Full Stack Software Development

De Geitjeshoeve

Description: With the "De geitjeshoeve" website, we want caretakers to be able to log in and keep track of the different animals on the farm. Caretakers can view the animals, track their age, and mark if an animal has died. Additionally, there is an admin who can see the monthly expenses for food and care for the animals. For each species, the admin can click to calculate the total costs for that type of animal.

User story 1

As a user
I'm able to log in as Admin or Caretaker
So that I can get an overview of the expenses in the farm(admin) and
So that I can see the age and the names of the animal

Wireframe:

Login

Username:

Password:

Login

Acceptance criteria:

- Users must be able to log in as an admin or a caretaker, using valid credentials.
- Upon successful login, the user can only see the page belonging to their role.
- If incorrect credentials are submitted, an error message should be displayed.

User story 2

As a user
I'm able to click on log out
So that I can log out

Wireframe:

Placeholder   Placeholder   Login   Logout ⇐ When clicking this

Are you sure?

Yes   No

Acceptance criteria:

- The log out button should appear upon logging in.
- When clicking the log out button, a pop up should open confirming if the user wants to log out.
- If yes is clicked, the user should be logged out.
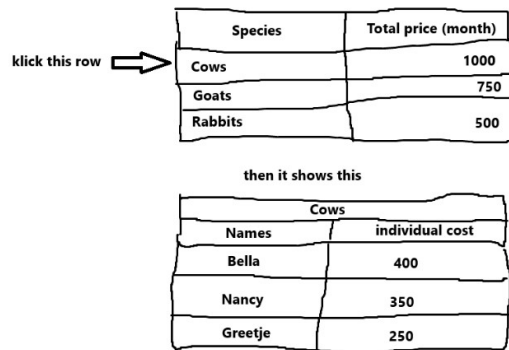- If no is clicked, the pop up dissapears and the user stays logged in.

User story 3

As an admin
I'm able to click on a species
So that I can see all the animals of that species and their individual cost

Wireframe:

Species	Total price (month)
Cows	1000
Goats	750
Rabbits	500

klick this row ⟹ (points to Cows)

then it shows this

Cows	
Names	individual cost
Bella	400
Nancy	350
Greetje	250

Acceptance criteria:

- Upon logging in as admin, you should see a table listing the different animal species and their total costs.
- Upon clicking a row, it should show all the animals of this certain species, and their individual cost.
- When clicking a species for the second time, the second, more detailed table dissapears.
- If logged in as a caretaker, this extra information shouldn't be shown upon clicking a specie.

User story 4

As a caretaker
I'm able to delete an animal when it died
So that I can update the list

Wireframe:

Species		
Name	Age	delete
placeholder	10	delete
placeholder	1	delete
placeholder	2	delete

Acceptance criteria:

- Upon logging in as a caretaker, it should show a table, listing all the animals.
- Upon clicking the delete button, it should delete the animal from the database.
- If the animal is deleted from the database, the animals row should dissapear too.
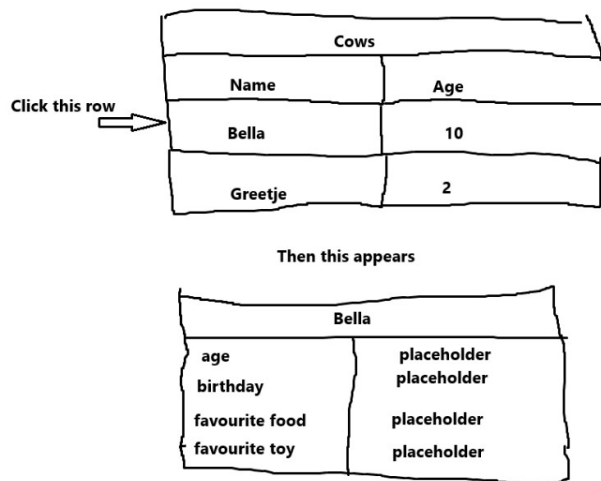- If logged in as an admin, you shouldn't have the delete option.

