# Functional specification: Tandem website

## Site’s purpose

The purpose of this site is to allow people to find a language partner by criteria such as geographical location, language to learn, age, etc.

## Pages

### Welcome page

This page presents the purpose of the site and allows the user to log in or register to site. The page will provide links to information pages on the project.

### Log in page

Displayed in a pop-in.

* textbox fields:
  + Login
  + Password.
* Buttons:
  + Accept. Two possible outcomes:
    - OK: Go to main page
    - NOK: Feedback message presented on the pop-in indicating the issue
  + Cancel: One possible outcome
    - Close the pop-in
* Check box
  + Keep me logged-in?
* Link
  + I forgot my password

### Register page

Displayed in a pop-in. This page must guarantee that the mandatory fields are filled and that their format is valid. If the registration goes OK, go directly to the main page, if not the validation problems are shown directly on the registration page

Mandatory fields:

* Login - textbox: Must be an unused login name in the community
* Password - textbox
* Email - textbox: Valid email address.
* Languages Spoken - Combo box: Limit imposed by the technical limitations
  + Define level
    - Defaults value native. To be changed after first login
  + The first language spoken will be the default language for the interface of the site
* Languages learnt: Limit imposed by the technical limitations
  + Define level
    - Defaults value beginner. To be changed after first login
* Location. Propose the user location if possible or let him choose it form a map. The value will be stored as coordinates to propose tandems using the radius as a parameter.
  + Note: Allow multiple locations (n-n relationship between users and locations)

Optional fields (to be completed upon first connection if possible)

* Profile photo
  + Format/size imposed by technical limitations.
  + Explore menu to choose the picture
* Gender. Radio box with the available values:
  + Man
  + Woman
  + Don’t answer
* Date of birth
* Availability:
  + Everything checked by default
  + Displayed as a grid with the days of the week with divisions every hour
  + Note: This grid with allow to match only tandems with compatible schedules

### Main page

This page has all the elements necessary for a tandem search:

* Map. Centered in the default location specified by the user (if logged in)
  + If possible, have an interface so we can easily change the implementation behind (Google , Bing, …)
* actions:
  + Log-out: log-out without confirmation
  + Log-in: Display login pop-in
  + Search (Button)
    - Perform a search based on the search criteria
    - Two display result options:
      * Map. The thumbnails of the matching profiles are displayed directly on the map
      * List. The matching profiles are displayed in a list ordered by vicinity
  + Clear Results (Button)
  + Use location (pop-in with my stored locations)
  + Click over a thumbnail (after a search)
    - Display the information of the profile
* Search criteria:
  + Language to learn:
    - Combo box
    - with a default value amongst the spoken languages (if logged in)
    - Mandatory
  + Language offered:
    - Combo box
    - with a default value of the spoken values (if logged in)
    - Mandatory
  + Only compatible with my schedule
    - Checkbox.
  + Partner criteria:
    - Age between. Two text areas
    - Gender. Checkbox
  + Radius:
    - Combo box (so we can limit the maximum area and the maximum number of results)
* Links:
  + My profile
    - Display list of different tabs of my profile:
      * My personal information
      * My languages
      * My availability
      * My locations
      * Log-out/ Log-in:
        + log-out without confirmation
        + Display login pop-in
  + My tandem partners
  + My Notes:
    - Display list of different types of notes:
      * My recordings
      * My notes
      * My vocabulary

### Profile information (Map display. in a search context)

This page is shown in a pop-in mode. It allows the user to request a tandem with the contact displayed. The request can only be sent if the user is logged in (the search can be performed by an unregistered user, but the request can only be sent by a logged user).

The principal profile information about the person is displayed.

Actions:

* Close. Return to the map
* Send tandem request
* Send add to my tandem list

### Profile information (List display. in a search context)

All the relevant information about the contact is displayed in the list and the action button send a request is displayed. The request can only be sent if the user is logged in (the search can be performed by an unregistered user, but the request can only be sent by a logged user).

Actions:

* Perform a new search. We’re redirected to the map search page. The search criteria are not stored for the new search
* Refine my search. We’re redirected to the map search page. The search criteria are stored for the new search
* Send request of a tandem. We’re redirected to the tandem request page
* Add to my tandem partners. We’re redirected to the add tandem page

### Tandem request page

Page to send a request to make a tandem. Page shown as a pop-in.

* Text area so the user can write a message to the person he is asking to have a tandem with
* Actions:
  + Send request. Show outcome message (pop-in):
    - If NOK: try again or cancel
    - If OK: Close
  + Cancel: Close the pop-in

### Add tandem page: “tandemship” request

Page to send a request of “tandemship” request. Page shown as a pop-in.

* Text area so the user can write a message to the person he is asking to become tandem friends
* Actions:
  + Send request. Show outcome message (pop-in):
    - If NOK: try again or cancel
    - If OK: Close
  + Cancel: Close the pop-in

### My profile

All this pages are shown by default in read-only mode. One by each tab.

All the tabs share the same actions:

* Edit: We enter in edit mode
* Save: Store the modifications and go back to read-only mode
* Cancel: Forget the modifications and go back to read-only mode

All the fields can be changed unless except for the fields we’re it is indicated it cannot

* My personal information
  + Login: Cannot be changed
  + Photo
  + Email
  + Date of birth
  + Old password
  + New password
  + Confirm new password
* My languages
  + The languages can be modified at will but it must always be at least an offered language and a learning language
  + There must be a value for each chosen language
* My availability
  + Grid with the availability
* My locations
  + My stored locations

### My tandem partners

Display a list of my tandem partners. There are buttons on each profile thumbnail:

Actions:

* Send message (show confirmation message afterwards)
* Unfriend (show confirmation message afterwards)
* See history. Redirect me to the history of conversations with that user (My messages filtered by user)

### My messages / Notifications

Display my messages in thumbnails.

* The thumbnail contains:
  + The user
  + The date
  + The beginning of the conversation
* Actions
  + Search: Search over the messages using the following criteria
    - User
    - Date
  + Click over a Message
    - Display the message entirely

### My notes (evolution)

* My recordings
* My notes
* My vocabulary