

# 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 Windows

i. Clone the repository <https://github.com/ansabkhaliq/backend>

ii. Set up a virtual environment

```
cd /backend
python -m venv venv
venv\Scripts\activate.bat
pip install -r requirements.txt
```

iii. Install MySQL Workbench and MySQL Server (<https://www.youtube.com/watch?v=u96rVINbAUl>)

iv. Run the script in `squizz_app_db.sql` in `backend/db/data` in MySQL Workbench to create the database and populate the tables

v. Modify SQL Server credentials in lines 20-23 in `backend/app/config.py`

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

vi. Start the Flask server

```
python -m flask run
```

## Deploying Frontend

i. Clone the repository <https://github.com/ansabkhaliq/frontend>

ii. Install dependencies

```
cd /frontend
npm install
```

iii. Start the client

```
npm start
```

iv. Log in as user

```
Username: user1
Password: squizz
```