Grocery manager x

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Product description:

keep track of which items you need to purchase and how urgently you need to have

their home. Know who added wants these items, where they must be brought from and what

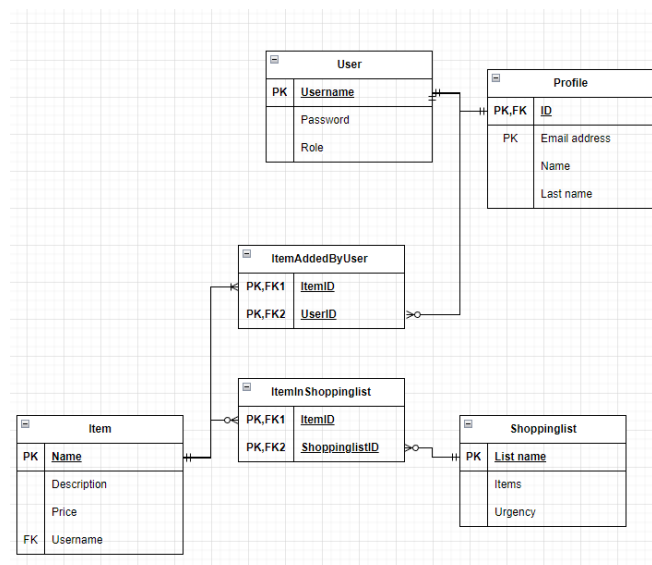they are. In the web App you can have a family-group that can be managed by the family-admin

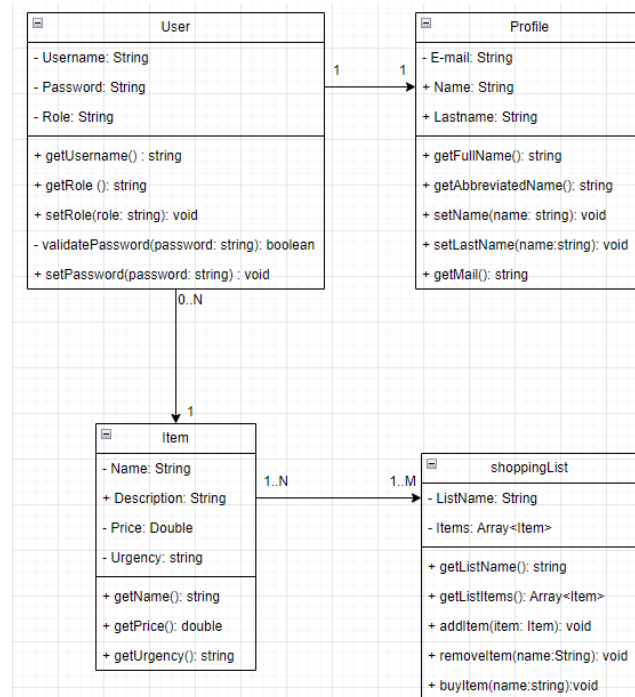who can add family-members and viewers to this family-group.

Conceptual entity-relationship diagram:
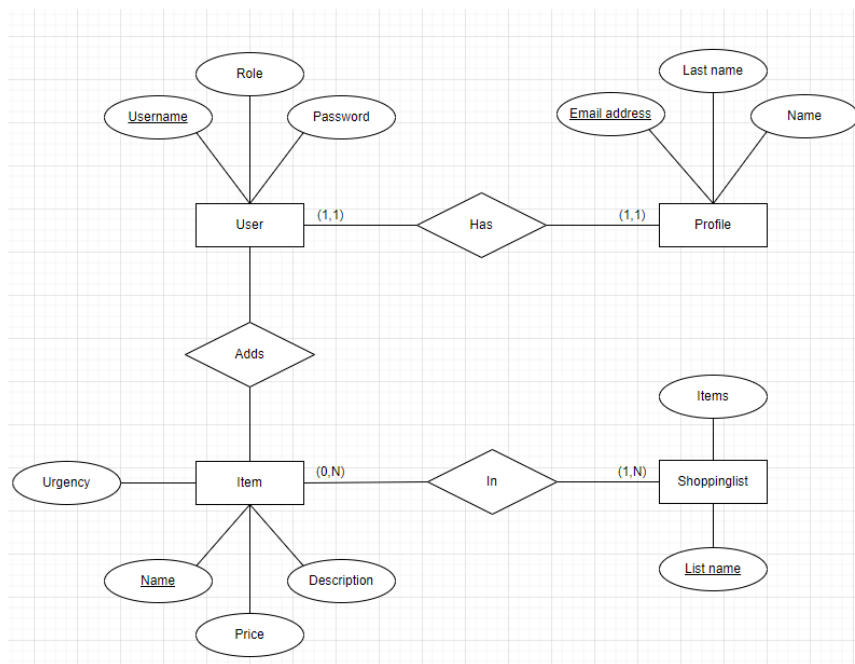
Logical entity-relationship diagram:

UML:

User

- Username: String
- Password: String
- Role: String

+ getUsername() : string
+ getRole (): string
+ setRole(role: string): void
- validatePassword(password: string): boolean
+ setPassword(password: string) : void

Profile

- E-mail: String
+ Name: String
+ Lastname: String

+ getFullName(): string
+ getAbbreviatedName(): string
+ setName(name: string): void
+ setLastName(name:string): void
+ getMail(): string

Item

- Name: String
+ Description: String
- Price: Double
- Urgency: string

+ getName(): string
+ getPrice(): double
+ getUrgency(): string

shoppingList

- ListName: String
- Items: Array<Item>

+ getListName(): string
+ getListItems(): Array<Item>
+ addItem(item: Item): void
+ removeItem(name:String): void
+ buyItem(name:string):void

User story 1: View shopping lists

As a family-member, I want to view all the shopping lists assigned to me so that I can easily access and manage my grocery needs.

Wireframe:

List name	Item count
Thanksgiving dinner	38
Gifts	10

Acceptance criteria:

The shopping list page displays all the lists with their respective titles.

Each list displays the number of items remaining to buy.

Shopping lists are ordered by creation date, with the most recent at the top.

User story 2: View items in shopping lists

As a family-member, I want to view all the items in a selected shopping list so that I can see what I need to buy.

Wireframe:

Name	Description	Author	Bought
Milk	1 gallon of milk	Test User	☐
Apples	A dozen of green apples	Test User	☐
Item name	Item description	Abdul	Add

Acceptance criteria:

Clicking on a shopping list shows all its items.

Each item displays its name, quantity, and any notes added.

Items are displayed in the order they were added to the list.

User story 3: Add items

As a family-member, I need to be able to add items to a shopping list so that I can keep track of the items that have to be purchased.

Wireframe:

Name	Description	Author	Bought
Milk	1 gallon of milk	Test User	☐
Apples	A dozen of green apples	Test User	☐
Item name	Item description	Abdul	(Add)

Acceptance criteria:

I need to be able to add the items name, description, store where it should be bought from and the importance/urgency.

Items without a name can't be inputted.

An item can be added even if the shop or/and description is empty.

User story 4: Buy items

As a family-member I need to be able to delete the items that have been bought on the go so that I can keep track of which items I still need to buy.

Wireframe:

Acceptance criteria:

When an item is bought it should disappear from the list.

When all the items of a list have been bought the list should disappear.

User story 5: Register user

As an admin I'm able to add users to the family-group so that I can give access to the right people to the right features.

Wireframe:

Acceptance criteria:

Empty fields are not allowed.

A Password should be strong (5 characters long, contains capital letters and symbols)

When the add user button is pressed a user is added to the database.

User story 6: Login

As a family-member I want to have a login menu so that I can login to the website and only I can login with my password.

Wireframe:

Grocery manager x

Username

Password

Login

Acceptance criteria:

Once the user is logged in, they stay logged in for the rest of the session.

If the user enters the wrong username or password a clear error message is displayed.

If the user enters the password or username wrong multiple times a quick link to contact the admin appears.

User story 7: View all user profiles

As an admin, I need to view all the user profiles in the system so that I can manage access and roles for family members.

Wireframe:

Email	Name	Last name	USERID
test@test.com	Tester	VanDenTesten	1
example@example.be	Example	Fam	2

Acceptance criteria:

The admin **profile** lists all registered users with their roles.