Project titel: PedaLenen

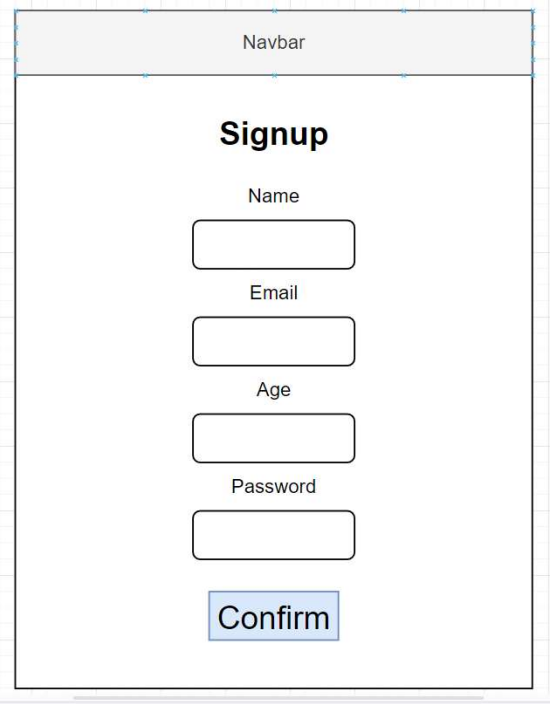
Project beschrijving: PedaLenen will provide users with the ability to register and rent a bike for everyone's needs. PedaLenen offers bikes with a range of accessories to add to their rental. A user can check there rents on the "my Rents" page and if necessary cancel the rent.

User stories

User Story 1: Signup a User

As a user,
I am able to create a account trough the signup,
So that, I can have a account for renting bikes.

WireFrame:



Acceptance criteria:

- All input fields needed to create a user
- Name only exists out of characters otherwise show error
- Email is checked if it has the right email format otherwise show error
- Age is between 0 and 150 otherwise show error
- Password hase a uppercase and hase a number otherwise show error
- Password is at least 7 characters long otherwise show error

- The form hase a confirm button with a message when its created

User Story 2: Overview of bikes

As a user,
I am able to see a list of all possible bikes,
So that, I can choose a bike of my preference.

WireFrame:

Brand	Modal	Location	Size	Cost
Cube	Attention Pro 2025	Brabançonnestraat 119, 3000 Leuven	M	40

Acceptance criteria:

- A list of bikes that are available
- All information per bike

User Story 3: A list of accessorie(s) that is possible with the bike

As a user,
I am able to see a list of all possible accessories,
So that, I can choose some accessories of my preference.

WireFrame:

Brand	Modal	Location	Size	Cost
Cube	Attention Pro 2025	Brabançonnestraat 119, 3000 Leuven	M	40

Clickeable on bike to open extra table

Name	cost	amount	
Front light	2	0	+
Back light	2	0	+

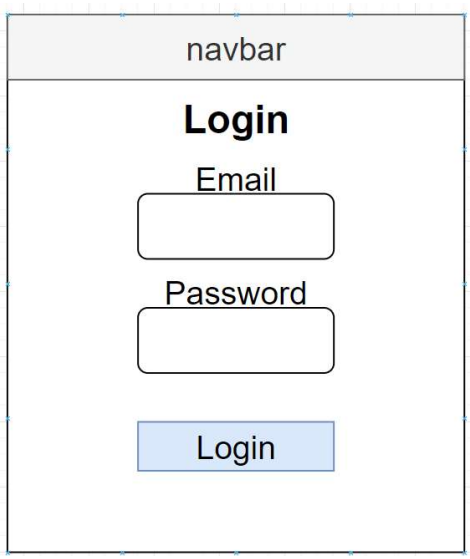
Acceptance criteria:

- A list of accesories that are available
- All information per accesorie.
- Buttons to add and decrease amount
- Amount cant go under 0 otherwise show error
- A button to add it to you bike option you chose

User Story 4: Login a User

As a user,
I am able to login with my account,
So that, I can rent bikes.

