

# Local Deployment Guide

This is a guide to deploy the entire web application, including the frontend, backend, and database, on a local machine.

Note: This is meant for development purposes, as the official releases will be deployed on the cloud.

Deploying Backend + MySQL Database

Note: This is for Ubuntu

## I. Setup the backend:

1. Clone the repository [https://github.com/ndhngoc91/COMP90082\\_S1\\_TO\\_2021](https://github.com/ndhngoc91/COMP90082_S1_TO_2021)
2. Change directory to code/backend
3. Set up a virtual environment

```
python -m venv venv  
venv\Scripts\activate.bat  
pip install -r requirements.txt  
cd fast_api  
uvicorn main:app --reload
```

## II. Setup the database:

1. Install MySQL Workbench and MySQL Server (<https://www.youtube.com/watch?v=u96rVINbAUI>)
2. Run the script in squizz\_app\_db.sql in backend/db/data in MySQL Workbench to create the database and populate the table
3. Modify SQL Server credentials in lines 20-23 in backend/fast\_api/config.py & lines 31-34 in backend/fast\_api/database.py

```
HOST = "localhost"  
USER = ...  
PASSWORD = ...  
DB_NAME = "squizz_app"
```

## III. Setup the frontend:

1. Change directory to code/frontend
2. yarn install
3. yarn start

Use user1/squizz to login.