

Project 2 - Site Book

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Below are the commands used to set up the python environment and install the necessary modules, packages and open firewall ports that are needed to connect to the web application.

```
sudo dnf install mysql mysql-server
mkdir venv
python3.9 -m venv venv/
source venv/bin/activate
pip3 install -r requirements.txt
sudo firewall-cmd --zone=public --add-port=3000/tcp --permanent
sudo firewall-cmd --reload
sudo systemctl start mysqld
sudo systemctl enable mysqld
```

The above commands are included in [install.sh](#) in the git repo and zip file.

Steps to complete after dependency install:

When you open the zip, I recommend running [install.sh](#) (inside the unzipped archive). This will set everything up for you with the exception of 4 extra steps that you must do on your own.

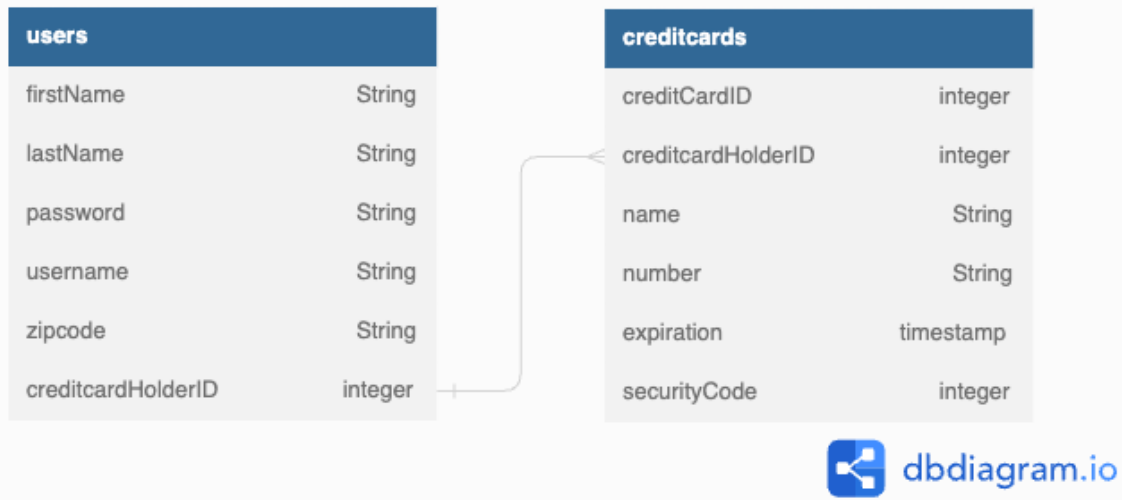
1. You must set up `mysql_secure_installation` by running that command.
 - a. Your password must be `whatever`
 - b. all other options can be skipped by pressing the enter or return key

2. Next run `mysql -u root -p` and `source db.sql` once inside the MySQL shell.
 - a. then exit the shell
3. Now source the python3.9 virtual environment: `source venv/bin/activate`
4. Finally run `python3 app.py`

FML-Stack Application API

- `GET /home/<username>` : Retrieves a list of all credit cards in the database under a specific username.
- `POST /add` : Adds a new credit card to the database. Requires a JSON body with the following fields:
 - `name` : The name on the credit card (string).
 - `number` : The credit card number (string).
 - `expiration_date` : The expiration date of the credit card (string, formatted as "MM/YY").
 - `security_code` : The security code on the back of the credit card (string).
- `PUT /edit/<credit card number>` : Updates an existing credit card in the database. Same fields are used as in POST
- `DELETE /delete/<credit card number>` : Removes an existing credit card from the database.
- `POST /login` : Login form - accepts username and password

FML ER-Diagram



Desire to Excel

I wrote an install script to make it easier to install this stack. I believe this could help contribute to my desire to excel. I also used bootstrap to make a prettier frontend and wrote a little bit of custom javascript to work with editing and deleting card data. I also included authorization as you cannot see other peoples card data unless you are logged in as them. The session is tracked via a session cookie variable. Finally, I also included the postman json files to run the endpoints yourself.