



# HowTo: Setup Everything Required

## Frontend

- Make a copy of `.env.example` and rename it to `.env` (or `.env.local`). Make changes to that file if needed.
  - Set `VUE_APP_JWT_SECRET` to the value defined in the backend `.env` file. Refer to Backend setup section below.
  - Refer to the comment header in `.env.example` for further details.
- Install dependencies, then run:

```
# Install dependencies
yarn

# Run (local test server)
yarn dev
```

---

## Backend

### Overview

- Make sure MySQL and Redis is installed and running
- Install packages ( `npm install` )
  - Note: use `npm@6` to setup. `nodemon` installed thru `npm@^7` on Windows has problems with PATHs.
- Make a copy of `.env.example` and rename it to `.env`. Make changes to that file if needed.

- Set `EMAIL_GMAIL` and `PASSWORD_GMAIL` to your email of choice (used for sending emails to users registered on this project.)
  - If you are using Gmail, remember to Allow less secure apps to run (check this option from Google's "My Account" settings page.)
- Set `SECRET_KEY` to your string of choice. This string should be identical to `VUE_APP_JWT_SECRET` on the frontend.)
- Import the schema and data from `src\database`
  - One example way: `mysql -u {username} -p < ouchtion_schema.sql`
- Run (`npm run dev`)

## Setting up Redis on Windows

- <https://github.com/zkteco-home/redis-windows>
- Alternative to consider: Memurai (<https://www.memurai.com/>)

## Setting up MySQL on Windows (frugal mode)

This setup assumes MySQL is "frugally" installed on the machine (i.e. the MySQL Community Server for Windows is downloaded and unpacked to a place of choice, then the `PATH` environment is appended with the absolute path of `bin` folder of said unpacked installation of MySQL Community Server. No installers are used during this whole process.)

```
# Initialize data directory
# Make note of the temporary root password in the log
mysqld --initialize --console

# Install as Windows service
mysqld --install

# Start the server
sc start mysql

# Log in as root thru MySQL Shell
mysql -u root -p

# In MySQL Shell: change root password
ALTER USER 'root'@'localhost' IDENTIFIED BY '{password}'

# In MySQL Shell: disable "Only full GROUP BY" mode
# * For this session only
SET SESSION sql_mode=(SELECT REPLACE(@@sql_mode, 'ONLY_FULL_GROUP_BY', ''));
# * For all future sessions
SET GLOBAL sql_mode=(SELECT REPLACE(@@sql_mode, 'ONLY_FULL_GROUP_BY', ''));
```

