

HOW TO SET UP & RUN THE APPLICATION

Software Requirements

Download the following software if your current environment does not have this set up. Links included to help guide you to the relevant software and versions.

1. PHP 7.2 - <https://www.php.net/manual/en/install.general.php>
2. Composer - dependency manager - <https://getcomposer.org/>
3. MySQL - <https://dev.mysql.com/doc/mysql-installation-excerpt/5.7/en/>
4. GNU Make - Allows you to run Makefile commands which I have created to assist you in using the application and in development. Install via home-brew "brew install make". Otherwise instructions to download can be found on the GNU website - <https://www.gnu.org/software/make/>

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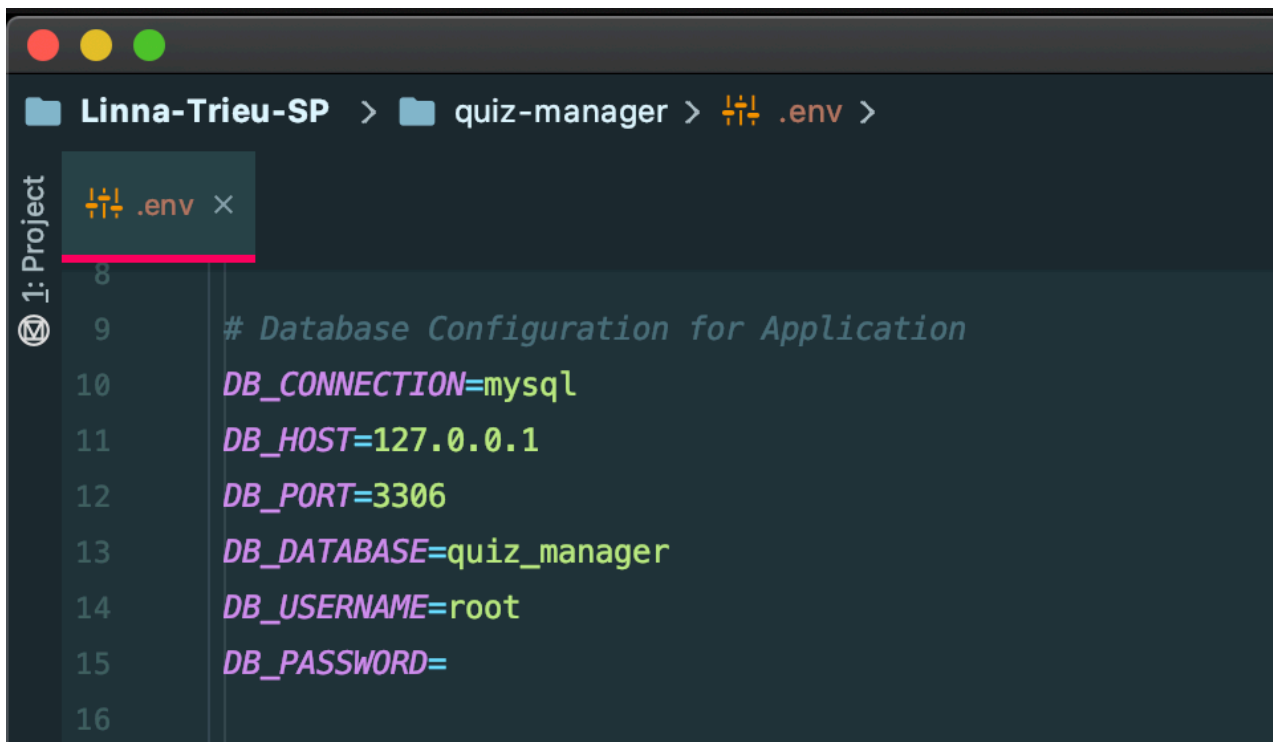
1. Navigate to the program code folder (folder name 'quiz-manager),
2. Run the composer command: `make composer-install`
3. Next, create a local mySQL database and call it: `quiz-manager`. Once you have set this up, ensure your application is configured to your local mySQL database. Further guidance on how to do this is listed below.
4. Once you have configured your local database, please run the command `make migrate-seed` to run database migrations and seeders.
NB: if this fails part-way, and you need to re-run migrations afresh, please run the command: `make migrate-fresh ARGS="--seed"`
5. Compile CSS UI resources by running `npm install`, and build dev assets running `npm run dev`,
6. Run `make start` to start the server. You should be able to view application on your localhost address - such as <http://127.0.0.1:8000>

Note: Refer to the `Makefile` for a list of commands available in the application.

Configure your local mySQL database

1. Install the mySQL client and command line tool,
2. In your command line/ terminal, run the mySQL client by running the command:
`$ mysql -u root -p`
 - `root` - refer to user
 - `p` - you will be prompted to enter a password. Please press enter, with a blank password.

3. In the mySQL client on your command line, create a local database that the application will use to integrate with.
 - Run the following command: `CREATE DATABASE quiz_manager;`
 - If you run the query `SHOW DATABASES;` you can confirm your database has been created.
4. In the Quiz Manager `.env` file (line 9-15), please check the Database Connection config matches the details you configured locally.
 - `DB_CONNECTION`, `DB_HOST`, `DB_PORT` - you should not have to update these
 - `DB_DATABASE` - update with the name of your Database (e.g. `quiz_manager`)
 - `DB_USERNAME`, `DB_PASSWORD` - represent your personal mySQL user credentials



The screenshot shows a code editor window with the following content:

```
Linna-Trieu-SP > quiz-manager > .env >
1: Project
8
9 # Database Configuration for Application
10 DB_CONNECTION=mysql
11 DB_HOST=127.0.0.1
12 DB_PORT=3306
13 DB_DATABASE=quiz_manager
14 DB_USERNAME=root
15 DB_PASSWORD=
16
```

5. Once your `.env` config is set up, run `make migrate` to confirm your Database connection is working as expected.