

### Full Stack:

- React JS frontend
- Express Node Js backend
- MySQL database

### Editor We Used:

- VS Code

### Link to Project and SQL database file:

- [https://drive.google.com/drive/folders/1ihBtxsgrX\\_PQFpA055JdftZquZnuTmlP?usp=sharing](https://drive.google.com/drive/folders/1ihBtxsgrX_PQFpA055JdftZquZnuTmlP?usp=sharing)

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**How to Run/Edit the Project on your local host** (words in blue are commands to type in):

- Download and extract "IT420-Web-Project-main.zip" OR clone the GitHub repository "<https://github.com/demalgeri/Database-Project.git>" and open it in VS Code
- **NOTE:** Before running the project, see "Change the Code" because you need to input your own credentials for the emailjs account and for the mysql database.
- In the terminal in VS Code:
  - `cd web-project`
  - `npm start` (In a minute, your browser should open on localhost:3000)
- Open a new terminal in VS Code:
  - `cd backend`
  - `node index.js` (you can open a new tab in your browser and go to localhost:3001)
  - Do Ctrl+C in the terminal
  - `npm run devStart` (allows you to edit while the project is running - just save your code, then refresh your localhost:3001 to update the changes)
- Open MySQL Workbench:
  - Whatever changes you make to the database in the code, you can view what was inserted in your database by doing commands such as:  
`use database_name;`  
`select * from table_name;`


### Change the Code:


- Emailjs:
  - There are two forms on the website that, when submitted by the user, are emailed to [startingpointsac@gmail.com](mailto:startingpointsac@gmail.com) through a service called emailjs: <https://www.emailjs.com/>
  - You must:
    - 1) Create an emailjs account
    - 2) Add the gmail service


- 3) Create two email templates, one for each form
- 4) In the code, go to DonateEmail.js and VolunteerEmail.js and change the parameters on line 11 in each file to your credentials- which can be found on your emails account and on the templates you create.


 EmailJS


QUOTA REMAINING: 186 EMAILS


 Email Services


 Email Templates


 Contacts

 Email History

 Events


 Statistics

 Account


 Personal Settings

## Email Services


Add New Service


 **Gmail**  
Service ID: service\_gn4kwm


DEFAULT


 EmailJS


QUOTA REMAINING: 186 EMAILS


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## Email Templates

Create New Template

 **SPW Volunteer**  
Template ID: ~~6291123456789~~

 **SPW Donate**  
Template ID: ~~6291123456789~~





Connection Name: **SPW Database Connect**

Connection Method: **Standard (TCP/IP)** Method to use to connect to the RDBMS

Parameters **SSL** **Advanced**

Hostname: **demalgeri.clekeys.com** Port: **3306** Name or IP address of the server host - and TCP/IP port.

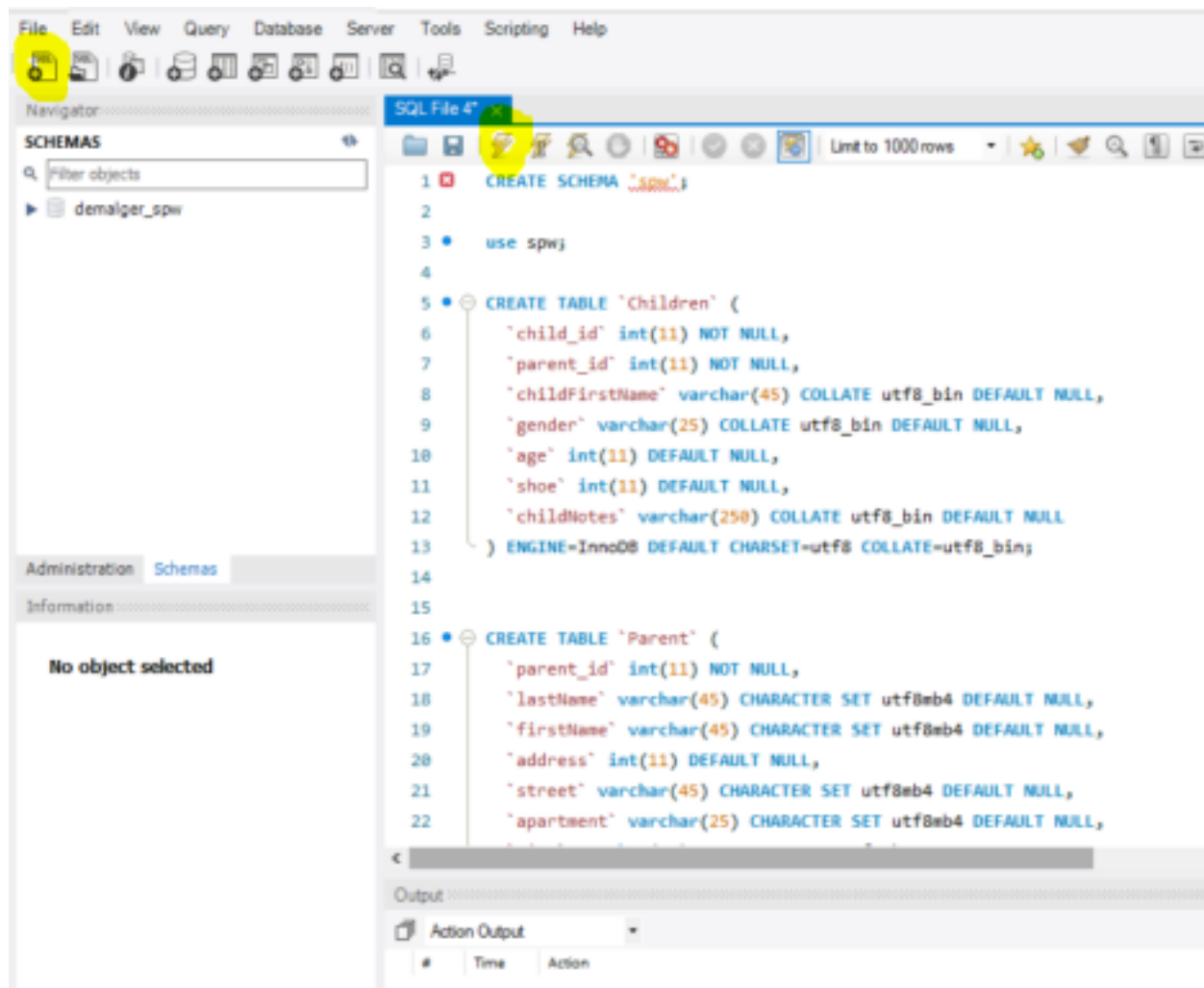
Username: **demalger\_spw\_user** Name of the user to connect with.

Password: **Store in Vault ...** **Clear** The user's password. Will be requested later if it's not set.

Default Schema: The schema to use as default schema. Leave blank to select it later.

**Duplicate** **Move Up** **Move Down** **Test Connection** **Close**

- In the index.js file in the backend folder of the code, you need to change the database credentials on lines 18-21 based on where you host the database, what your username and password is, and what you call the database.
- To create the database, open a “Query” tab, and paste the “spw.sql” script (shared in the google drive folder) and then click the yellow lightning bolt!



- Helpful sql command for development (see document called “SQL Commands” in the share google drive folder linked above)