

FILE NAMING WEB APP

WITH PYTHON / SQL

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AGENDA:

1. Problem
2. Solution
3. Technology
4. Database Scheme
5. Web App
6. Work Distribution
7. Conclusions

WHAT IS A **PROBLEM**?

Naming files you dont care about:



u7gtli8iguuu

Source: <https://me.me/i/naming-files-you-dont-care-about-u7gtli8iguuu-f71c719385f744bca2bc5dbfa9391b40>

EXISTING SOLUTION... HMM...

The screenshot displays the Microsoft Excel ribbon with the 'Home' tab selected. The ribbon includes groups for Clipboard, Font, Alignment, Number, Styles, and Cells. Below the ribbon, the formula bar shows 'M26'. The worksheet grid shows columns A through H and rows 5 through 24. A table is visible in the grid with the following structure:

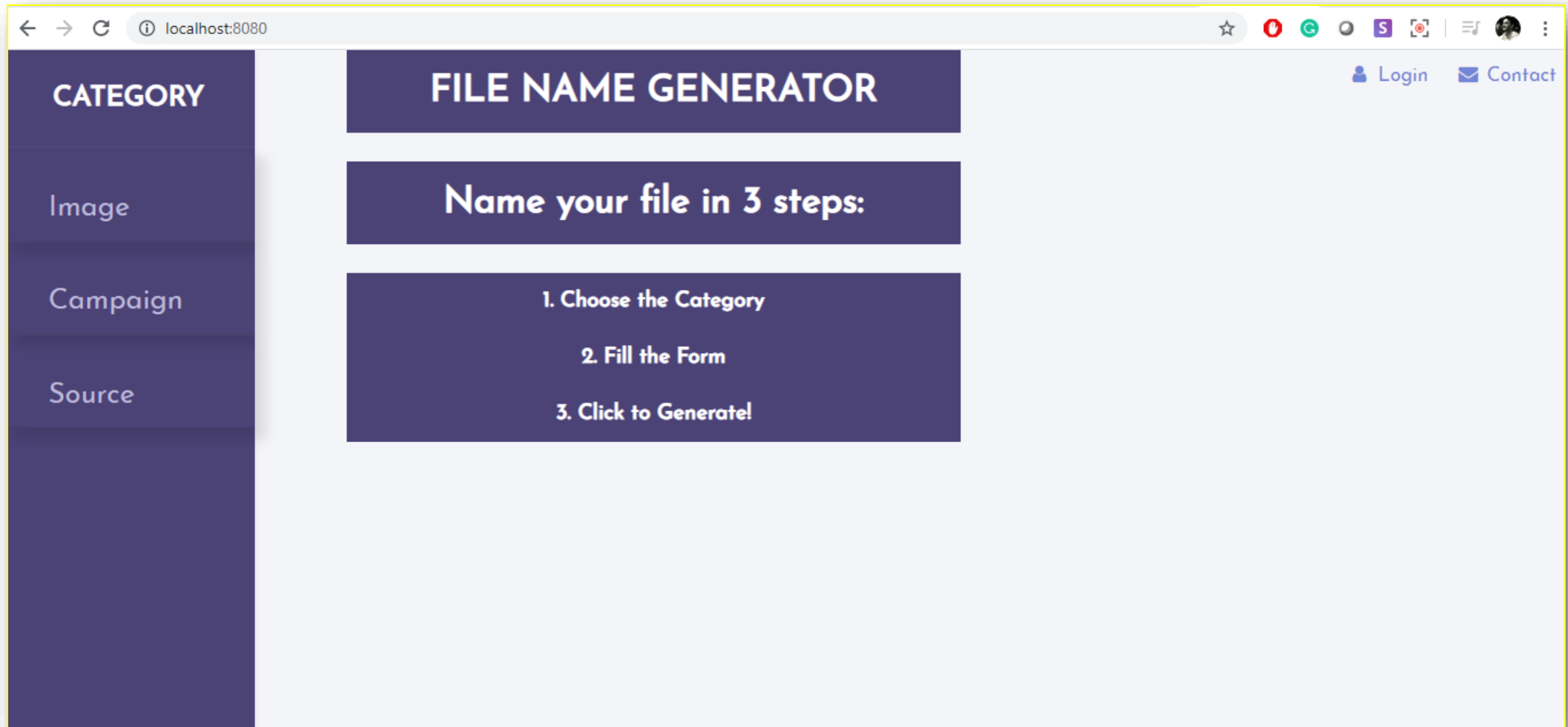
Standard	SBU	Region	Date	Class	Description (project name, country, ...)	Length (max. 45)	
Entry Format	Click cell & use drop down		use not more than 19 characters			RESULT	
File Name Generator	IND	VKL	1910	FAB	Somename	25	IND_VKL_1910_FAB_Somename

