Feature Investigation Sheet

Feature: Login / Sign Up Feature #1

Issue: In order to retain a maximum number of users, we want to have a registration / connection sequence registration / login sequence as smooth as possible.

Option 1: Classic Login Workflow (see Figure)

In this option, we have a dedicated page for registration and another for login. The advantage of the system is that it is classic, we have quick access to the registration or connection form. The main disadvantage: the process may not be optimized, especially during the registration

Advantages

⊕ Direct access to the form

⊕ Possibility to maintain the connection via a cookie

Disadvantages

⊖ Systematic use of a form

⊖ Need to send a confirmation email

Minimum number of fields to fill in at registration: 5 (Name, first name, email, password, confirmation)

Minimum number of fields to fill in during login: 2

Option 2: "Email First" approach and use of Google Identity Toolkit

In this option, we first ask the user to enter his email. This allows us to propose to the user the interface that suits him. Moreover, by offering the social connection (Google, Facebook, etc.). The user potentially does not need to fill out a form anymore (only if it is his preference)

Benefits

⊕ Customized page according to the need

⊕ Ability to maintain the connection via a cookie

⊕ If social authentication no need for email confirmation

⊕ Access to form if preferred by user

⊕ Fast and secure process used on many sites

Disadvantages

⊖ periodically ensuring the proper functioning of the link with the social networks is working

Minimum number of fields to fill in at registration: 1 (e-mail)

Minimum number of fields to fill in during login: 1

Solution chosen :

So we chose the "Email First" approach with use of Google Identity Toolkit. The reason is that the flow of

The reason is that the login and registration flow are more natural, requiring the user to enter only his email. The rest of the choices depend on him. He will be able to choose between a quick authentication by provider tier, or a more complete one via our form.