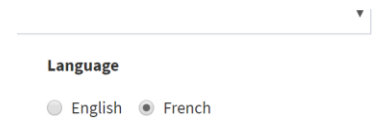


# Translation

## Language and user

With the creation of users, you will indicate the language to be used in the system. The system can be available in different language. In this example, it's English and French.



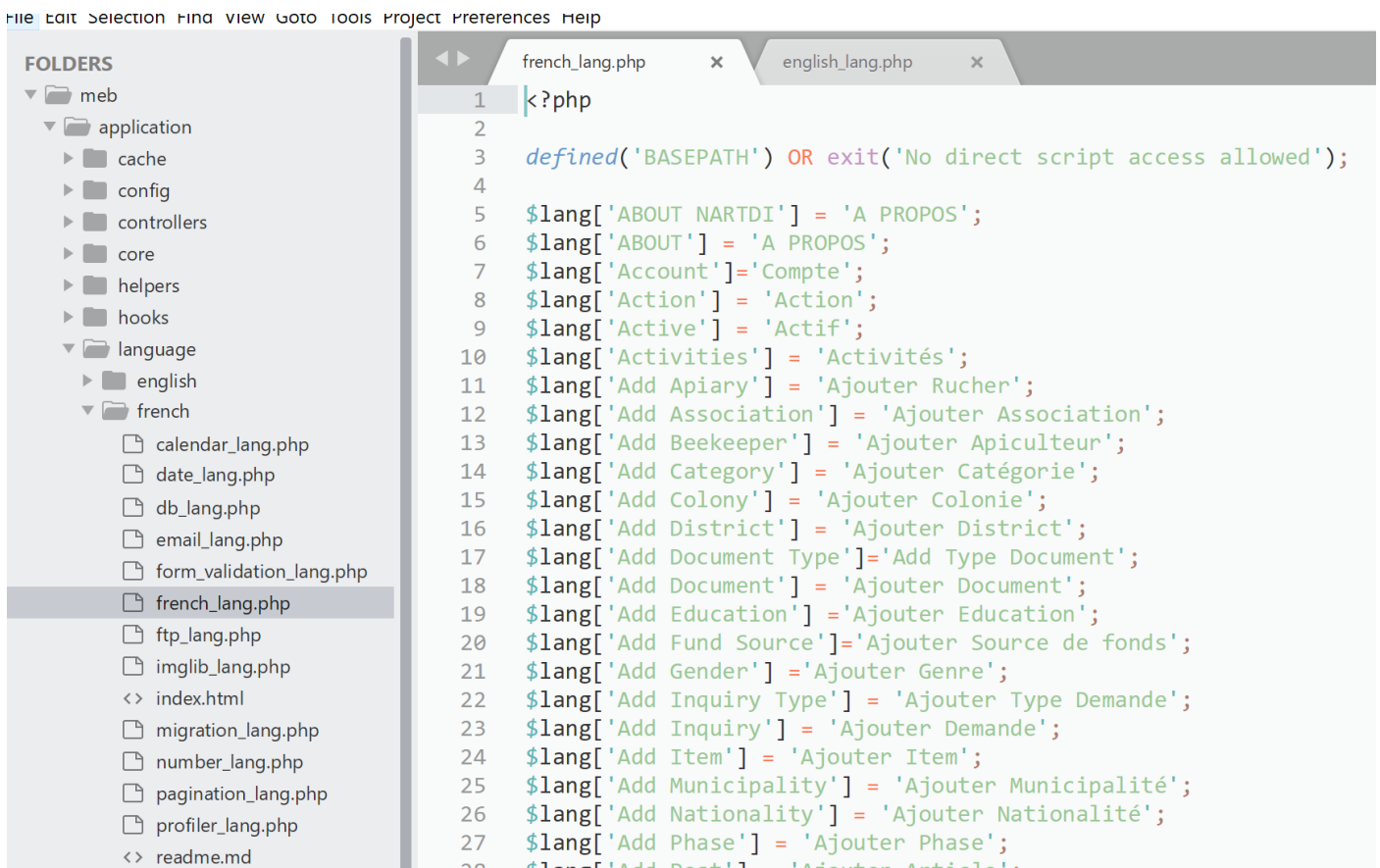
## Language class

The language class is used for the translation of each titles in the system and for the messages from CodeIgniter.

