Bunny Inc Test for Head of Engineering

Version Control

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Purpose

To merge the user's profile from Linkedin into the profile of same user of Torre Bio. This will be achieved using a stand alone web application.

Assumptions

- We already have the web site for hosting the web application with suitable server side support:
    - Programing language: PHP, Ruby on rails, etc.
    - Data base: MySQL etc.
- The LinkedIn profile already exists.
- The Torre Bio profile already exists.
- We are not checking whether the user really owns both profiles. We will work under the assumption that if the user knows both IDs it is because he/she is the same user.
- It is desirable that the user can select which information is going to merge into the torre bio profile.
- We already have registered ourselves as a trusted URL and application in linkedin.

Actors

- User: A web user who has both linkedin and torre bio profile and wishes to merge the first into the second.

High Level Pseudo Code

1. Display a web page that welcomes the user and asks and verifies her user ids.
    1.1. Authenticate with LinkedIn using LinkedIn Api and get profile information.
        1.1.1. Once authenticated, make a call to retrieve linkedin profile.
        1.1.2. Store information in a profile table in the server side, using a source column to identify it as "linkedin".
        1.1.3. The listed fields are:
            1.1.3.1. First Name,
            1.1.3.2. Last Name,
            1.1.3.3. Headline.

1.2. Authenticate with Torre Bio and get profile information.
  1.2.1. Ask user for Torre Bio PersonId.
  1.2.2. Retrieve profile information from Torre Bio.
  1.2.3. Store information in the profile table in the server side, using a source column to identify it as "Torre Bio".
  1.2.4. The retrieved information is:
    1.2.4.1. Name,
    1.2.4.2. E-mail,
    1.2.4.3. Professional headline,
    1.2.4.4. Location,
    1.2.4.5. Phone.
2. Show information from both linkedin and Torre Bio and allow user to select what information to merge into the Torre Bio profile.
  2.1. The merging criteria is as follows:

Linked In	Torre Bio
First Name & Last Name	Name
Headline	Professional Headline
none	e-mail
none	Location
none	Phone

  2.2. Output this formatted information to the user web page, allowing her to select what she wants to merge into the Torre Bio profile.
    2.2.1. The default selection will be the linkedin's first name & last name and the headline fields.
3. Show two buttons to the user:
  3.1. Start over: if clicked:
    3.1.1. All the user's stores information is deleted from server and local cookies.
    3.1.2. A new empty form is displayed.
  3.2. Merge information: if clicked:
    3.2.1. The server updates the selected information into the Torre Bio profile,
    3.2.2. Gets the Torre Bio response.
      3.2.2.1. If error: shows the error to user and the button start over.
      3.2.2.2. If successful, retrieves again the Torre Bio information and shows the same information as step 2 together with a "Successful" message.

Future Enhancements

- Allow user to refresh the linkedin profile without the need to start over.
- Allow user to refresh Torre Bio profile without the need to start over.
- Allow user to edit in the webpage the information before it is merged into the Torre Bio profile.