

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
<i>none</i>	e-mail
<i>none</i>	Location
<i>none</i>	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

- Retrieve user's picture from LinkedIn and show it in the web page.
- After authentication and basic user profile retrieval from LinkedIn, add a second call to retrieve location, country and e-mail, so these fields can be added to the selection table that is shown to the user.
- 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.