In your CodeIgniter system folder, you will find a language sub-directory containing a set of language files for the English idiom. The files in this directory (system/language/english/) define the regular messages, error messages, and other generally output terms or expressions, for the different parts of the CodeIgniter framework.

You can create or incorporate your own language files, as needed, in order to provide application-specific error and other messages, or to provide translations of the core messages into other languages. These translations or additional messages would go inside your application/language/ directory, with separate sub-directories for each idiom (for instance 'french').

When CodeIgniter loads language files, it will load the one in system/language/ first and will then look for an override in your application/language/ directory.



In the English part of the language, you will find all the titles and messages that are used in the forms. You need to have the customize title in both languages: English and French. The language class will call the line and replace the field with the appropriate translation depending on the user preference.

## Sequence for translation

First, the user is identified and the language preference is kept in the session variable language. The form **/application/controller/Auth.php** will create the session variable language.

```

/*
 * Check if the login form is submitted, and validates the user c
 * If not submitted it redirects to the login page
 */
public function login()
{
    $this->logged_in();

    $this->form_validation->set_rules('username', $this->lang->lir
    $this->form_validation->set_rules('password', $this->lang->lir

    if ($this->form_validation->run() == TRUE) {
        // true case
        $username_exists = $this->model_auth->check_username($this

        if($username_exists == TRUE) {
            $login = $this->model_auth->login($this->input->post('

            if($login) {
                $logged_in_sess = array(
                    'id' => $login['id'],
                    'email' => $login['email'],
                    'username' => $login['username'],
                    'language' => $login['language'],
                    'logged_in' => TRUE
                );
            }
        }
    }
}

```

After `/application/core/My_controller.php` will load the module containing the translation in Mongolian.

```

//--> If the language is French, we load the language file
// This instruction set_item is working only if it's in construct...
// If the language is English, it's the default of CodeIgniter
// Because we need translation for each term in the system
// we need also to create a language file with these terms for english.
// English Translation: application/language/english/english_lang.php
// French Translation: application/language/french/french_lang.php

if($this->session->language == 'en') {
    $this->config->set_item('language', 'english');
    // Load language files English
    $this->lang->load('english_lang', 'english');
    $this->lang->load('calendar_lang', 'english');
    $this->lang->load('date_lang', 'english');
    $this->lang->load('email_lang', 'english');
    $this->lang->load('form_validation_lang', 'english');
    $this->lang->load('ftp_lang', 'english');
    $this->lang->load('imglib_lang', 'english');
    $this->lang->load('migration_lang', 'english');
    $this->lang->load('number_lang', 'english');
    $this->lang->load('pagination_lang', 'english');
    $this->lang->load('profiller_lang', 'english');
    $this->lang->load('unit_test_lang', 'english');
    $this->lang->load('calendar_lang', 'english');
    $this->lang->load('upload_lang', 'english');
    $link_language = array('link_language' => base_url('assets/bower_components/datatables.net/English.json'));
    $this->session->set_userdata($link_language);
}
else {
    $this->config->set_item('language', 'french');
    // Load language files French
    $this->lang->load('french_lang', 'french');
    $this->lang->load('calendar_lang', 'french');
    $this->lang->load('date_lang', 'french');
    $this->lang->load('email_lang', 'french');
    $this->lang->load('form_validation_lang', 'french');
}

```

The dataTable used in the system for listing the information is not a CodeIgniter facility, so it's not translated in the language directory. It's a jQuery facility and the translation have been copied in `/assets/bower_components/datatables.net/English.json` or `French.json` depending on the language.

In Javascript, the parameter 'Language' will indicate which language will be used in the list tables.

```

// initialize the datatable
manageTable = $('#manageTable').DataTable({
    'ajax': base_url + 'apiary/fetchApiaryData',
    'language': {'url': "<?php echo $this->session->link_language; ?>"},
    'order': [[0, 'asc']]
});

```