This is a Django Full Stack application with a front-end and back-end component connected to a cloud database.

# Design

Backend: Python – Django framework

Database: MySQL DB

API endpoint: Python

Frontend: JavaScript – React Framework

# Setup

We first initialize a virtual environment for our python backend using the terminal command: python -m venv env. This is to create a virtual environment to work with and keep dependencies separate from our usual working environment. We then activate it using fullstack/Scripts/activate

We now need to create a requirements.txt file for our dependencies. We use this document for deployment to install the libraries used in our backend. To install the dependencies, we use pip install -r requirements.txt.

asgiref

Django

django-cors-headers

djangorestframework

djangorestframework-simplejwt

PyJWT

pytz

sqlparse

psycopg2-binary

python-dotenv