

Monwoo Web Starter Symfony PDF Billings (Free)



Build by Miguel Monwoo, **Open Source Apache-2.0 with Copyright © MONWOO 2017-2024**

www.monwoo.com/don

Aim

Provide a PHP local tool for pre-fillable self signed PDF billing templates. Bonus : Basic controller ok for simple JWT authentication if needed.

Demonstration

[@demo mws.monwoo.com/demos/sf-pdf-billings/](https://demo.mws.monwoo.com/demos/sf-pdf-billings/)

Codeception PHP test report example : https://mws.monwoo.com/demos/sf-pdf-billings/tests/_output/report.html

Custom test report example : <https://mws.monwoo.com/demos/sf-pdf-billings/tests/report/>

TODO

- clean the doc, remove useless cmd, narrow quick start / dev / tests / prod

Build

```
# tested under php 8.1.2
# Other php versions might work, but it's not tested yet.
php -v

# curl -sS https://getcomposer.org/installer | php
wget https://getcomposer.org/composer.phar
alias composer="php '$PWD/composer.phar'"
cd apps/mws-sf-pdf-billings/backend

mkdir config/jwt
openssl genrsa -out config/jwt/private.pem -aes256 4096 # pass : jwt_test
openssl rsa -pubout -in config/jwt/private.pem -out config/jwt/public.pem
# pass : jwt_test

rm .env.local.php
cp .env.dev.dist .env # Env for Symfony AND Svelte frontend

export APP_ENV=dev
# Same for packages first :
(cd ../../../../packages/mws-moon-manager && composer install)
composer install
php bin/console assets:install --symlink public
```

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```
# TODO : Just fill the form or pre-fill by json POST request...  
open http://localhost:8000
```

Build for Production

```
# Clean all un-wanted files for production :
rm -rf **/node_modules

# re-install for production only (Angular, etc...) :
# pnpm install --prod

# TIPS : if you use optional features in packages.json :
# rm -rf **/node_modules
# pnpm install --prod --no-optional

# If you do not have mws-demo private license :
mkdir ../mws-demo

cat > ../mws-demo/package.json <<CMT
{
  "name": "mws-demo",
  "version": "0.0.0",
  "description": "Demo widget for Monwoo frontends",
  "license": "UNLICENSED",
  "private": true
}
CMT

mkdir -p ../mws-demo/assets/svelte/controllers
cat > ../mws-demo/assets/svelte/controllers/MwsDemoWidget.svelte <<CMT
<p>No Mws demo Yet</p>
CMT
cat > ../mws-demo/assets/app.js <<CMT
// nothing yet
CMT

# CLEAN DEV ENV (will lose your dev, be sure of it :)
rm -rf mws-sf-pdf-billings.zip var vendor config/jwt .env.local.php

# Install symfony first since js might depends of it
# tested under php 8.1.2
# Other php versions might work, but it's not tested yet.
php -v
wget https://getcomposer.org/composer.phar
alias composer="php '$PWD/composer.phar'"
cd apps/mws-sf-pdf-billings/backend

# Clean possible dev configs (if no previous prod builds...)
# mkdir -p config-disabled/packages config-disabled/routes
# mv config/routes/web_profiler.yaml config-disabled/routes/
# mv config/packages/debug.yaml config/packages/web_profiler.yaml \
# config-disabled/packages/

export APP_ENV=prod
```

```
cp .env.prod.dist .env # Env for Symfony AND Svelte frontend
# echo 'APP_ENV=prod' > .env
# cp .env.prod.distXXX .env.prod # put your private extended PHP Symfony
info inside...

# Build for production
mkdir config/jwt
# WARNING : use hard pass other than : jwt_test (and setup accordingly in
.env.prod)
openssl genrsa -out config/jwt/private.pem -aes256 4096
openssl rsa -pubout -in config/jwt/private.pem -out config/jwt/public.pem

# Same for packages first :
rm ../../../../packages/mws-moon-manager/composer.lock
(cd ../../../../packages/mws-moon-manager && composer install \
--no-ansi --no-dev \
--no-interaction --no-scripts --no-progress \
--optimize-autoloader)

# APP_ENV=prod composer install --no-dev
rm composer.lock
APP_ENV=prod composer install --no-ansi --no-dev \
--no-interaction --no-scripts --no-progress \
--optimize-autoloader

# For private composer build :
COMPOSER=composer.private.json APP_ENV=prod \
composer install --no-ansi --no-dev \
--no-interaction --no-scripts --no-progress \
--optimize-autoloader

