Development Environment

Here is an instructions how to install a development environment for your local machine.

Install a XAMPP with PHP 8.2.+

Please install a XAMPP with PHP 8.2.+ from address below:

https://www.apachefriends.org/download.html

Important! Laravel 9 and or 10 do not work with PHP 7 and or 8.1.

Before you run composer install command in Windows PowerShell/CMD you need to enable various PHP extension in php.ini file in folder C:\xampp\php.

List of PHP extensions to enable is zip, sodium and gd. Please restart XAMPP Apache 2 after change of php.ini file.
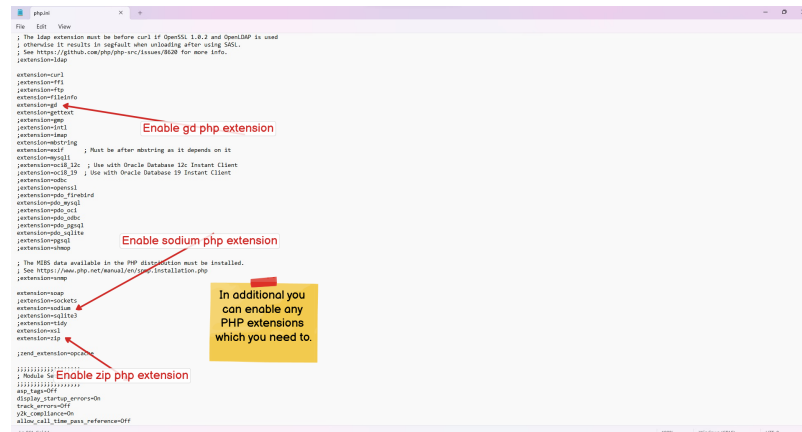
Install a Composer

Please install a composer from address below:

https://getcomposer.org/download/

Install a Node.js LTS

Please install a Node.js LTS from address below:

https://nodejs.org/en/download/

Install a TortoiseGIT

Please install a Tortoise GIT from address below:

https://tortoisegit.org/download/
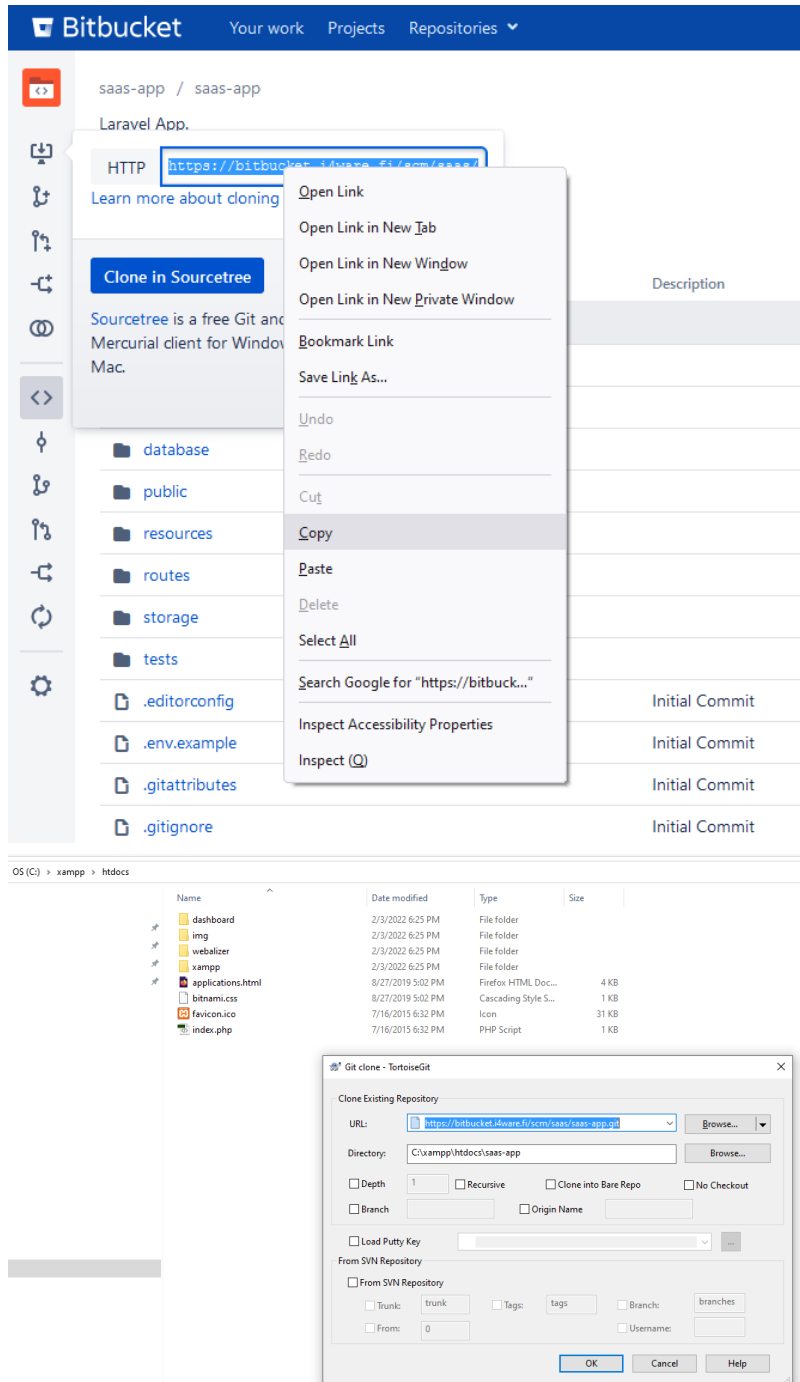
Install a Git for Windows

Please install a Git for Windows from address below:

https://gitforwindows.org/

Clone a GIT repositories with TortoiseGIT

Clone https://bitbucket.i4ware.fi/scm/saas/saas-app.git to C:\xampp\htdocs. See the Screenshots below:

Clone https://bitbucket.i4ware.fi/scm/log/login-form.git to C:\selected_folder_yours (ideal way is a clone this to you desktop). See the Screenshot below:
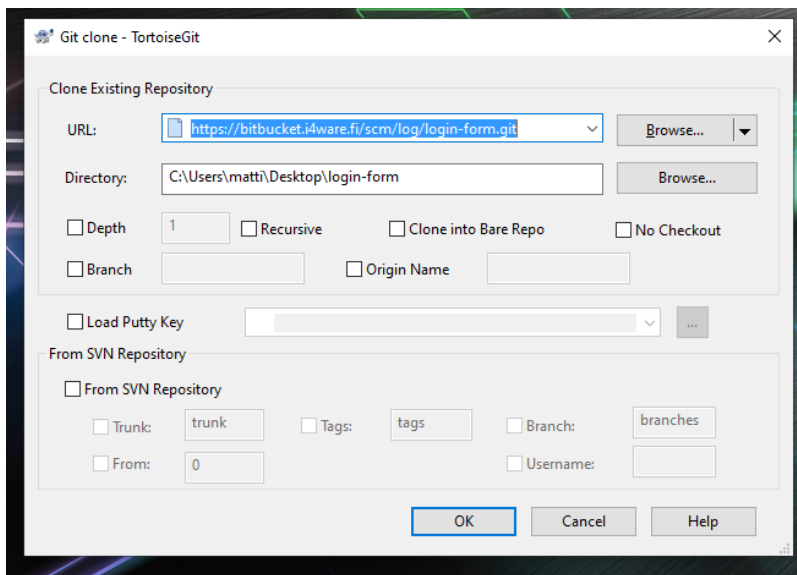
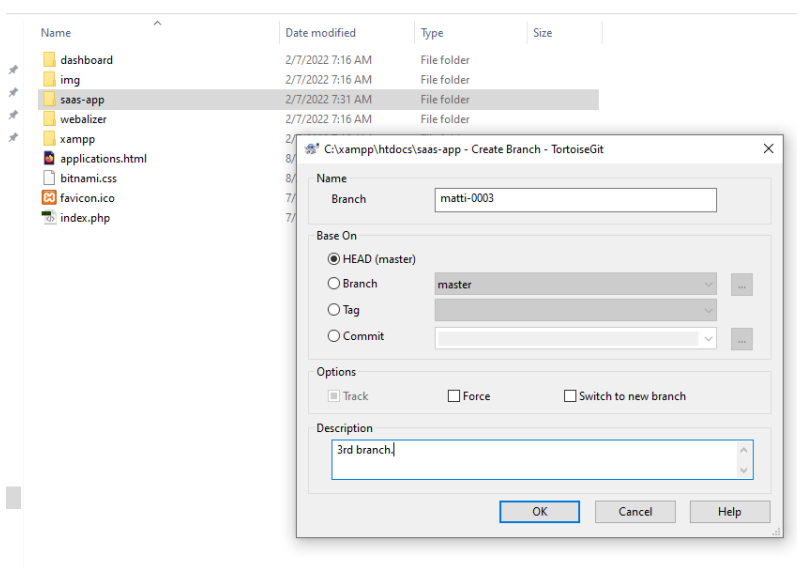**Run a XAMPP as administrator**

Important! You must run a XAMPP as administrator or otherwise it not work as needed. See the Screenshot below:
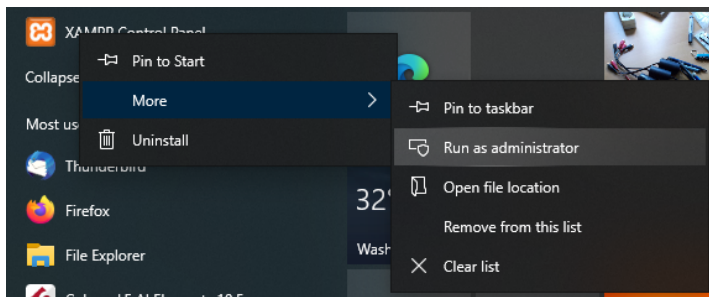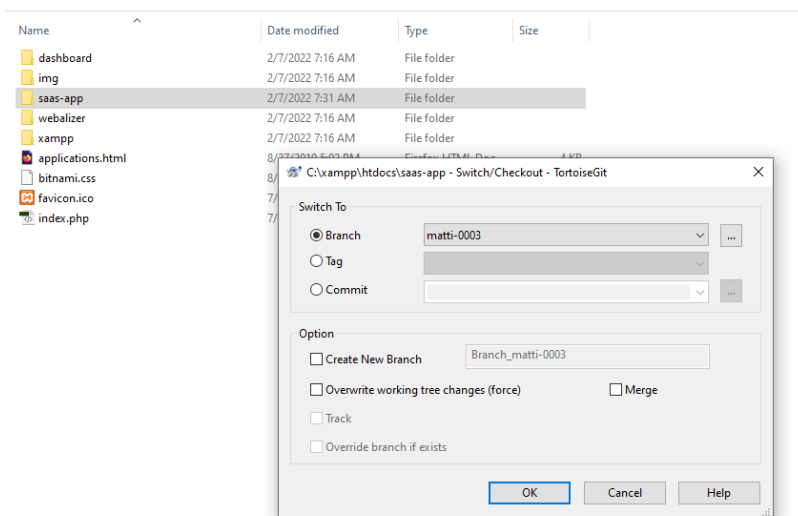

Prepare a Development in XAMPP (a Laravel PHP Back-end of this App)

Before you starting a developing this software is important you make branch. See the Screenshot below:

And then switch/checkout to your new branch. See the screenshot below:

Before composer install command in PowerShell/CMD you must configure file C:\xampp\php\php.ini like this (jsut uncommet lines below) and restart Apache 2:

extension=curl

extension=gd

; The MIBS data available in the PHP distribution must be installed.
; See https://www.php.net/manual/en/snmp.installation.php
;extension=snmp

extension=soap
;extension=sockets
extension=sodium
;extension=sqlite3
;extension=tidy
extension=xsl
extension=zip

Run a composer install. See the Screenshots below:

Copy .env-example with filename .env. See the Screenshot below:
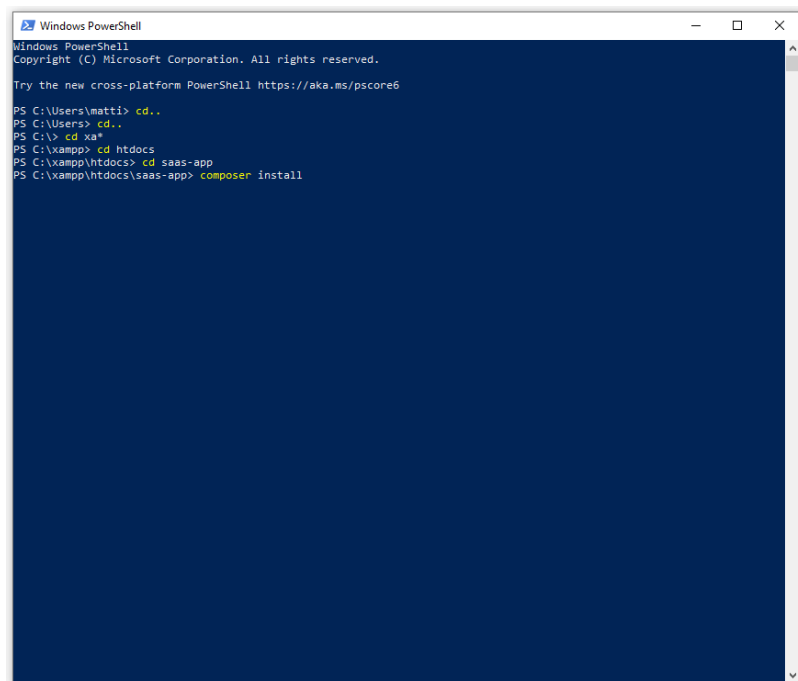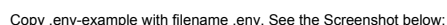
Then run a php artisan key:generate. See the Screenshots below:

saas-app
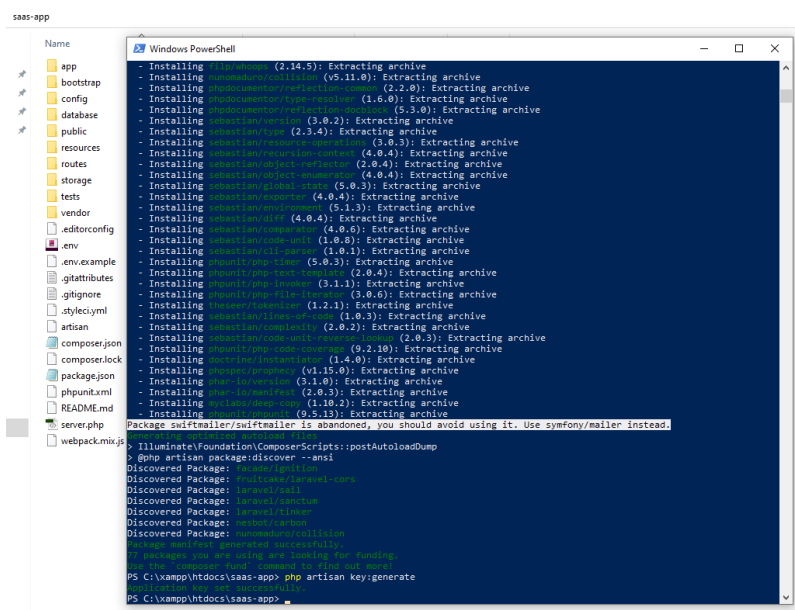
Create database forge and user forge for it. See the Screenshots below:
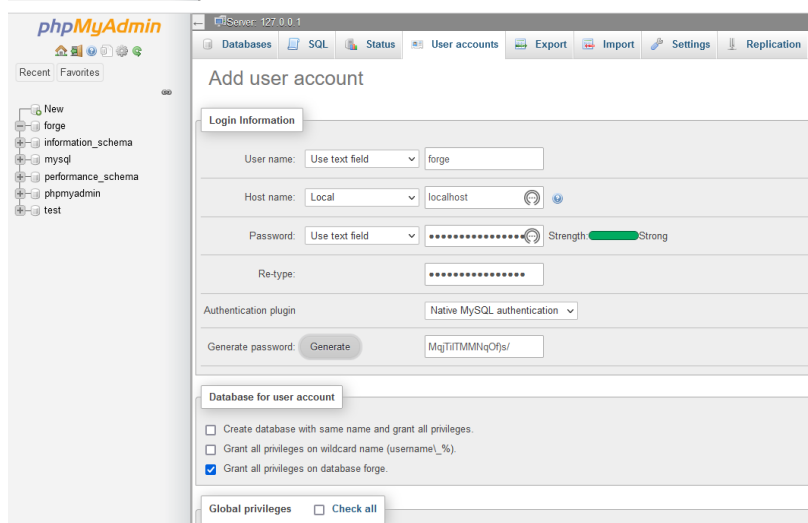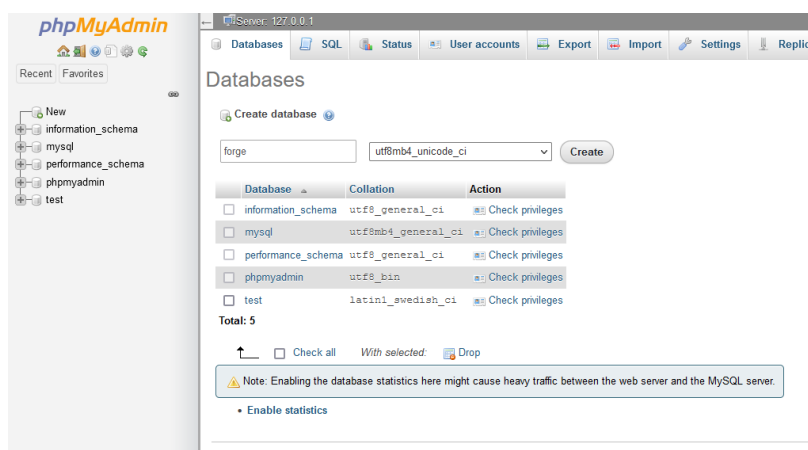
Edit .env file. See the Screenshot below:

Run php artisan migrate and then php artisan db:seed. Username that comes to table users is same then in this setting in .env file
APP_DOMAIN_ADMIN_EMAIL=matti.kiviharju@i4ware.fi and password is 12345678
See the Screenshots below:

opD+ZTClr6FPBJV2XHY8=

ic/

Check with phpMyAdmin has a databases created. See the Screenshot below:
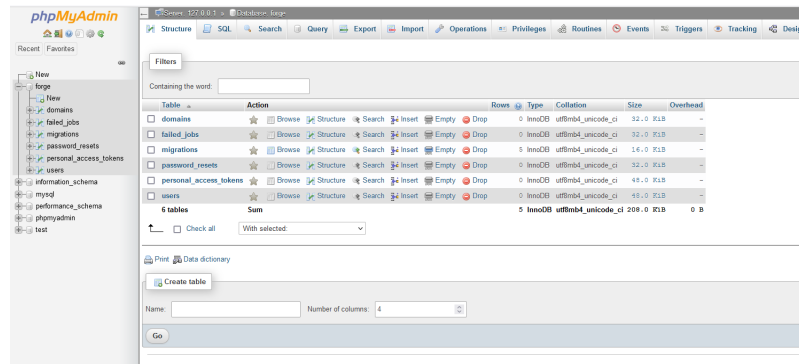
Install a Laravel Passport with command `php artisan passport:install`: See screenshot below:

Finally run command php artisan storage:link

Setting up SMTP

In .env file haves settings below:

MAIL_MAILER=smtp
MAIL_HOST=mailhog
MAIL_PORT=1025
MAIL_USERNAME=null
MAIL_PASSWORD=null
MAIL_ENCRYPTION=null
MAIL_FROM_ADDRESS=null
MAIL_FROM_NAME="${APP_NAME}"

These must be set like this:

MAIL_MAILER=smtp
MAIL_HOST=smtp.dnainternet.net
MAIL_PORT=25
MAIL_USERNAME=null
MAIL_PASSWORD=null
MAIL_ENCRYPTION=null
MAIL_FROM_ADDRESS=noreply@i4ware.fi
MAIL_FROM_NAME="${APP_NAME}"

SMTP host must be your ISP (Internet Service Provider) public SMTP on basic consumer Internet Connections.

Telia: mail.inet.fi
Kolumbus / Elisa: mail.kolumbus.fi tai smtp.kolumbus.fi
Welho: smtp.welho.com
Saunalahti / Jippii: posti.saunalahti.fi
Bittiguru: smtp.palvelukanava.fi (vain autentikoiden)
MTV3 / luukku.com : määritellään MTV3:n sähköpostiosoitteen mukaan
Jippii: mail.jippii.fi
Saunalahti: posti.saunalahti.fi
DNA: smtp.dnainternet.net
NIC: smtp.nic.fi
Baana: smtp.pikabaana.net
MB-Net: mail.mbnet.fi
SurfEU: mail.surfeu.fi
SOON: smtp.sooninternet.net
Song Networks: smtp.song.fi
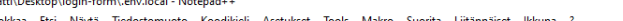Netsonic: smtp.netsonic.fi

Prepare a ReactJS front-end

It is important you going to do a branch before you going to change a source code.

Run npm install. See the Screenshot below:

Create a .env.local file for your ReactJS App and edit it. See the Screenshot below:

Run npm start. See the Screenshot below:

All needed steps has done now

If you see a App in your web-browser below then all you need for start to developing our software has done!

Welcome

Name

Enter name

We'll never share your name with anyone else.

Email address

Enter email

We'll never share your email with anyone else.

Domain (E.g i4ware).

Enter domain

We'll never share your domain with anyone else.

Password

Password

Confirm Password

Confirm Password

Register

Already have an account? Login here