Below the table, the following directions are provided:

Directions:
12 Complete row 9, columns 8 to G referencing the tables on the left
13 Provide a meaningful unique description of your document in 19 or fewer characters
14 Copy the file name in J9 and use it to name your file

Source: my file with changed names

HOW TO **SOLVE** PROBLEM?



WHAT **TECHNOLOGY** DID WE USE?

Database



Web framework



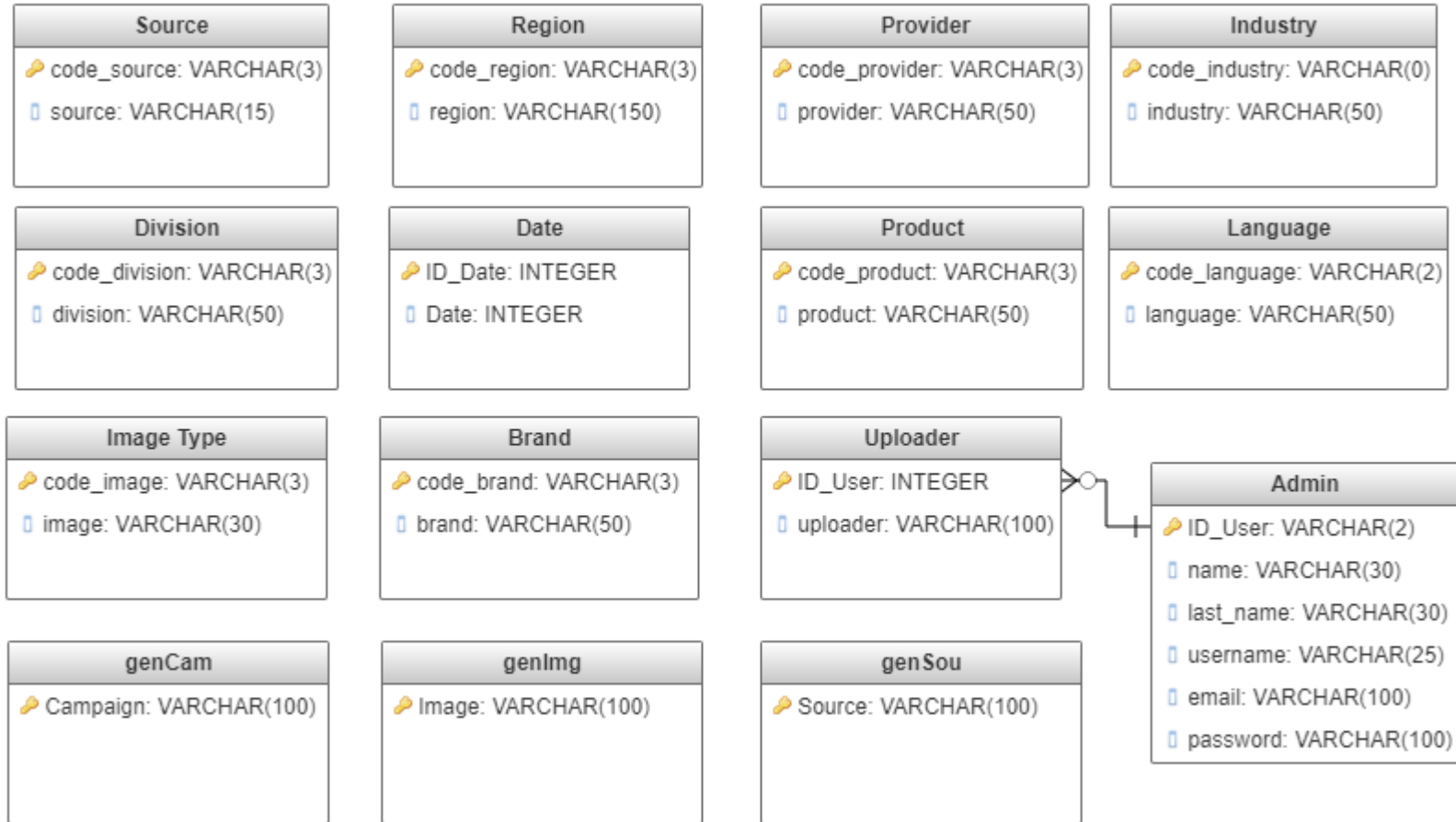
Back-end



Front-end

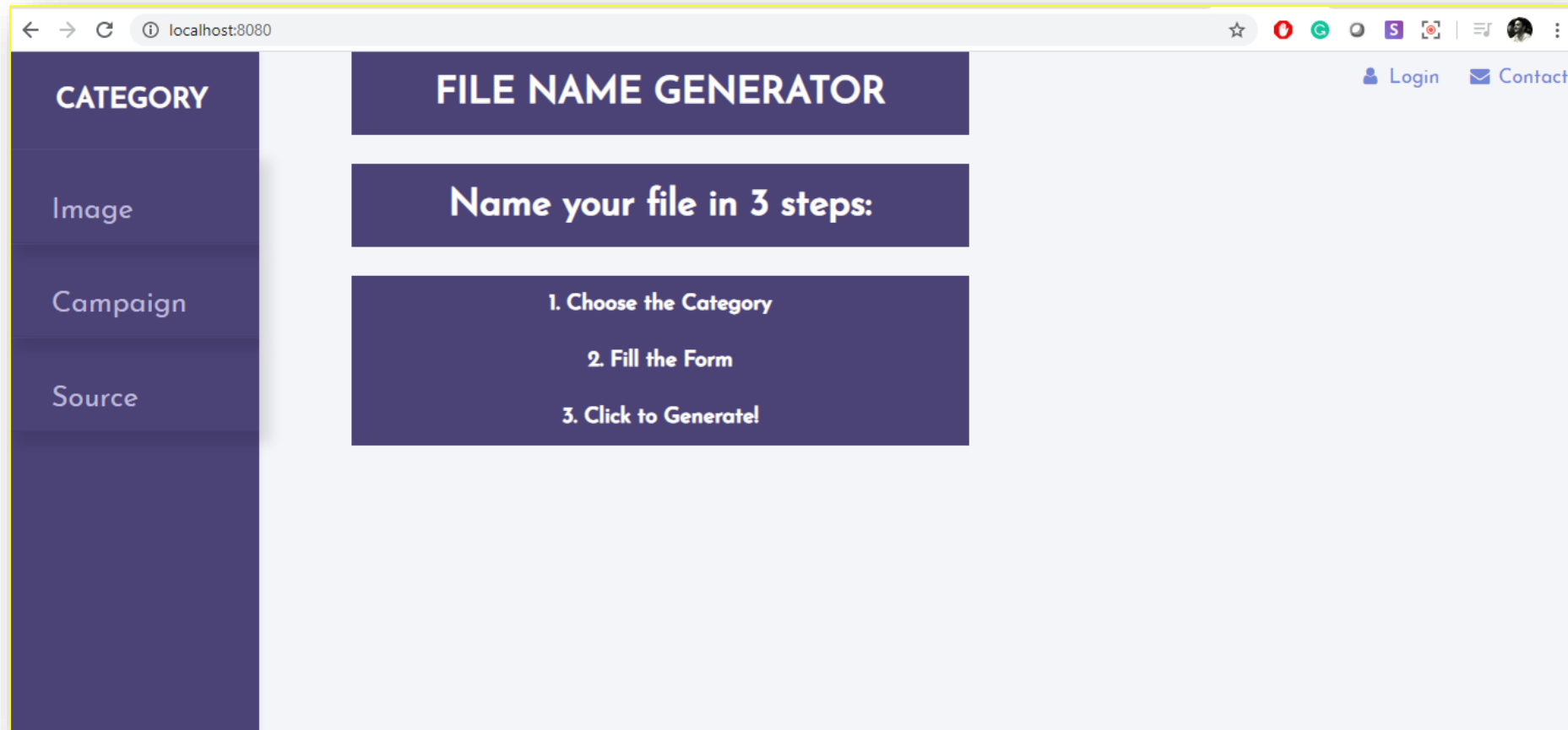


DATABASE SCHEME



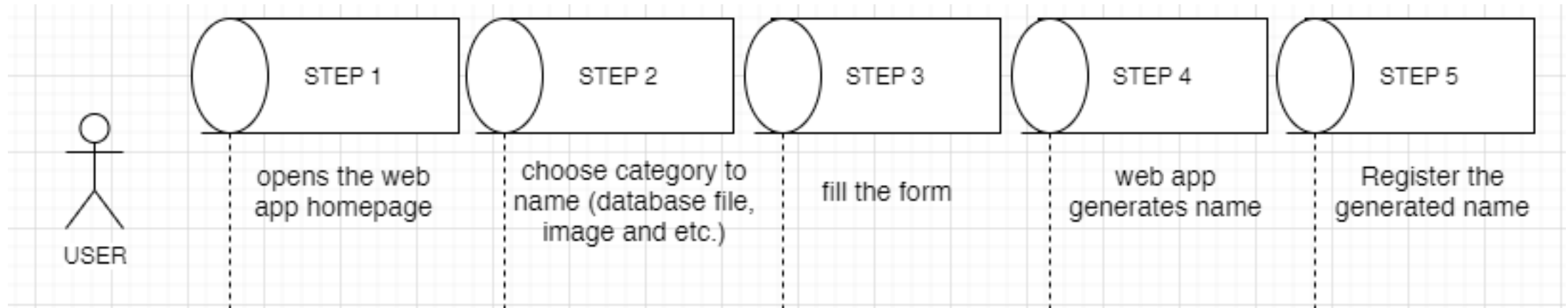
WEB APP

Main page



WEB APP

