

Web Programming Advanced Job Sheet 1



From:

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I use Linux on my laptop, so the installation will be different from the job sheet.

1. Installing Composer

To install Composer I use Pacman. Pacman is a package manager for arch Linux.

- Run `sudo pacman -S composer` to install composer.

```
Terminal - linux new - s mundane
22:07:18 [54/55]
-> zharsuke@box ~ sudo pacman -S composer
[sudo] password for zharsuke:
resolving dependencies...
looking for conflicting packages...

Packages (1) composer-2.7.1-1

Total Download Size: 0.54 MiB
Total Installed Size: 2.84 MiB

:: Proceed with installation? [Y/n] y
:: Retrieving packages...
composer-2.7.1-1-any 552.2 KiB 484 KiB/s 00:01 [#####] 100%
(1/1) checking keys in keyring [#####] 100%
(1/1) checking package integrity [#####] 100%
(1/1) loading package files [#####] 100%
(1/1) checking for file conflicts [#####] 100%
(1/1) checking available disk space [#####] 100%
:: Processing package changes...
(1/1) installing composer [#####] 100%
:: Running post-transaction hooks...
(1/1) Arming ConditionNeedsUpdate...
-> zharsuke@box ~ composer

Composer version 2.7.1 2024-02-09 15:26:28

Usage:
  command [options] [arguments]

Options:
```

2. Install Sail(Laragon Alternative)

Because Laragon doesn't support Linux, I use Sail as the alternative. Install sail with Composer to an existing project.

Run `composer require laravel/sail --dev`.

```
Terminal - linux new s mundane
artisan composer.json config package.json public resources storage vendor 22:45:48 [426/1046]
→ zharsuke@box ~/Documents/college-stuff/Semester_4/web-programming-advanced/meet-1/demo composer require lara
vel/sail --dev
./composer.json has been updated
Running composer update laravel/sail
Loading composer repositories with package information
Updating dependencies
Nothing to modify in lock file
Writing lock file
Installing dependencies from lock file (including require-dev)
Nothing to install, update or remove
Generating optimized autoload files
> Illuminate\Foundation\ComposerScripts::postAutoloadDump
> @php artisan package:discover --ansi

  INFO  Discovering packages.

laravel/sail ..... DONE
laravel/sanctum ..... DONE
laravel/tinker ..... DONE
nesbot/carbon ..... DONE
nunomaduro/collision ..... DONE
nunomaduro/termwind ..... DONE
spatie/laravel-ignition ..... DONE

83 packages you are using are looking for funding.
Use the `composer fund` command to find out more!
> @php artisan vendor:publish --tag=laravel-assets --ansi --force

  INFO  No publishable resources for tag [laravel-assets].

No security vulnerability advisories found.
Using version ^1.27 for laravel/sail
→ zharsuke@box ~/Documents/college-stuff/Semester_4/web-programming-advanced/meet-1/demo php artisan sail:inst
all
[mundane] 0:work* "box" 23:21 16-Feb-24
```

After Sail has been installed, run the sail:install Artisan command.

```
→ zharsuke@box ~/Documents/college-stuff/Semester_4/web-programming-advanced/meet-1/demo php artisan sail:inst
all
Which services would you like to install? _____
mysql

  INFO  Sail scaffolding installed successfully. You may run your Docker containers using Sail's "up" command.

→ ./vendor/bin/sail up

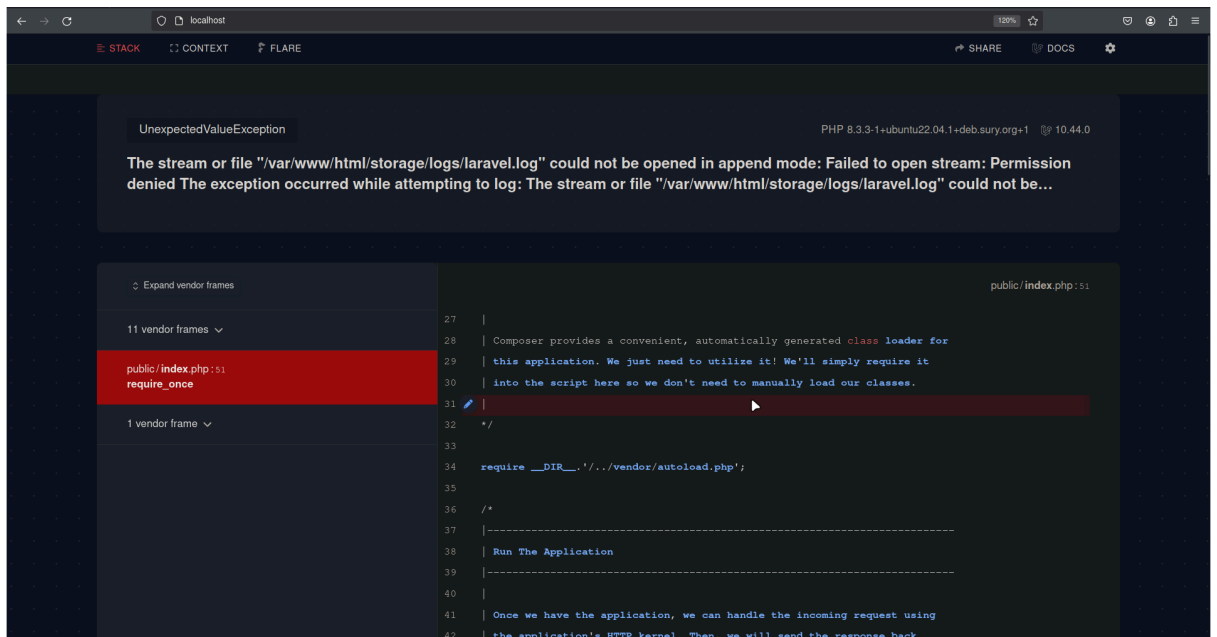
  WARN  A database service was installed. Run "artisan migrate" to prepare your database:

→ ./vendor/bin/sail artisan migrate
```

Run sudo ./vendor/bin/sail up --build.

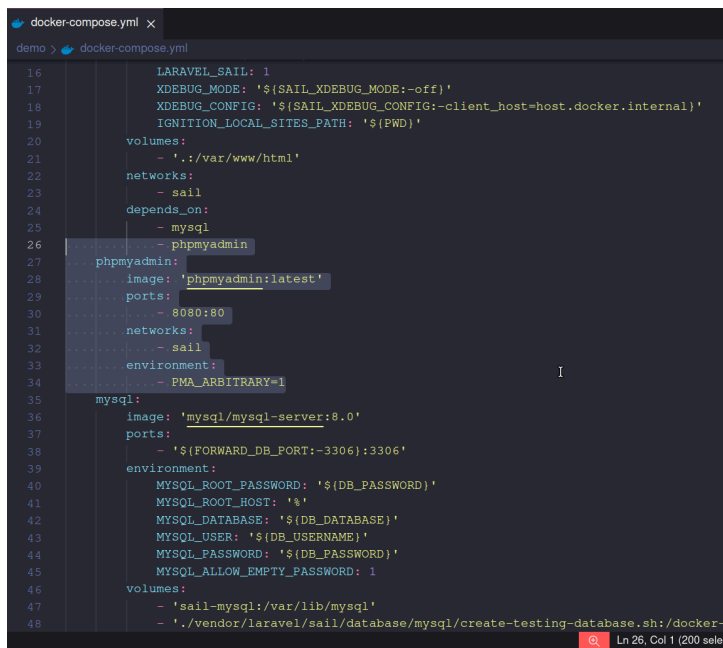
```
→ zharsuke@box ~/Documents/college-stuff/Semester_4/web-programming-advanced/meet-1/demo sudo ./vendor/bin/sai
l up --build
[+] Running 8/8
✔ mysql 7 layers [#####] 0B/0B Pulled 83.9s
✔ 6a4a3ef82cdc Pull complete 54.6s
✔ 5518b09b1089 Pull complete 3.3s
✔ b6b576315b62 Pull complete 73.5s
✔ 349b52643cc3 Pull complete 5.1s
✔ abe8d2406c31 Pull complete 6.5s
✔ c7668948e14a Pull complete 7.9s
✔ c7e93886e496 Pull complete 10.1s
[+] Building 527.6s (16/16) FINISHED docker:default
```

localhost:80 display



3. Install PHPMyAdmin

Because sail run on docker, we must add several code phpmyadmin to the docker-compose.yml file



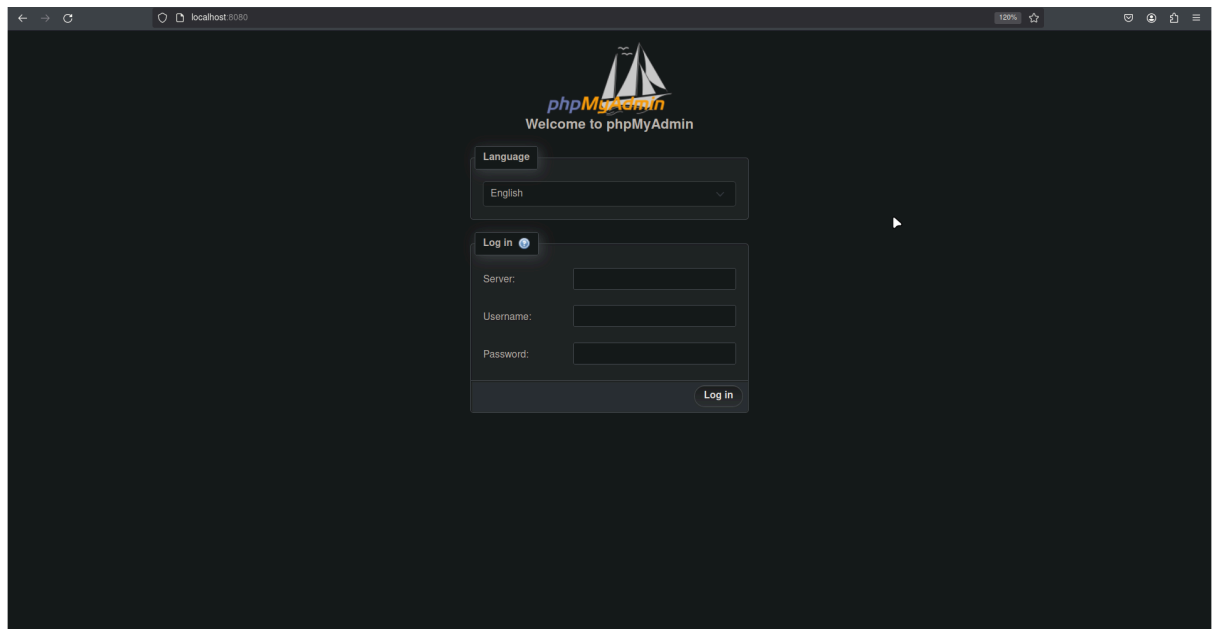
Run `sudo ./vendor/bin/sail up -d` again to install phpmyadmin docker image and run server.

```

➔ zharsuke@box ~/Documents/college-stuff/Semester_4/web-programming-advanced/meet-1/demo sudo ./vendor/bin/sail
1 up -d
[sudo] password for zharsuke:
[+] Running 19/19
✓ phpmyadmin 18 layers [#####] 0B/0B Pulled 100.0s
✓ e1caac4eb9d2 Pull complete 29.9s
✓ 8c386db9cb1d Pull complete 1.1s
✓ bef1b237c949 Pull complete 85.5s
✓ 56c66cb68b0f Pull complete 3.9s
✓ 9c790c1c009d Pull complete 31.1s
✓ e055748d0b38 Pull complete 30.9s
✓ 5a9d72b3b895 Pull complete 32.1s
✓ a354636f862b Pull complete 42.6s
✓ a139fa831a3e Pull complete 89.9s
✓ 17106305d525 Pull complete 50.2s
✓ 37b86f20916c Pull complete 44.0s
✓ aa13ba4f6f48 Pull complete 46.7s
✓ 5d2fe7754d47 Pull complete 52.3s
✓ 73d6987733c3 Pull complete 53.7s
✓ d4af3f06a655 Pull complete 56.3s
✓ 5647a1b25b86 Pull complete 67.1s
✓ 56e4a0c9d88e Pull complete 58.3s
✓ b9ae97e9e90b Pull complete 70.9s
[+] Running 3/3
✓ Container demo-phpmyadmin-1 Started 0.5s
✓ Container demo-mysql-1 Started 0.0s
✓ Container demo-laravel.test-1 Started 0.7s

```

phpmyadmin display.



4. Git

Because i've already install git, i doesn't need install again any more.

```

➔ zharsuke@box ~/Documents/college-stuff/Semester_4/web-programming-advanced/meet-1/demo git -h
usage: git [-v | --version] [-h | --help] [-C <path>] [-c <name>=<value>]
          [--exec-path[=<path>]] [--html-path] [--man-path] [--info-path]
          [-p | --paginate | -P | --no-pager] [--no-replace-objects] [--bare]
          [--git-dir=<path>] [--work-tree=<path>] [--namespace=<name>]
          [--config-env=<name>=<envvar>] <command> [<args>]

These are common Git commands used in various situations:

start a working area (see also: git help tutorial)
  clone      Clone a repository into a new directory
  init       Create an empty Git repository or reinitialize an existing one

work on the current change (see also: git help everyday)
  add        Add file contents to the index
  mv         Move or rename a file, a directory, or a symlink
  restore    Restore working tree files
  rm         Remove files from the working tree and from the index

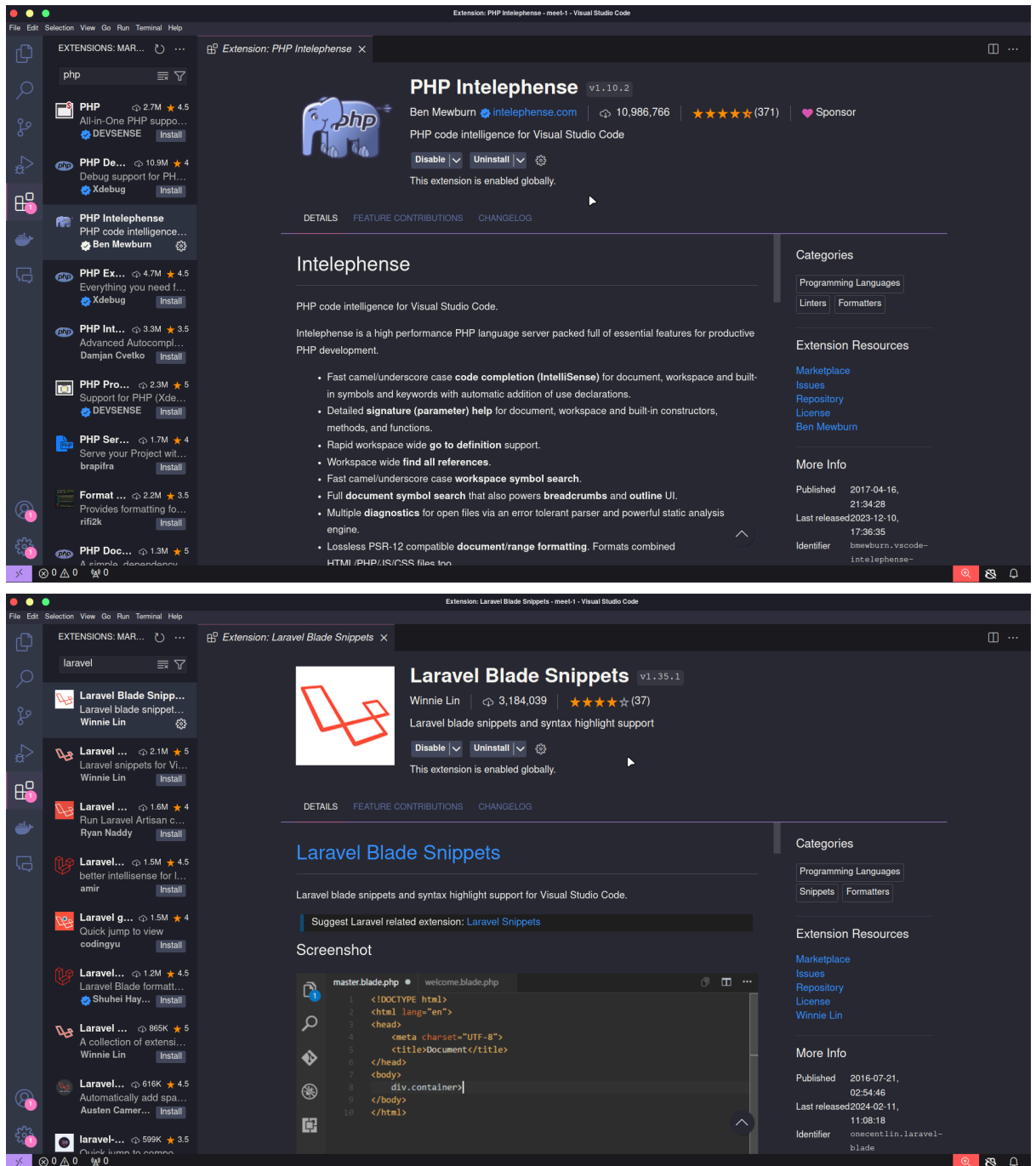
examine the history and state (see also: git help revisions)
  bisect     Use binary search to find the commit that introduced a bug
  diff       Show changes between commits, commit and working tree, etc
  grep       Print lines matching a pattern
  log        Show commit logs
  show       Show various types of objects
  status     Show the working tree status

grow, mark and tweak your common history
  branch     List, create, or delete branches
  commit     Record changes to the repository
  merge      Join two or more development histories together
  rebase     Reapply commits on top of another base tip
  reset      Reset current HEAD to the specified state
  switch     Switch branches

```

[mundane] 0:work* "box" 23:44 16-Feb-24

5. Install vscode extension.



6. Push repository to github

Type `git init` to initial the file in repository, and type `"git add ."` to add all of file to repository. also `git commit`, then type the message.

```

Stopping at filesystem boundary (GIT_DISCOVERY_ACROSS_FILESYSTEM not set).
→ zharsuke@box ~/Documents/college-stuff/Semester_4/web-programming-advanced/meet-1/demo git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: is subject to change. To configure the initial branch name to use in all
hint: of your new repositories, which will suppress this warning, call:
hint:
hint:   git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint:   git branch -m <name>
Initialized empty Git repository in /home/zharsuke/Documents/college-stuff/Semester_4/web-programming-advanced/meet-1/demo/.git/
→ zharsuke@box ~/Documents/college-stuff/Semester_4/web-programming-advanced/meet-1/demo git:(master) X git add
→ zharsuke@box ~/Documents/college-stuff/Semester_4/web-programming-advanced/meet-1/demo git:(master) X git commit -m "initial commit for demo"
[master (root-commit) a4e1922] initial commit for demo
 80 files changed, 11310 insertions(+)
 create mode 100644 .editorconfig
 create mode 100644 .env.example
 create mode 100644 .gitattributes
 create mode 100644 .gitignore
 create mode 100644 README.md
 create mode 100644 app/Console/Kernel.php
 create mode 100644 app/Exceptions/Handler.php
 create mode 100644 app/Http/Controllers/Controller.php
 create mode 100644 app/Http/Kernel.php
 create mode 100644 app/Http/Middleware/Authenticate.php
 create mode 100644 app/Http/Middleware/EncryptCookies.php
 create mode 100644 app/Http/Middleware/PreventRequestsDuringMaintenance.php
 create mode 100644 app/Http/Middleware/RedirectIfAuthenticated.php
 create mode 100644 app/Http/Middleware/TrimStrings.php
 create mode 100644 app/Http/Middleware/TrustHosts.php
[mundane] 0:work*

```

Add remote and push.

```

→ zharsuke@box ~/Documents/college-stuff/Semester_4/web-programming-advanced/meet-1/demo git:(master) git remote add origin git@github.com:zharsuke/PWL_2024.git
→ zharsuke@box ~/Documents/college-stuff/Semester_4/web-programming-advanced/meet-1/demo git:(master) git push origin master
Enumerating objects: 103, done.
Counting objects: 100% (103/103), done.
Delta compression using up to 8 threads
Compressing objects: 100% (85/85), done.
Writing objects: 100% (103/103), 73.71 KiB | 6.70 MiB/s, done.
Total 103 (delta 6), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (6/6), done.
To github.com:zharsuke/PWL_2024.git
 * [new branch]      master -> master
→ zharsuke@box ~/Documents/college-stuff/Semester_4/web-programming-advanced/meet-1/demo git:(master)
[mundane] 0:work*

```

Github display.

The screenshot shows the GitHub repository page for 'zharsuke / PWL_2024'. The repository is public and has 1 branch (master) and 0 tags. The file list shows the following files and folders, all with an initial commit for demo:

- app
- bootstrap
- config
- database
- public
- resources
- routes
- storage
- tests
- .editorconfig
- .env.example
- .gitattributes
- .gitignore

The right sidebar shows the repository's metadata:

- About:** No description, website, or topics provided.
- Readme:** No description, website, or topics provided.
- Activity:** 0 stars, 1 watching, 0 forks.
- Releases:** No releases published. [Create a new release](#)
- Packages:** No packages published. [Publish your first package](#)
- Languages:** PHP 73.0%, Blade 26.7%, JavaScript 0.3%.