https://1.101.fr

Follow the instruction at
https://github.com/huguesbr/ufr-blois-development-web-
messenger.git

Our Chat now have users, chats, messages and memberships.
The current user's is faked by passing a **?current_user_id=123** where **123** is the id of the desired current user.

Action	Users	Chats	Messages	Membership
list	anybody	any user	user with an accepted membership	any user
create	anybody	any user	user with an accepted membership	any user
update	current user	chat's owner	message's owner	chat's owner
delete	current user	chat's owner	message's owner	chat's owner
show	anybody	any user	user with an accepted membership	any user

At the end of this TD we want authenticate user via a session and requiring a valid session token for the current user.

Action	Users	Chats	Messages	Membership	Session
list	anybody	any user	user with an accepted membership	any user	nobody
create	anybody	any user	user with an accepted membership	any user	valid user credentials
update	current user	chat's owner	message's owner	chat's owner	nobody
delete	current user	chat's owner	message's owner	chat's owner	session's owner
show	anybody	any user	user with an accepted membership	any user	nobody

Session

In our previous implementation, user where identied by simply passing a **?current_user_id=123**.
We now want to create a session table to store identied user.

- Create a session scaffold with a user (reference) and a token (string)

- Any body can create a session for any user for now

- Auto generate a random string for the session token

```ruby
# app/models/session.rb
class Session < ApplicationRecord
  belongs_to :user

  before_create do |session|
    session.token = SecureRandom.hex(32)
  end
end
```

Verify user's session

We now want to verify the current user via a session token instead of *current_user_id*

- Update the *application_controller.rb* to lookup the user by checking the param *?current_session_token=ABC*

User credentials

We want to add a new password field to user

- Create a migration to add a password (string) field to user table

- Add a default password to user created in your **seeds.rb**

- Allow user to pass **password** on creation/update

- Reset your database

Check user credentials on session creation

We now want to lock our session creation to check user credentials
in order to create a session
We also want to remove listing/updating/showing any session
record

- update ***sessions_controller.rb***

- update ***routes.rb***

User uniqueness

Now that our user can login, we want each user name to be unique

- Update **_user.rb_** to add a uniqueness validation