User's path on our web app



WEB APP

Categories

← → ↻ ⓘ localhost:8080/image

CATEGORY

Image

Campaign

Source

FILE NAME GENERATOR

Image

Product :

Region :

Image Type :

Language :

Date :

Industry :

Brand :

Description :

Generate

← → ↻ ⓘ localhost:8080/campaign

CATEGORY

Image

Campaign

Source

FILE NAME GENERATOR

Campaign

Date :

Division :

Campaign Type :

Industry :

Region :

Product :

User :

Description :

Generate

← → ↻ ⓘ localhost:8080/source

CATEGORY

Image

Campaign

Source

FILE NAME GENERATOR

Source

Source :

Provider :

Division :

Region :

Industry :

User :

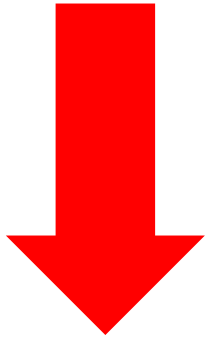
Date :

Description :

Generate

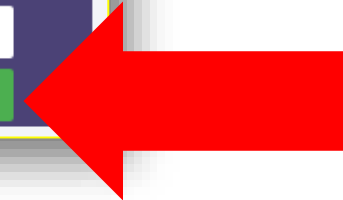
WEB APP

Fill the form
to name the “image”



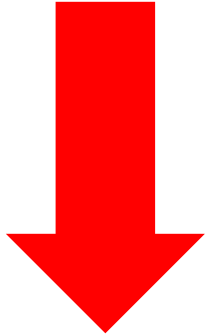
Click to “Generate”

CATEGORY	FILE NAME GENERATOR
Image	<div>Image</div> <div>Product : Phones ▼</div> <div>Region : EMEA ▼</div> <div>Image Type : Small ▼</div> <div>Language : Spanish ▼</div> <div>Date : 2020 Mar ▼</div> <div>Industry : Food ▼</div> <div>Brand : iPhone ▼</div> <div>Description : Write unique name without space</div> <div>Generate</div>
Campaign	
Source	



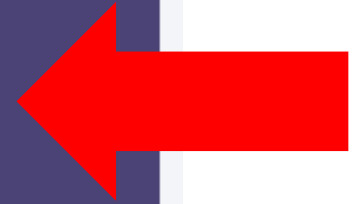
WEB APP

Name is generated!