WireFrame:



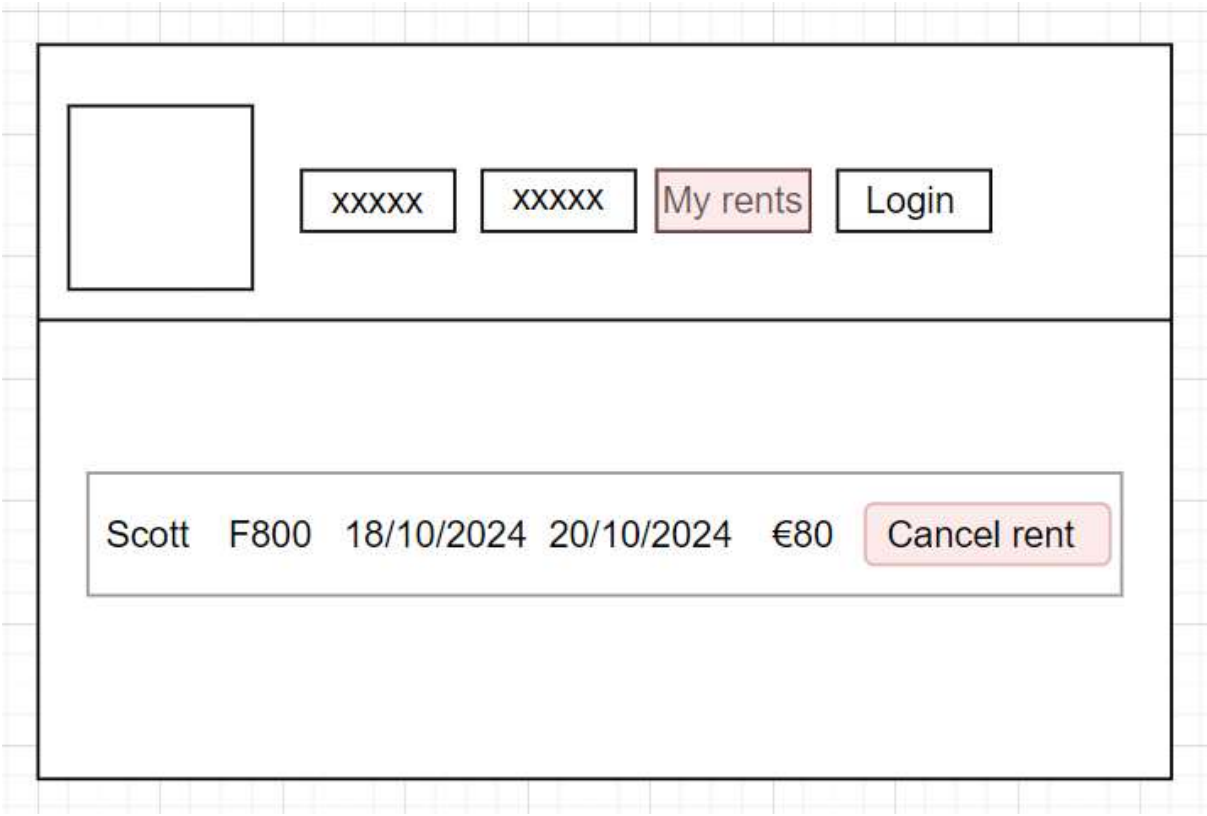
Acceptance criteria:

- All input fields needed to login a user
- Email is checked if it has the right email format otherwise show error
- Email and password combination has to exists in the db otherwise show error
- Password hase a uppercase and hase a number otherwise show error
- Password is at least 7 characters long otherwise show error
- The form has a login button with a message when its created

User Story 5: Cancel a rent

As a user,
I am able to cancel a bike i rented,
So that I can avoid being charged for unused time.

WireFrame:



Acceptance criteria:

- The user must be able to see a "Cancel rent" button next to each bike they have rented in the "My Rents" section.