# generate .env.local.php
APP_ENV=prod composer dump-env prod

# refresh assets :
# php bin/console --env=prod assets:install
php bin/console --env=prod assets:install --symlink public
# php bin/console assets:install --symlink public
bin/console fos:js-routing:dump --format=json --target=assets/fos-
routes.json

pnpm install

# bootstrap database
rm var/data.db.sqlite # clean old one
php bin/console doctrine:migrations:migrate -n

# bootstrap one user ONLY, remove others :
php bin/console mws:add-user -c 1

cp var/data.db.sqlite var/data.gdpr-ok.db.sqlite
# OR : if you prefer to have some test data loaded :
cp tests/_data/data.gdpr-ok.db.sqlite var/data.gdpr-ok.db.sqlite
```

```
git log --pretty='%x\tx\t%ai' --numstat \
-i --grep='\[mws-pdf-billings\]' \
--grep='\[mws-moon-manager\]' \
--branches --tags --remotes --full-history \
--date-order --date=iso-local > git-logs.tsv

# rebuild assets for production :
pnpm run build

# clean un-wanted node module files, all is now build
# cd - # DO it at repo root since may not follow symlinks for delete
# rm -rf **/node_modules
# cd - # TIPS : using " -x '**/node_modules/**'" to avoid node module

APP_ENV=prod composer dump-env prod
rm -rf var/cache var/log

zip -r mws-sf-pdf-billings.zip \
.htaccess composer.json package.json config public src \
templates translations \
vendor var .env.local.php \
-x '**/node_modules/**'

du -sh mws-sf-pdf-billings.zip

# test local prod (if no base href configs ?)
APP_ENV=prod symfony server:start \
--no-tls --port=8007 --no-humanize 2> /dev/null &

# then, navigate to '/factory/reset' to rest all CRM data
curl http://localhost:8007/factory/reset
kill %1

# Then updates for your own gdpr ready db with your navigator
# Ensure data ok on next reset (Warn : not a media backup)
cp var/data.db.sqlite tests/_data/data.gdpr-ok.db.sqlite
cp tests/_data/data.gdpr-ok.db.sqlite var/data.gdpr-ok.db.sqlite

# clean for local dev :
rm .env.local.php
```

Build production for debugs (for full pre-prod debugs)

```
# tested under php 8.1.2
# Other php versions might work, but it's not tested yet.
php -v
alias composer="php '$PWD/composer.phar'"
cd apps/mws-sf-pdf-billings/backend

# CLEAN DEV ENV (will lose your dev, be sure of it :)
rm -rf mws-sf-pdf-billings.zip var vendor config/jwt .env.local.php

# bring back dev configs (that MIGHT move due to production builds)
mv config-disabled/packages/* config/packages/

export APP_ENV=dev

# Build for production
mkdir config/jwt
# WARNING : use hard pass other than : jwt_test (and setup accordingly in
.env.prod)
openssl genrsa -out config/jwt/private.pem -aes256 4096
openssl rsa -pubout -in config/jwt/private.pem -out config/jwt/public.pem
# pass : jwt_test

# Same for packages first :
(cd ../../../../packages/mws-moon-manager && composer install)

# APP_ENV=prod composer install --no-dev
composer install

# bootstrap database
php bin/console doctrine:migrations:migrate -n
cp var/data.db.sqlite var/data.gdpr-ok.db.sqlite

# bootstrap one user ONLY to let it be change and do wiziwig updates :
php bin/console mws:add-user -c 1

# build assets for dev :
pnpm run dev

zip -r mws-sf-pdf-billings.zip .env.dev \
.htaccess composer.json config public src \
templates translations \
vendor var .env
```

Launching Tests for debugs

```
alias composer="php -d memory_limit=2G '$PWD/composer.phar'"
cd apps/mws-sf-pdf-billings/backend

export APP_ENV=dev
# Same for packages first :
(cd ../../../../packages/mws-moon-manager && composer install)
composer install

# Re-do manually if you change some routes path :
bin/console fos:js-routing:dump --format=json --target=assets/fos-
routes.json

# watch assets for code changes to work
# on full page reloads without caches
# (keep it running in new terminal) :
pnpm run watch

# TODO : doc for e2e tests
# alias symfony=~/.symfony5/bin/symfony"
alias symfony=~/.symfony6/bin/symfony"
symfony server:start
```


Going further

```
# TIPS : in DEV ONLY : NEED
export APP_ENV=dev
# Same for packages first :
(cd ../../../../packages/mws-moon-manager && composer install)
composer install # in case of env change

# usefull :
php bin/console debug:form

# add users
php bin/console make:user
# list of available make commandes
php bin/console list make

# other tools for models :
php bin/console make:entity BillingConfig

rm src/Form/BillingConfigType.php
# might be needed to succed commands
# (still loading BillingConfigType from cached php files )
rm -rf var/cache
# # use below if you have error on missing BillingConfigType :
# mv src/Form/BillingConfigSubmittableType.php \
# src/Form/_BillingConfigSubmittableType.php
php bin/console make:form BillingConfigType BillingConfig
# mv src/Form/_BillingConfigSubmittableType.php \
# src/Form/BillingConfigSubmittableType.php

# https://symfony.com/doc/current/doctrine/associations.html
php bin/console make:entity Outlay
rm src/Form/OutlayType.php
php bin/console make:form OutlayType Outlay

php bin/console make:entity Transaction
rm src/Form/TransactionType.php
php bin/console make:form Transaction Transaction

php bin/console make:entity Product
rm src/Form/ProductType.php
php bin/console make:form Product Product

# ensure your databse is clean and in sync with existing migration
# (WARNING : will reset your dev database) :
# rm var/data.db.sqlite && php bin/console doctrine:migrations:migrate -n

# Below MIGHT be ok for little change :
php bin/console make:migration
php bin/console doctrine:migrations:migrate -n

php bin/console make:entity --regenerate
```

```
php bin/console make:entity --help
# Make migration from your database diff :
php bin/console doctrine:migrations:diff --help
# If you change your model,
# you need to generate the associated migrations :
php bin/console make:migration
rm var/data.db.sqlite
php bin/console doctrine:migrations:migrate -n
cp var/data.db.sqlite var/data.gdpr-ok.db.sqlite

# add a new controller
php bin/console make:controller PdfBillings

# You can test the JWT feature with curl :
# Add a user (you will have to build up all other security aspects)
curl -X POST -H "Content-Type: application/json" \
  -d '{"username": "test", "password": "123", "email": "test@test.fr"}' \
  http://127.0.0.1:8000/api/register

# Get the JWT token from custom 'login_check' api url
curl -X POST -H "Content-Type: application/json" \
  -d '{"username": "test", "password": "123"}' \
  http://127.0.0.1:8000/api/login_check

# Load some client (if exist) :
open http://localhost:8000/?
billing_config_submittable[clientSlug]=newClient

# Create empty quotation for new client slug if do not exist
# (WRONG CSRF, but will create client with empty value if don't exist)
curl -X POST -d "billing_config_submittable[clientSlug]=test2" \
  http://127.0.0.1:8000/

# Create or update quotation for new client slug (WRONG CSRF)
curl -X POST \
  -H "application/x-www-form-urlencoded" \
  -d "billing_config_submittable[clientSlug]=test3" \
  -d "billing_config_submittable[clientName]=ClientTestedName" \
  http://127.0.0.1:8000/

# Create or update quotation for new client slug (WRONG CSRF)
curl -F billing_config_submittable[clientSlug]=test3 \
  -F billing_config_submittable[clientName]=ClientTestedName \
  http://127.0.0.1:8000/

# HANDLING Csrft with curl :
rm cookies.txt
InSrc=$(curl -c cookies.txt -b cookies.txt http://127.0.0.1:8000/ \
2>/dev/null | tr '\n' ' ')
TokenSep='billing_config_submittable[_token]' value=""
HalfPart=$(echo "${InSrc//$TokenSep/$\n}" | tail -n 1)
CSRF=$(echo "${HalfPart//\"/$\n}" | head -n 1)

curl -c cookies.txt -b cookies.txt -F
```

```
"billing_config_submittable[clientSlug]=test3" \
-F "billing_config_submittable[_token]=$CSRF" \
-F "billing_config_submittable[clientName]=ClientTestedName" \
http://127.0.0.1:8000/

# Similar (ok thanks to SF5 framework...)
curl -X POST -c cookies.txt -b cookies.txt \
-H "application/x-www-form-urlencoded" \
-d "billing_config_submittable[_token]=$CSRF" \
-d "billing_config_submittable[clientSlug]=test3" \
-d "billing_config_submittable[clientName]=ClientTestedName" \
http://127.0.0.1:8000/

# After some moment, you want to start back from fresh data.
# to clean and rebuild the database :
rm var/data.db.sqlite && php bin/console doctrine:migrations:migrate -n
# save the empty fresh database as GDPR safe :
cp var/data.db.sqlite var/data.gdpr-ok.db.sqlite

# Updating twig to bring extension if not already setup in composer.json
# twig/extensions sould depreciated and replaced by twig/extra-bundle
# as done with next command :
composer require twig
# For currency filter to work :
composer require twig/intl-extra
# https://symfony.com/doc/current/controller/error\_pages.html
composer require symfony/twig-pack
# open error page in dev :
open http://localhost:8000/index.php/_error/404

# https://symfony.com/doc/current/reference/configuration/twig.html
php bin/console config:dump-reference twig
php bin/console debug:config twig

# MacOS quick tool to resize png pictures (and convert to jpeg) :
find . -name '*.png' | sed 's/\./g/' \
| xargs -I % sips -Z 1800 \
--setProperty format jpeg \
--setProperty formatOptions 70.00 \
"%png" --out "%jpg"

# optimise your signature to avoid huge pdf outputs (Keep transparency)
sips -Z 400 \
"var/SignatureCleanV1.png" --out "var/businessSignature.png"

# optimise your signature to avoid huge pdf outputs (best compressions)
sips -Z 400 \
--setProperty format jpeg \
--setProperty formatOptions 90.00 \
"var/SignatureCleanV1.png" --out "var/businessSignature.jpg"

# Add some tests :
# php bin/console console make:functional-test
# Intalls for tests :
```

```
composer require --dev phpunit/phpunit symfony/test-pack
composer require symfony/panther --dev # required for e2e scenarios
# then use ChromeDriver :
# https://github.com/symfony/panther
# # Ubuntu :
# apt-get install chromium-chromedriver firefox-geckodriver
# # Mac Os : https://brew.sh/
# brew install chromedriver geckodriver
# # Windows : https://chocolatey.org/
# choco install chromedriver selenium-gecko-driver
# # Monwoo (Mac OS) :
# https://codeception.com/docs/modules/WebDriver#local-chrome-andor-
firefox
# https://codeception.com/docs/modules/WebDriver#usage
# https://chromedriver.storage.googleapis.com/index.html?
path=108.0.5359.71/
# In my case, for my chrome :
# wget
https://chromedriver.storage.googleapis.com/112.0.5615.49/chromedriver_mac
64.zip
# https://chromedriver.storage.googleapis.com/index.html
# rm chromedriver
# unzip chromedriver_mac64.zip
# rm chromedriver_mac64.zip
# https://github.com/symfony/panther
# On all systems, you can use dbrekelmans/browser-driver-installer to
install ChromeDriver and geckodriver locally:
composer require --dev dbrekelmans/bdi
COMPOSER=composer.private.json composer require --dev dbrekelmans/bdi
vendor/bin/bdi detect drivers

composer require codeception/module-phpbrowser --dev
COMPOSER=composer.private.json composer require codeception/module-
phpbrowser --dev

# launch the chrome webdriver (in background) :
./drivers/chromedriver./drivers/chromedriver --url-base=/wd/hub --
port=9515 &

# install test tools :
composer require --dev phpunit/phpunit symfony/test-pack
composer require --dev symfony/phpunit-bridge
php vendor/bin/simple-phpunit

# use CLI to add some tests :
php bin/console make:test

php vendor/bin/simple-phpunit tests/BillingConfigTest.php

# list recipes :
composer recipes

# Do some package AUTO-UPDATINGS :
rm -rf vendor composer.lock var/cache var/log
```

composer update

```
# Preview new translations from source codes by locale :
php bin/console translation:extract --dump-messages fr
# Update translations file from source codes by locale :
php bin/console translation:extract --format=yaml \
--as-tree=7 --force fr

# prefix, output format, domain, sorting, etc... :
php bin/console translation:extract --help

# Each time you create a new message catalog
# (or install a bundle that includes a translation catalog),
# be sure to clear your cache so that Symfony
# can discover the new translation resources:
php bin/console cache:clear

# tips : if you have some html to convert to yaml string, you can use :
open https://olayaml.com/yaml-stringifier
# Maybe : internal page and service for wysiwyg translations ?

# https://symfony.com/doc/current/translation.html
# Installing and Configuring a Third Party Provider :
composer require symfony/loco-translation-provider
# You'll now have a new line in your .env file that you can uncomment:
LOCO_DSN=loco://API_KEY@default
# Pushing Translations (OVERWRITE provider values)
php bin/console translation:push loco --force
# and Pulling (OVERWRITE local files values)
php bin/console translation:pull loco --force

# Forseen :
# https://symfonycasts.com/screencast/stimulus/controllers
php bin/console make:stimulus-controller

# We did use file structure changes to avoid not loaded bundles,
# might be possible with PHP code too :
# https://symfony.com/doc/current/bundles/extension.html

# https://symfony.com/doc/current/serializer.html
# https://okazy.github.io/symfony-docs/serializer.html
composer require symfony/serializer-pack

man md5
md5 -q /Users/miguel/Downloads/FactureMonwoo_____.yaml
# Will give you the backup file md5 hash.
# That's the same as the url param dataMD5 encoded in the QR code signature

# https://stackoverflow.com/questions/28700659/how-to-configure-tcpdf-when-installing-with-composer
rm -rf var/cache
composer dump-autoload

# TIPS Axelo : use Vite Inspector
```

```
# https://github.com/sveltejs/vite-plugin-
svelte/blob/main/docs/config.md#inspector
# [23:36, 01/08/2023] Axelo: svelte.config
# [23:37, 01/08/2023] Axelo: "@sveltejs/vite-plugin-svelte": "^2.4.2"
# [23:37, 01/08/2023] Axelo: "vite": "^4.3.9",

# php bin/console fos:js-routing:dump
bin/console fos:js-routing:dump --format=json --target=assets/fos-
routes.json

# bootstrap one user ONLY to let it be change and do wiziwig updates :
php bin/console mws:add-user -c 1
```

TESTS

```
alias symfony="~/symfony5/bin/symfony"
alias composer="php -d memory_limit=8G '$PWD/composer.phar'"

cd apps/mws-sf-pdf-billings/backend/
alias codecept="php '$PWD/vendor/codeception/codeception/codecept'"

# quick commands (unit test and dev) :
# ./drivers/chromedriver --url-base=/wd/hub &
# php -S localhost:8000 -t public/ &
# # run in some other terminal, to show our custom test dumps
# # (APP_ENV NEED to be 'dev' in your .env file to be launched) :
# php bin/console server:dump
./drivers/chromedriver --url-base=/wd/hub --port=9515 &
php -S localhost:8000 -t public/ &
# server for custom report :
php -S localhost:8015 -t ./tests/ &

# BE CARFULL, WILL ERASE EXISTING DATABASE, BACKUPS, etc :
# Clean and run test routing :
rm -rf var/data.db.sqlite var/cache var/log var/uploads bckup/
rm -rf var/data.gdpr-ok.db.sqlite var/uploads-gdpr-ok
cp tests/_data/data.gdpr-ok.db.sqlite var/data.gdpr-ok.db.sqlite
php bin/console doctrine:migrations:migrate -n
codecept clean && codecept run 'e2e' --html
open tests/_output/report.html
open http://localhost:8015/report/

# You can run separately, but tests dependencies might break, clean and
run for proper tests
# Only 01 with debugs
rm -rf var/data.db.sqlite var/cache var/log var/uploads bckup/
rm -rf var/data.gdpr-ok.db.sqlite var/uploads-gdpr-ok
cp tests/_data/data.gdpr-ok.db.sqlite var/data.gdpr-ok.db.sqlite
```

```
php bin/console doctrine:migrations:migrate -n
codecept clean && codecept run --debug --html 'report.html' 'e2e' \
'tests/e2e/t00_backups/E2E_SaveReloadResetOkCest.php:specification01Test'

# From 01 to 04
codecept clean && codecept run --html 'report.html' 'e2e' \
'tests/e2e/t00_backups/E2E_SaveReloadResetOkCest.php:specification0[1-
4]Test'

# Only 01, 03 and from 04 to 07
codecept clean && codecept run --html 'report.html' 'e2e' \
'tests/e2e/t00_backups/E2E_SaveReloadResetOkCest.php:specification0[1..3..
4-7]Test'

# Clean and regenerate database for tests data to be re-generated from
first test launch
# BE CARFULL if saved data in it, do a backup :
cp var/data.db.sqlite var/data.bckup.db
rm var/data.db.sqlite
# rebuild an empty database :
php bin/console doctrine:migrations:migrate -n
codecept clean && codecept run --html

# Re-build Actor if you update test helpers :
codecept build

# Clean cache
php bin/console cache:clear

# open custom report :
php -S localhost:8015 -t ./tests/ &
open http://localhost:8015/report/
```

Useful Links

Learn more about the power of pdf billings:

- [Décret n° 2023-377 du 16 mai 2023 - PDF signing requirements for big FR business](#)
- [Building an SPA \(SF doc\)](#)
- [QipsiusTCPDFBundle \(SF bundle for PDF\)](#)
- [PHP PDF Library](#)
- [Using simple TCPDF](#)
- [Using advanced TCPDF](#)
- [SF Form types](#)
- [Free PDF Document Importer](#)
- [Html table](#)
- [Symfony debug forms errors](#)
- [Style css borders](#)
- [Tuto for Terms of sales](#)

- [Fast, Smart Flex Recipe Upgrades with recipes:update](#)

Supports

- You can use regular features of : github.com/Monwoo/web-starters-free/issues

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- www.monwoo.com/don