

## Inventory Management

### Authors:

\* Meghana Sakamudi (1255626)

\* Anusha Malle (1257259)

\* Prudhvi Manukonda (1249674)

### Objective:

Create a Inventory System app to get the order analysis of the application with dashboard landing page.

### GitHub :

<https://github.com/prudvi-m/cpsc8845ADC>

### Tech Stack:

Python, Django, Django admin, HTML, CSS, Sqlite, JQuery, javascript

### Tools Used:

Vscode

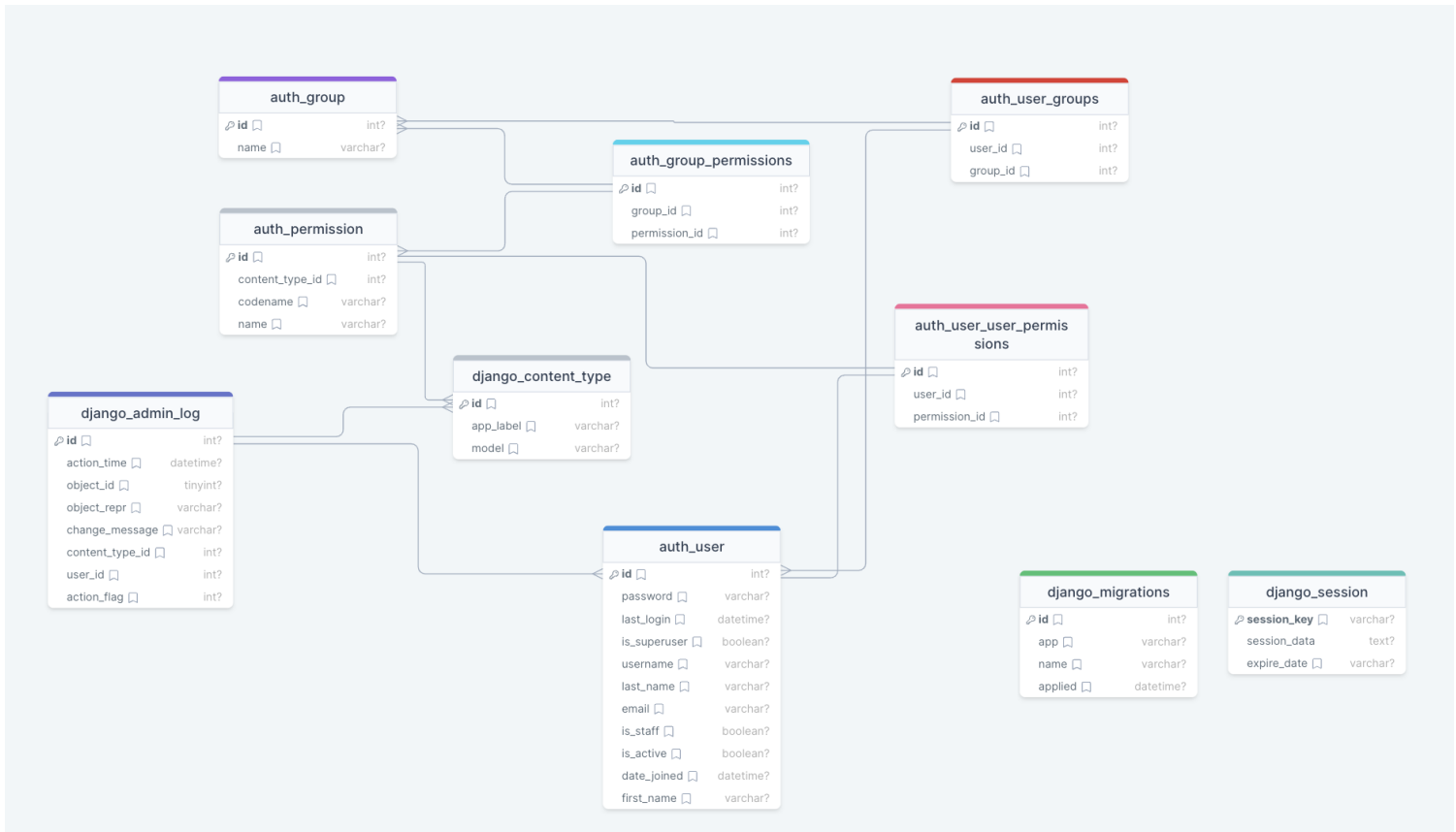
### Key Outcomes:

A user-friendly website that gives the detailed orders dashboard includes graphs and statistics.

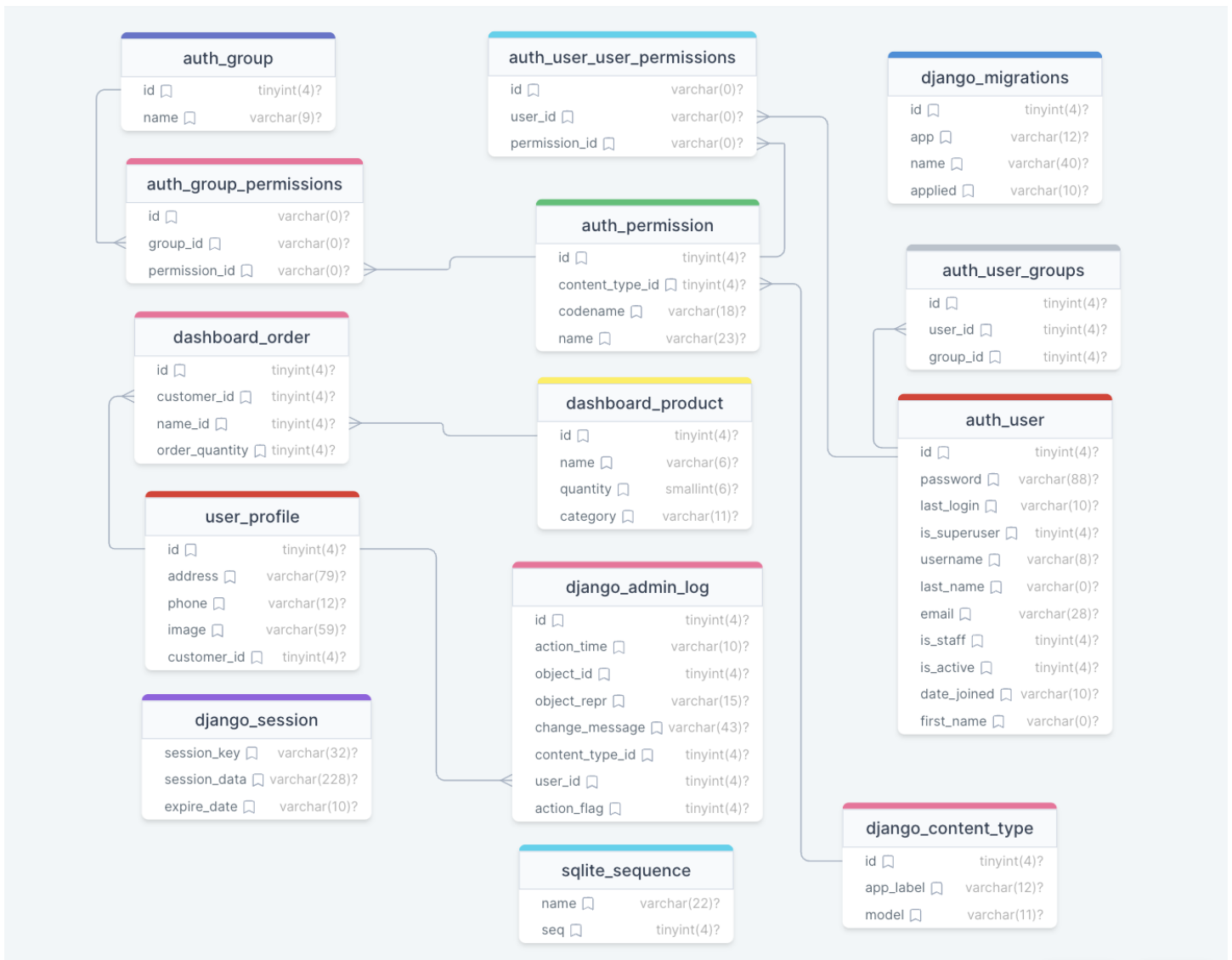
### Summary :

In this project, we get the details of the orders given by the users and statistics of the order placed by users and analysis of the data.

## UML Diagram



- We have predefined tables of django user management and few customised the tables. The above Diagram represents the django admin predefined tables for the USER MANAGEMENT.
- These tables includes handling the user profiles and auth sessions admin permissions, groups, applications data.



The above UML diagram represents the overall application db relationships along django admin tables.

## Triggers Implemented

Table name: auth\_user

Tigger creation:

```
CREATE TRIGGER validate_email
    BEFORE INSERT ON auth_user
BEGIN
    SELECT CASE
        WHEN NEW.email NOT LIKE '%_@__%.__%' THEN
            RAISE (ABORT, 'Please enter a valid email address.'
            END;
END
```

## Install Data Insertion :

```
INSERT INTO auth_user VALUES(4, 'Govst@1249674',
    '2023-04-20 14:50:11', 0, 'newGSU', 'new', 'newgsu@g.c',
    0, 1, '2023-04-19 10:35:30', 'new');
```

## Validation Trigger Used

The screenshot shows the SQLiteOnline.com web interface. The browser address bar displays 'sqliteonline.com'. The interface includes a top navigation bar with various database-related links and a sidebar on the left listing database tables. The main area shows a SQL query editor with the following text:

```
1 INSERT INTO auth_user VALUES(4, 'Govst@1249674', '2023-04-20 14:50:11', 0, 'newGSU', 'new', 'newgsu@g.c', 0, 1, '2023-04-19 10:35:30', 'new');
```

A red error message box is centered on the screen, stating: "Please enter a valid email address." This message is the result of the validation trigger being executed. The right sidebar shows a "History" section with a list of recent queries, including the one shown in the editor.

## Python Packages used :

```
django-bootstrap4==23.1
django-cors-headers==3.2.1
django-crispy-forms==2.0
django-rest-framework==3.11.0
```

## Setup & Installation :

Clone the Repo :

```
$ git clone https://github.com/prudvi-m/cpsc8845ADC
```

**Install the required packages :**

```
$ pip3 install -r requirements.txt
```

or

```
$ pip install -r requirements.txt
```

**Running :**

Following a successful clone, please move to the **CPSC8845** folder

```
$ python3 manage.py runserver
```

or

```
$ python manage.py runserver
```

## Conclusion :

The information that is displayed here is real time data of the application from the sqlite DB using django as backend and JQuery frontend.

Sample Outputs