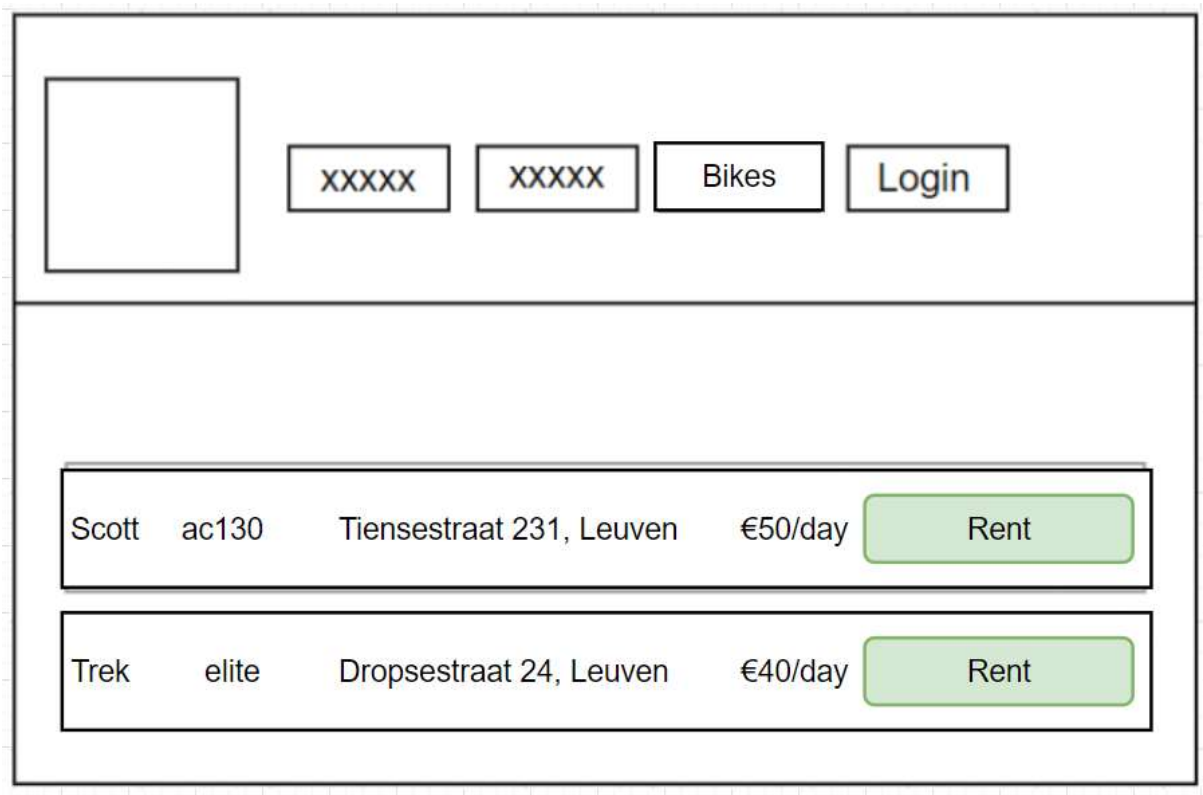
- When the user clicks on the "Cancel rent" button, a confirmation prompt should appear asking the user to confirm the cancellation of the bike rental.

- If the user confirms the cancellation, the rental should be canceled, and the bike entry should be removed from the "My Rents" section.

User story 6: Rent a bike as a user

As a user,
I want to be able to rent a bike.
So that I can use the bike when I need it

