

Email Registration System

A simple web application built using AngularJS, Node.js (Express), MySQL, and REST API that:

- Stores a user's name and email address in a MySQL database
- Sends a confirmation email containing their name and email address
- Uses MailHog for local email testing
- MySQL is managed using MySQL Workbench

Tech Stack

Frontend: AngularJS

Backend: Node.js + Express

Database: MySQL (via MySQL Workbench)

Email Service: MailHog (SMTP testing server)

Tools: VS Code, GitHub

Make sure you have these installed:

Node.js

Git

MailHog

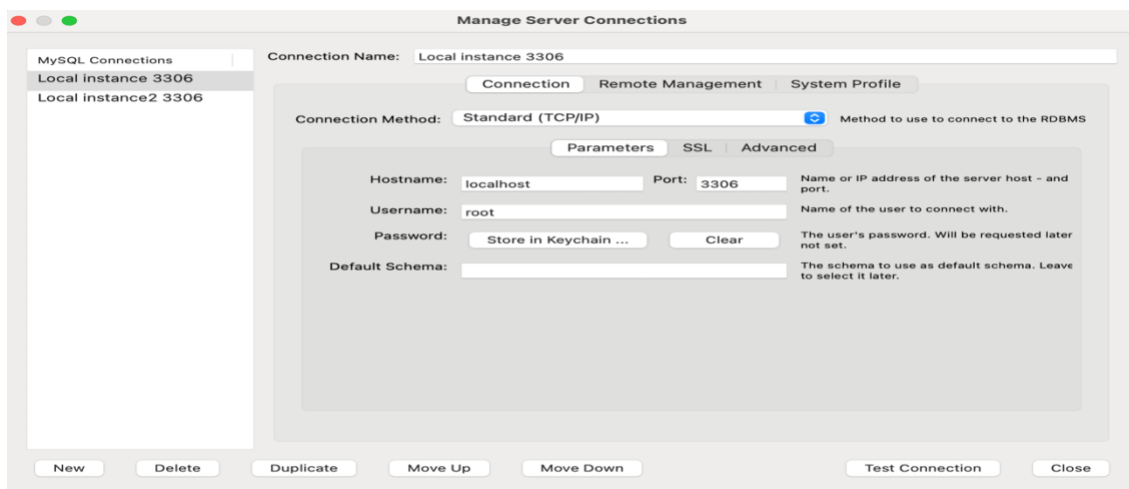
MySQL Workbench

Setup Instructions

git clone <https://github.com/sowmyanamala/EmailSystemSender.git>
cd EmailSystemSender

MySQL Setup (via MySQL Workbench)

1. Open **MySQL Workbench** and connect to your local MySQL server.



1. Run the following SQL:

```
CREATE DATABASE email_system;
```

```
USE email_system;
```

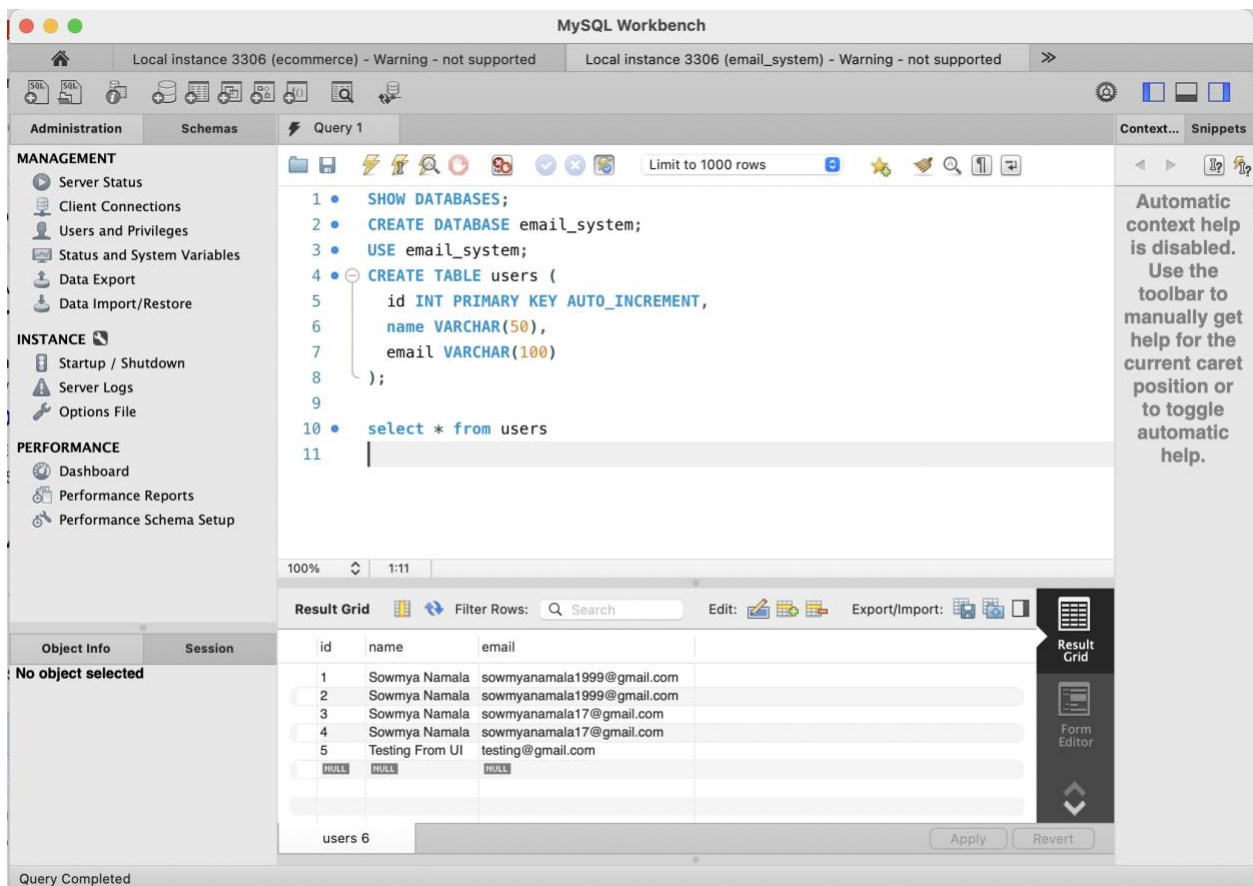
```
CREATE TABLE users (
```

```
    id INT PRIMARY KEY AUTO_INCREMENT,
```

```
    name VARCHAR(50),
```

```
    email VARCHAR(100)
```

```
);
```



Backend Setup

```
cd backend
```

```
npm install
```

Update .env file with following details

```
DB_HOST=localhost
DB_USER=root
DB_PASS=your_mysql_password
DB_NAME=email_system
```

```
EMAIL_USER=test@example.com
EMAIL_PASS= # Not needed for MailHog
```

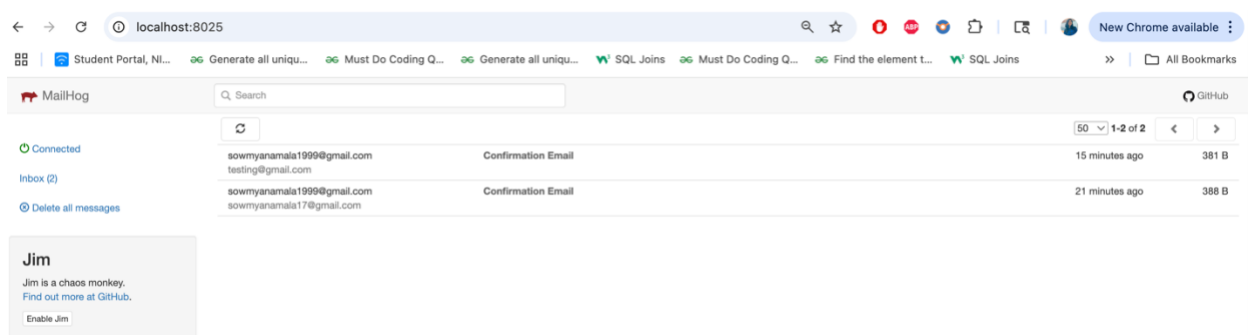
MailHog Setup

Mac/Linux Installation:

```
brew install mailhog
mailhog
```

MailHog will run:

- **SMTP server** → localhost:1025
- **Web UI** → http://localhost:8025



Running the Application

1. Start Backend

```
cd backend
node server.js
```

Backend runs at: <http://localhost:3000>

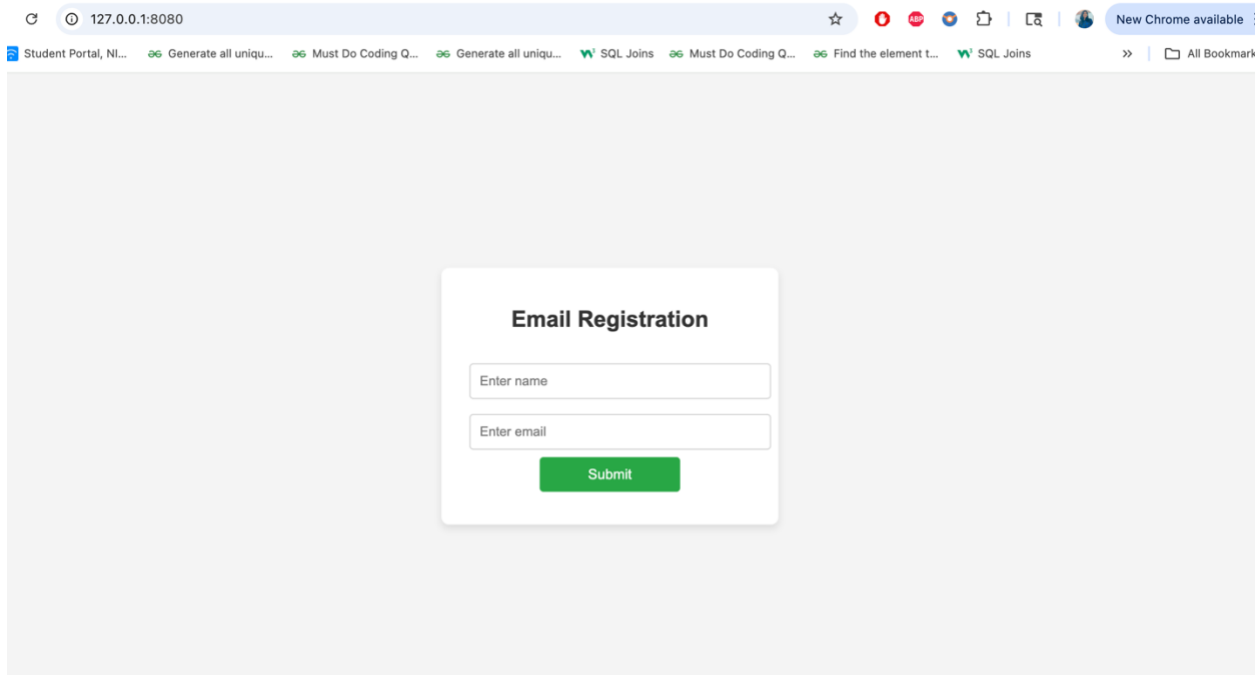
2. Start Frontend

```
cd ../frontend
npx http-server
```

Frontend runs at: <http://localhost:8080>

3. Testing the App

1. Go to the **frontend URL** (<http://localhost:8080>).
2. Enter a **Name** and **Email**.
3. Submit the form.
4. Check MySQL Workbench → users table → verify data is inserted.
5. Open **MailHog Web UI** → <http://localhost:8025> → verify the email is received.



We can test REST API method using this curl command:

```
curl -X POST http://localhost:3000/api/users \  
-H "Content-Type: application/json" \  
-d '{"name":"User Name","email":"useremail@gmail.com"}'
```