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## CorporaDB

Database for collecting and refining corpus data. SQL database with web interface for users and API for direct SQL requests.

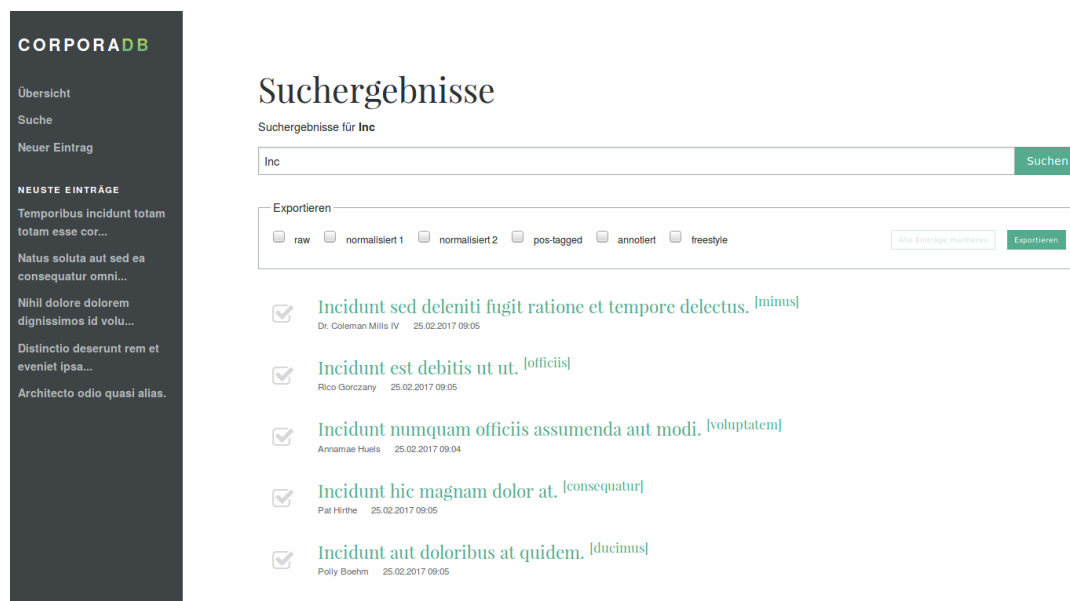


Figure 1: Screenshot of CorporaDB search screen

## Installation

1. `git clone git@github.tik.uni-stuttgart.de:ac128227/db-corpora.git`
2. `composer install`
3. `php artisan migrate:install # initiate migrations`
4. `php artisan migrate # migrate predefined tables to database`
5. `php artisan storage:link # enable public file upload`
5. `php artisan serve`

*Composer and PHP have to be installed previously.*

## Configurations

```
cp .env.example .env # copy environment variables for productive usage
```

After copied `.env.example` to `.env` the environment variables are active. This file should not be versioned, because it contains database credentials etc. Inside the prefilled environment variables the database settings are configured for a Homestead setup. You can also use an ordinary MySQL sever to hold your data.

## File Structure

As framework we are using Laravel 5.4 and serving from a self hosted server. For now this software is **heavily under construction**.

```
.env -----| stores database credentials etc.
app/ -----| main application files
  Http/ -----| processing http requests
    Controllers/ ----| main controllers for application
    Provides/ -----| connecting routes with controllers
config/ -----| general configurations
database/ -----| database settings
  factories/ -----| generating automated seeds for database
  migrations/ -----| creating new database tables
  seeds/ -----| automatically fill database
public/ -----| distributed folder (DO NOT CHANGE MANUALLY)
resources/ -----| resources necessary for the front end only
  lang/ -----| translations for system wide notifications etc.
  views/ -----| blade (template engine) files
    components/ ----| partial templates for extending inside layout files
routes/ -----|
  web.php -----| stores routes for browser requestes
```

## Optional: Enabling Git Hooks

To provide all markdown files also as human readable PDF files use the following `git-hook`:

```
rm -rf .git/hooks && ln -s ../.hooks .git/hooks
```

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## **License**

This software is distributed under GNU GPL.