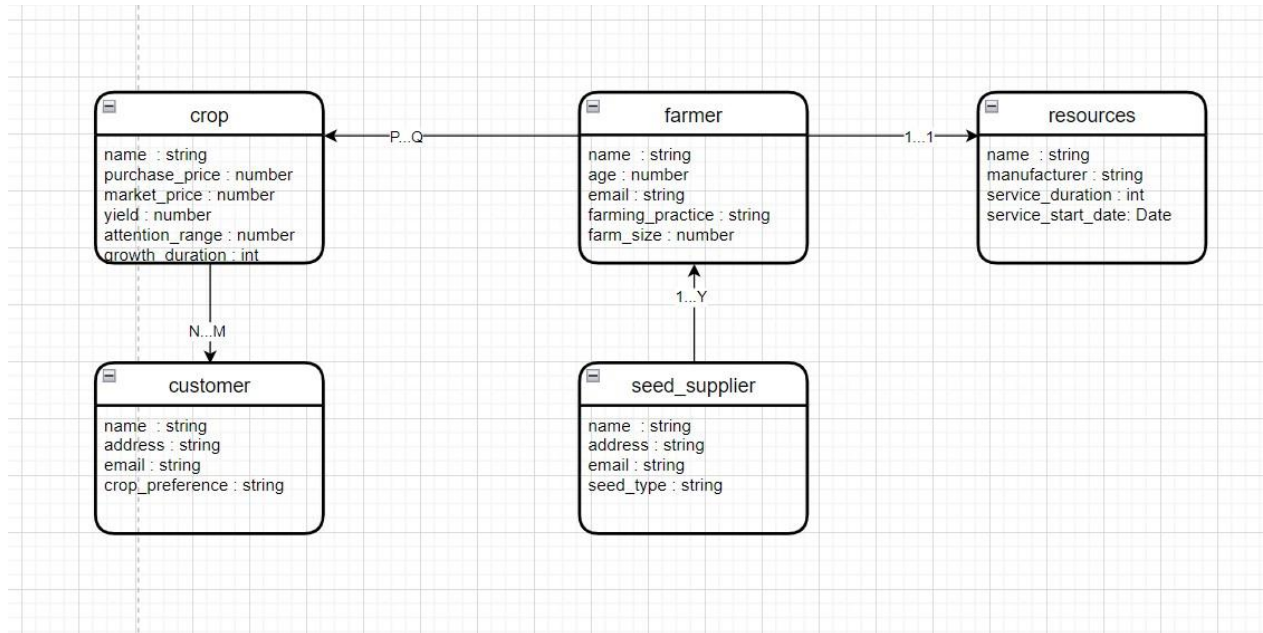
WIREFRAME

English	↓
Dutch	

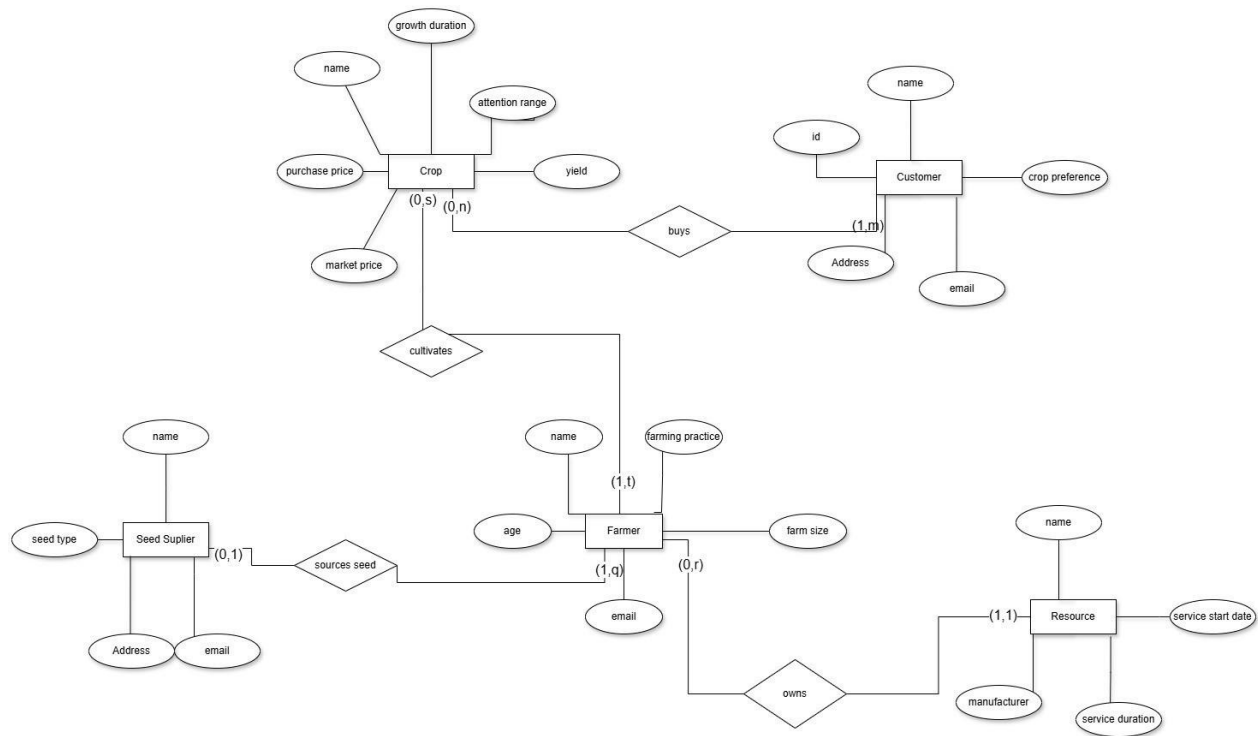
Acceptance criteria

- User can find option to change the languages in the application.
- When user selects a new language, the interface updates instantly without requiring a page refresh.

DOMAIN MODEL



CONCEPTUAL MODEL



LOGICAL MODEL

