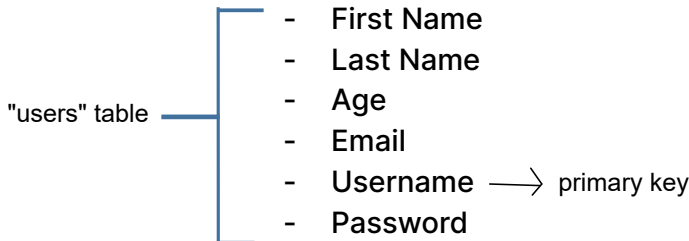


B. Website Task

You will create a Hospital Information System to be used by two different type of user, that is **Patient** and **Administrator**, the following user requirements that you must fulfill are listed below:

1. Authentication

- There are two types of account roles: **Administrator** and **Patient**. use "admin" field in "users" table
- Users are only allowed to create account of role **Patient**. (create a super user account by default to act as an admin). default value is false
- Implement the usage of JWT in your authentication.
- An account must hold this information: stores:
- username
- expiry time



2. Administrator Requirements

- Administrator can create a new doctor appointment.
- Doctor appointment must have this information:
 - Doctor name
 - Appointment Description
 - List of registrantCRUD on "appointments" table with some aggregate functions with "users" table
- Administrator can update doctor appointments.
- Administrator can delete doctor appointments.
- Administrator can see a list of patients that are registered in each appointment.

"appointments" table

add new field "capacity"

3. Patient Requirements

- Patients can see a list of appointments. read on "appointments" table
- Patients can apply for an appointment. updating a field in "users" table that references "appointments" id field
- Patients can cancel their appointment.
- Patients cannot apply for an appointment with a fully booked registrant. aggregate function with "users" table

When you are finished with your website, you should deploy it into cloud services, such as **Heroku**, **Netlify**, etc. Make sure you've created a good **README** in your repository about your project. Also make sure that your repository is public.