

## INSTALLATION GUIDE

The following paper is for installation guide on the server chosen. The database should be in the following format for the website to be set up correctly. If any problem arise while setup, please contact the developer at [ankmawkhon53@gmail.com](mailto:ankmawkhon53@gmail.com).

## PREREQUISITES

Before using/installing the system the server, and the developers must meet the following requirements. If the requirements are not met, the website should not be installed, since it can cause more problems than needed.

### SYSTEM PREREQUISITES

The system must meet the following minimum requirement. For maximum performance, the system must meet the recommended requirement.

Minimum Requirements	
Processor	1.6 GHz CPU
RAM	4 GB
Storage	40 GB of free space
Software Pre-installed	phpMyAdmin, Xampp, Composer, Laravel

Recommended Requirements	
Processor	3.1 GHz CPU
RAM	8 GB
Storage	60 GB of free space
Software Pre-installed	phpMyAdmin, Xampp, Composer, Laravel

### DEVELOPER PREREQUISITES

Before installing, controlling, and changing the system, the developer must have moderate to advanced knowledge of MVCs, and the coding language. The following is the needed level for the developers.

1. HTML5, CSS3 Knowledge → Moderate to Advanced
2. JavaScript Knowledge → Moderate to Advanced, Vue.js knowledge needed
3. PHP Knowledge → Advanced, should understand R.E.S.T development
4. Composer Knowledge → Moderate, should be able to install packages if needed

5. MVC Knowledge → Moderate, should be able to modify, add, maintain the system
6. Database Knowledge → Moderate knowledge on MySQL, should be able to create, delete, modify tables as needed
7. API knowledge → Moderate knowledge on APIs and plugins used for the website.

If possible, the system should only be handled by the Senior Developers. In the event of none available, clear guidelines should be given for Junior Developers to follow to avoid confusions and problems.

## DATABASE TABLE CREATION

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### ADMINS TABLE

```
CREATE TABLE `admins` (  
  `id` bigint(20) unsigned NOT NULL AUTO_INCREMENT,  
  `name` varchar(191) COLLATE utf8mb4_unicode_ci NOT NULL,  
  `email` varchar(191) COLLATE utf8mb4_unicode_ci NOT NULL,  
  `email_verified_at` timestamp NULL DEFAULT NULL,  
  `password` varchar(191) COLLATE utf8mb4_unicode_ci NOT NULL,  
  `remember_token` varchar(100) COLLATE utf8mb4_unicode_ci DEFAULT NULL,  
  `created_at` timestamp NULL DEFAULT NULL,  
  `updated_at` timestamp NULL DEFAULT NULL,  
  PRIMARY KEY (`id`),  
  UNIQUE KEY `admins_email_unique` (`email`)  
) ENGINE=InnoDB AUTO_INCREMENT=5 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_unicode_ci
```

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### EVENTS TABLE

```
CREATE TABLE `events` (  
  `id` bigint(20) unsigned NOT NULL AUTO_INCREMENT,  
  `name` varchar(191) COLLATE utf8mb4_unicode_ci NOT NULL,  
  `picture` varchar(191) COLLATE utf8mb4_unicode_ci NOT NULL,  
  `description` mediumtext COLLATE utf8mb4_unicode_ci NOT NULL,  
  `lat` double(9,6) NOT NULL DEFAULT '0.000000',  
  `lng` double(9,6) NOT NULL DEFAULT '0.000000',  
  `youtube` varchar(191) COLLATE utf8mb4_unicode_ci DEFAULT NULL,  
  `date` datetime NOT NULL,  
  `created_at` timestamp NULL DEFAULT NULL,  
  `updated_at` timestamp NULL DEFAULT NULL,
```

```
PRIMARY KEY (`id`)  
) ENGINE=InnoDB AUTO_INCREMENT=5 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_unicode_ci
```

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#### EVENT\_USER TABLE

```
CREATE TABLE `event_user` (  
  `event_id` int(11) NOT NULL,  
  `user_id` int(11) NOT NULL,  
  `created_at` timestamp NULL DEFAULT NULL,  
  `updated_at` timestamp NULL DEFAULT NULL,  
  PRIMARY KEY (`event_id`,`user_id`)  
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_unicode_ci
```