User story 5

As a Caretaker
I'm able to click on an animal
So that I can see all the extra info

Wireframe:

Acceptance criteria:
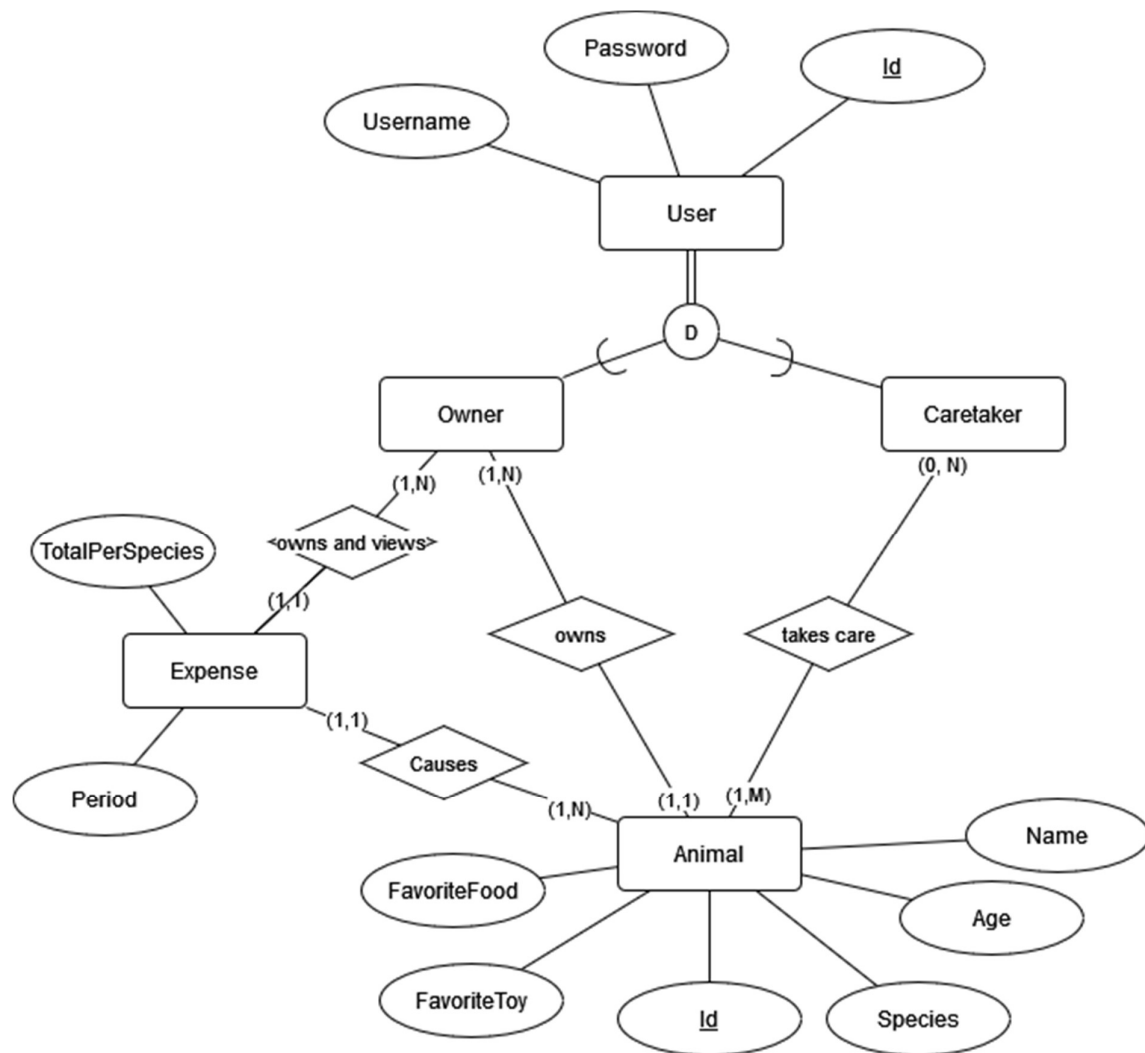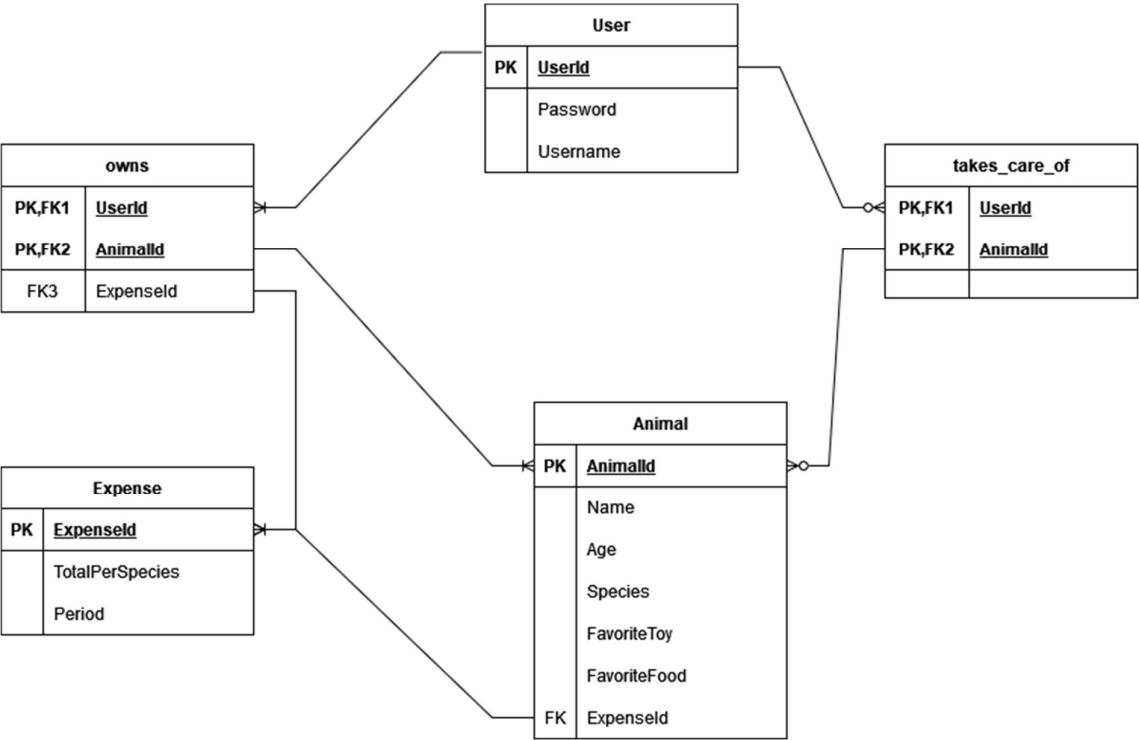
- Upon logging in as a caretaker, it should show a table, listing all the animals.
- Upon clicking one of the animals name, it should show all the animal's information.
- When an animal is clicked for the second time, the second, more detailed table, should dissapear.
- If the user is logged in as an admin, this extra information shouldn't show upon clicking an animal.

Conceptual model:

Logical model:

User

PK	UserId
	Password
	Username

owns

PK,FK1	UserId
PK,FK2	AnimalId
FK3	ExpenseId

takes_care_of

PK,FK1	UserId
PK,FK2	AnimalId

Expense

PK	ExpenseId
	TotalPerSpecies
	Period

Animal

PK	AnimalId
	Name
	Age
	Species
	FavoriteToy
	FavoriteFood
FK	ExpenseId

Domain model:

The domain model diagram contains:

USER
- password : String
- username : String

is → 0..* → **OWNER**

is → 0..N → **CARETAKER**

OWNER has → 1..N → **EXPENSE**
- total perspecies : do
- period : int

OWNER OWNS → 1..N → **ANIMAL**
- name : String
- age : int
- species : String
- favoritetoy : String
- favoritefood : String

CARETAKER takes care of → 0..N → ANIMAL

ANIMAL causes → N..M → EXPENSE