

Installation guide

TER Project

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2. Introduction

2.1. Objectives

The purpose of this document is to describe how to install and set up the application.

2.2. Reference documents

Reading the Project Report may help understand this document.

3. Reading guide

It is important to follow this installation manual in the right order so as not to miss any steps. Indeed it is necessary to start with the installation of the hardware before installing the software, you can then start the configuration.

4. Concepts

The application is used to annotate the relevance of words, documents and snippets regarding a topic. It is intended to be used by experts in the field of the topic and by administrators who need the results of annotations, usually to test the performance of search engines.

The type of annotation requested (word annotation, document annotation or both) is defined for the entire annotation campaign. The type of document to annotate (document, snippet or both) is also the same through the whole campaign.

Several experts and administrators must be able to access the application simultaneously and privately, so there are several sessions and an authentication system. Experts have access to the assessment functionality which is used to annotate the relevance of documents. Administrators can download the completed and uncompleted assessment files as well as adding new experts and assessments to the database (via files).

5. Hardware installation

Make sure you are connected to the internet

Without internet connection it is only possible to run the application locally for testing purposes.

Install PHP

to run the application you need to have PHP on your computer.

you can read the following guides to install php :

Windows : <https://www.php.net/manual/fr/install.windows.php>

UNIX : <https://www.php.net/manual/fr/install.unix.php>

macOS : <https://www.php.net/manual/fr/install.macosx.php>

Install composer

get composer from this link <https://getcomposer.org/>

Composer is a tool for dependency management in PHP. It allows you to declare the libraries your project depends on and it will manage them for you.

Install it globally on your computer. You may need to know about setting global environment variables depending on your system.

Verify composer is well installed globally by doing `composer -v` in the console. The composer version should appear.

6. Software installation

git clone the project

Install git for your system [Git - Downloads \(git-scm.com\)](https://git-scm.com)

Go to the github page <https://github.com/GentilBastien/Projet-TER> and clone it wherever you want on the server.

To do so, use the *git clone* command in the console.

7. Software settings

Edit .env file

The full path to the database must be specified in the DB_DATABASE attribute.

Ex:

```
DB_DATABASE = "D:\Users\...\database\database.sqlite"
```

The type of db must be specified in the DB_CONNECTION attribute.

Ex:

```
DB_CONNECTION = sqlite
```

As you don't need the other DB parameters you can put them in comments with a #.

Edit Settings.php file

Go to app\Models and find Settings.php

Edit the EXPORT_PATH attribute to refer to the full path of the exported folder which is located at the root of the project.

Edit the RESSOURCES_PATH attribute to refer to the full path of the folder containing the campaign files.

8. Data installation

Fill up the resources folder

The resources folder is located at the root of the project. It is necessary to add all the files of the campaign to this folder and that they are in the correct format as specified in the Pages and Files Specification document. If a file is missing or does not have the correct structure, the application will return an error on launch.

Here are the list of the files:

- admins.xml
- assignments.txt
- campaign.xml
- documents.xml
- experts.txt
- snippets.xml
- tags_global.xml
- tags_words.xml
- topics.xml

In the resources folder you should have a documents folder in which the campaign documents are stored in .txt format. When documents.xml refers to local documents, these documents must be placed in the resources/documents folder

Make sure the table is empty

Write this line command:

```
php artisan db:wipe
```

Run the campaign

```
php artisan serve --host ip_adress --port port_to_use
```

9. Further information

If when using the artisan commands you get the error "Could not open input file: artisan" it is probably because you tried to use the command in the wrong directory. If it was the right directory, try the "compose update" command in it.

10. Glossary

Abstract: the annotatable part of a **document** or **snippet**.

Administrator: the person in charge of the management of the overall **assessment**.

Annotation: one annotation consists in setting a degree of **relevance** to one word (word annotation), **snippet** or **document** (global annotation).

Assessment: one assessment consists, for an expert, in annotating one **snippet/document** for a given **topic**.

Corpus: set of **documents** on which the relevance is evaluated.

Campaign: the organization of the rating campaign. It is defined by an ID, its activation state, the type of target (**snippets** or **documents**), the type of assessment (**global** and/or **words**), a description and rating instructions.

Document: a document is a long string defined by an ID and an internal URI or external URL.

Expert: the person who has knowledge about the **topic**. He uses the application to do the **assessment**.

Global relevance: the relevance degree of a document or snippet in its entirety. It has to be set by the **expert**.

Relevance: the degree of global relevance and word relevance is evaluated on a scale defined in the **campaign**.

SERP: search engine result page.

Snippet: one snippet refers to one **document**. It is displayed in a frame, gives the title and a short preview of this document.

Topic: the query against which the **experts** must annotate the **relevance** of the **documents** and/or **snippets**. It is a character string.

Word relevance: the relevance degree of a word of the **abstract**. It has to be set by the **expert**.

11. References

The github page <https://github.com/GentilBastien/Projet-TER>

Composer <https://getcomposer.org/>

Laravel documentation <https://laravel.com/docs/9.x>

Pages and Files specifications [link](#)