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#### JAMS TABLE

```
CREATE TABLE `jams` (  
  `id` bigint(20) unsigned NOT NULL AUTO_INCREMENT,  
  `name` varchar(191) COLLATE utf8mb4_unicode_ci NOT NULL,  
  `src` varchar(191) COLLATE utf8mb4_unicode_ci NOT NULL,  
  `des` mediumtext COLLATE utf8mb4_unicode_ci NOT NULL,  
  `user_id` int(11) NOT NULL,  
  `created_at` timestamp NULL DEFAULT NULL,  
  `updated_at` timestamp NULL DEFAULT NULL,  
  PRIMARY KEY (`id`)  
) ENGINE=InnoDB AUTO_INCREMENT=3 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_unicode_ci
```

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#### USERS TABLE

```
CREATE TABLE `users` (  
  `id` bigint(20) unsigned NOT NULL AUTO_INCREMENT,  
  `name` varchar(191) COLLATE utf8mb4_unicode_ci NOT NULL,  
  `avatar` varchar(191) COLLATE utf8mb4_unicode_ci NOT NULL DEFAULT 'default.jpg',  
  `bio` varchar(191) COLLATE utf8mb4_unicode_ci DEFAULT NULL,  
  `email` varchar(191) COLLATE utf8mb4_unicode_ci NOT NULL,  
  `email_verified_at` timestamp NULL DEFAULT NULL,  
  `password` varchar(191) COLLATE utf8mb4_unicode_ci NOT NULL,  
  `remember_token` varchar(100) COLLATE utf8mb4_unicode_ci DEFAULT NULL,  
  `created_at` timestamp NULL DEFAULT NULL,
```

`updated\_at` timestamp NULL DEFAULT NULL,

PRIMARY KEY (`id`),

UNIQUE KEY `users\_email\_unique` (`email`)

) ENGINE=InnoDB AUTO\_INCREMENT=9 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_unicode\_ci

## DATABASE SCHEMA

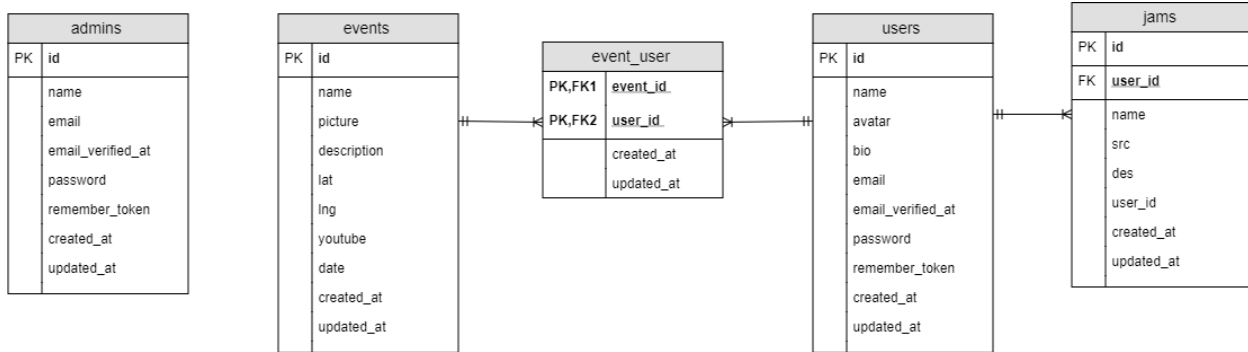


Figure 1: Database Schema for "Band Up"

## LARAVEL GUIDE

If Laravel is installed, the database can be auto-generated by using "php artisan migrate" in the command line. This will automatically create all the databases. Xampp, and Composer is needed to be installed beforehand. For the maintenance, and implementation of new functions the codes and functions can be found in the following folders, and files.

1. **Models:** app folder → Name of the tables (Admin.php, Event.php, User.php, Jam.php)
2. **Views:**
  - a. views folder → layouts folder → layout related files
  - b. views folder → admin folder → admin related views
  - c. views folder → auth folder → auth related views
  - d. views folder → event folder → event related views
  - e. views folder → jam folder → jam related views
3. **Controllers:** app folder → Http folder → Controllers folder