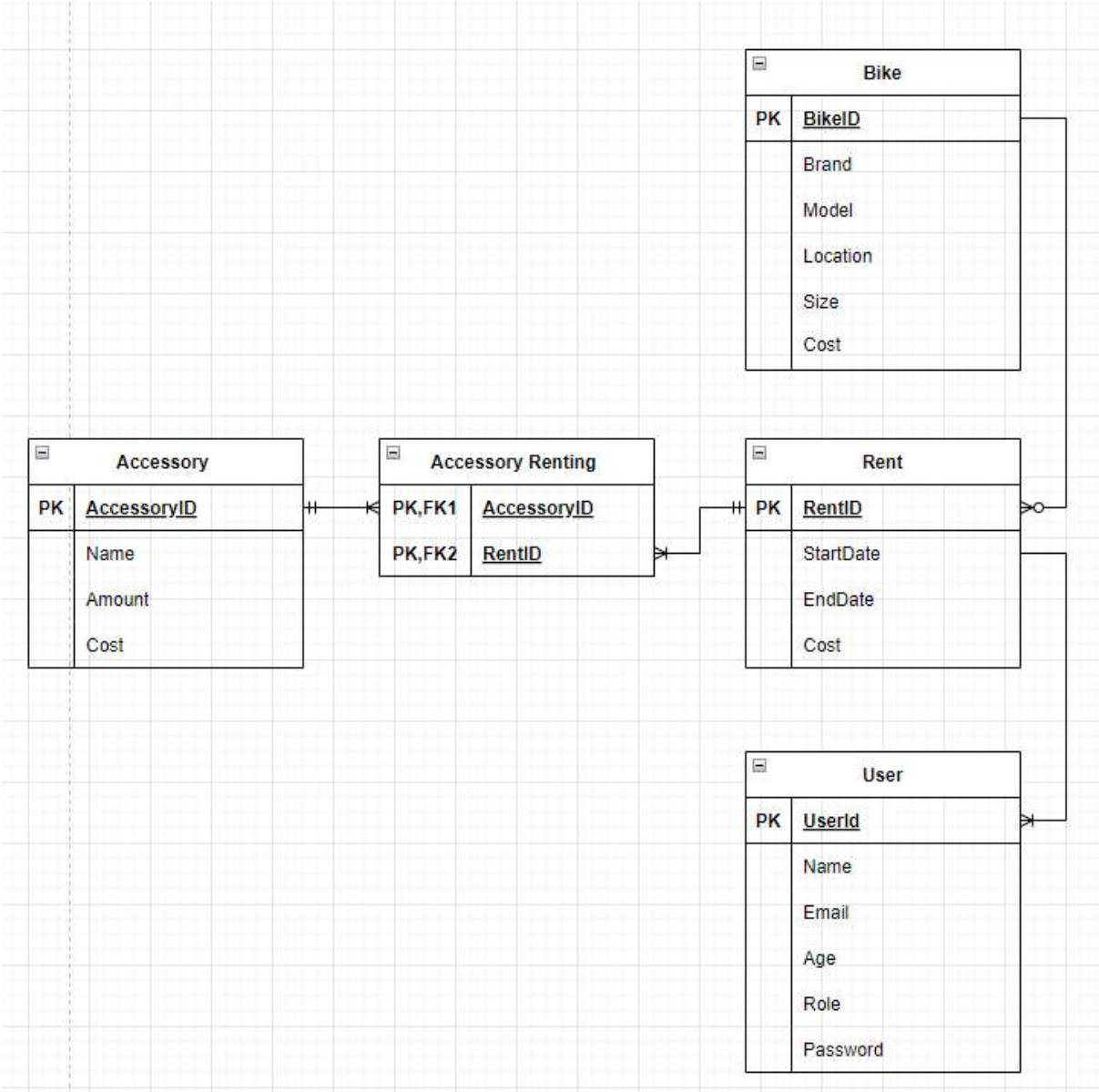
WireFrame:



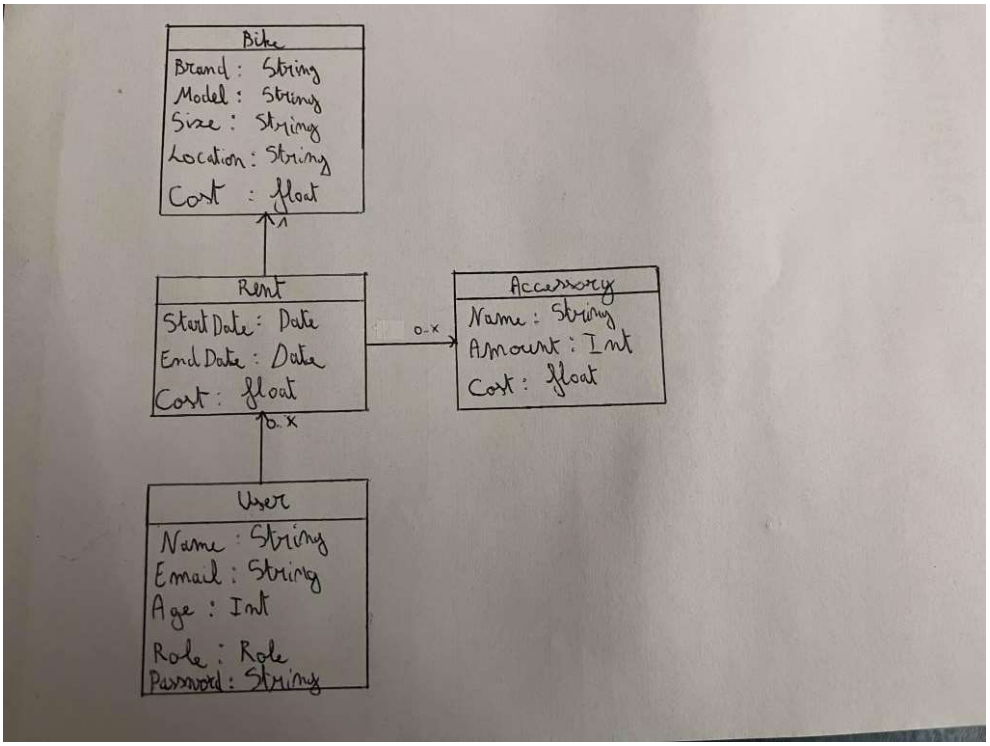
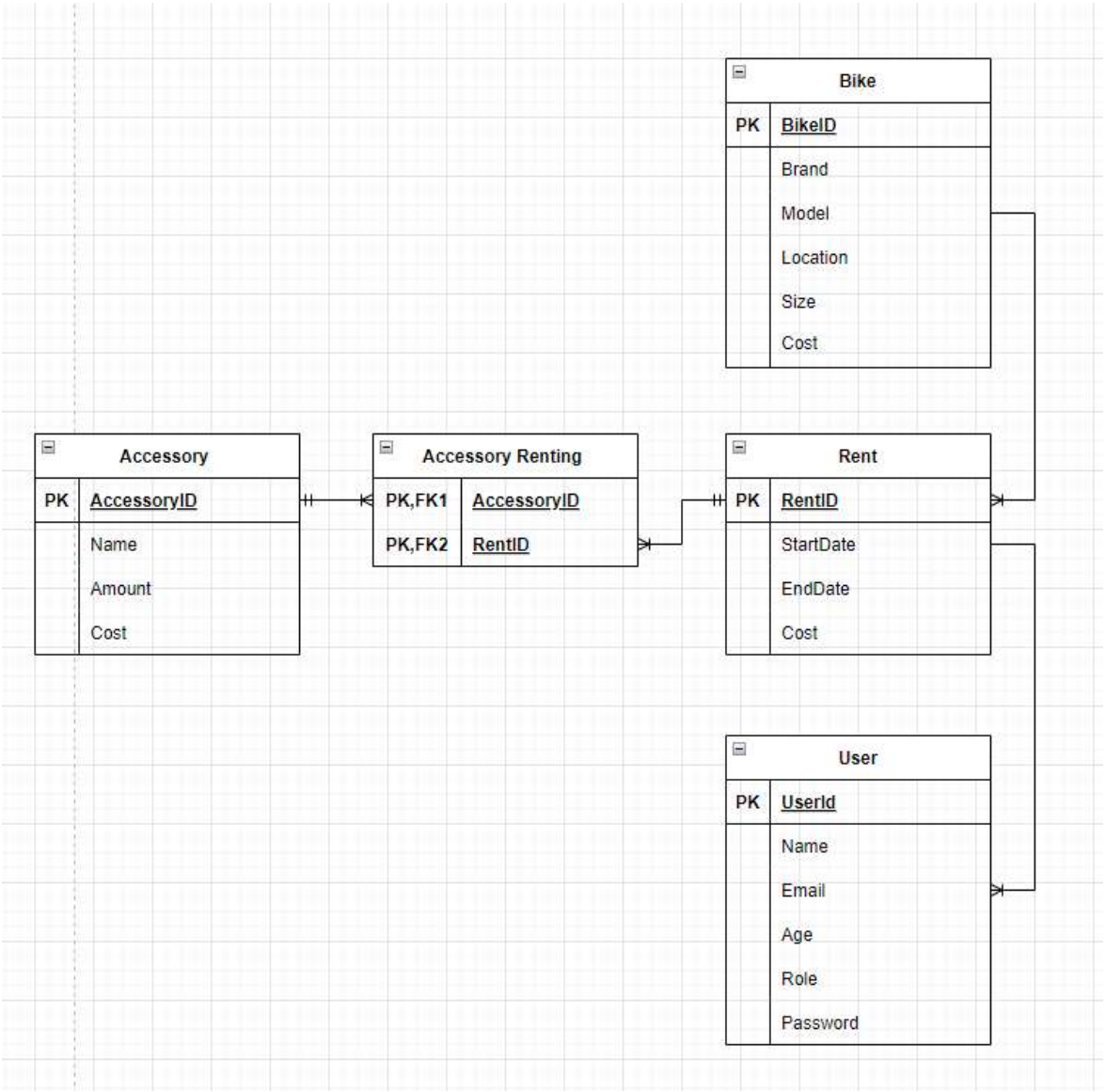
Acceptance criteria:

- The user must be able to see a list of available bikes for rent, with each bike's details clearly displayed.
- The details should include: Brand (e.g., "Scott", "Trek") Model (e.g., "ac130", "elite") Location of the bike (e.g., "Tiesestraat 231, Leuven", "Dropsestraat 24, Leuven"), Price per day (e.g., "€50/day", "€40/day")
- Each bike listing must have a "Rent" button that allows the user to rent the bike.
- The button must be easy to identify, with a green background as shown in the wireframe

Conceptual Model:



Domain model:



Logical Model: