## Laravel

* For routing and database management

### Database Schema

A screenshot of a phone

Description automatically generated

* model\_num is basically the timestamp when the images from the mobile app is saved.

### How to set-up with this repo

1. In terminal:

git clone <https://github.com/gelinelocarinas118/project1.git>

1. Goto project1 folder, in terminal:

cd backend  
composer install

php artisan key:generate

open server (see below for instructions)

php artisan migrate

php db:seed

php artisan serve -–port 3000 -–host 192.168.0.1

change the address to your local ip address

Note: install php and composer in your pc if not available;

You also need to have XAMPP and mysql

<https://getcomposer.org/> -> Composer

Note: you can change the port number but update the port number in .env as well

### How to open server

1. Open xampp. Start both Apache and mysql

A screenshot of a computer

Description automatically generated

1. Php artisan serve –port 3000

* Note: you can change the port number but change the port in .env as well

## Python Flask

* For meshroom and blender automation
* Communicates with laravel through API endpoint.

### How to run server

* In project1 terminal:

Python backend/reconstruct\_3D.py