Click to "Register"

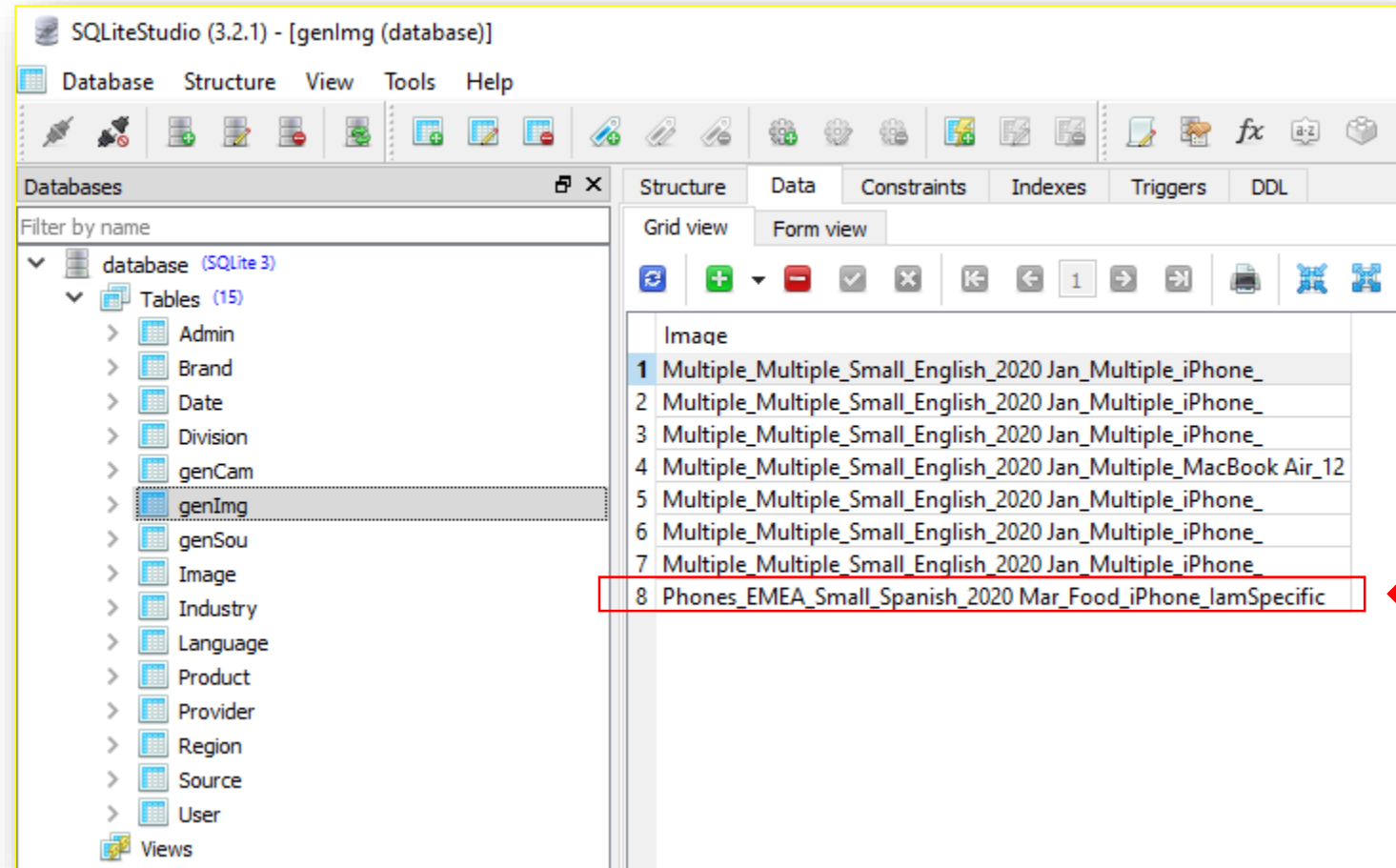
CATEGORY	FILE NAME GENERATOR
Image	<p>Please copy your generated file name:</p> <p>Phones_EMEA_Small_Spanish_2020 Mar_Food_iPhone_IamSpecific</p> <p>Click to register the generated name</p>
Campaign	
Source	



CATEGORY	FILE NAME GENERATOR
Image	File Name Registered!!!
Campaign	
Source	

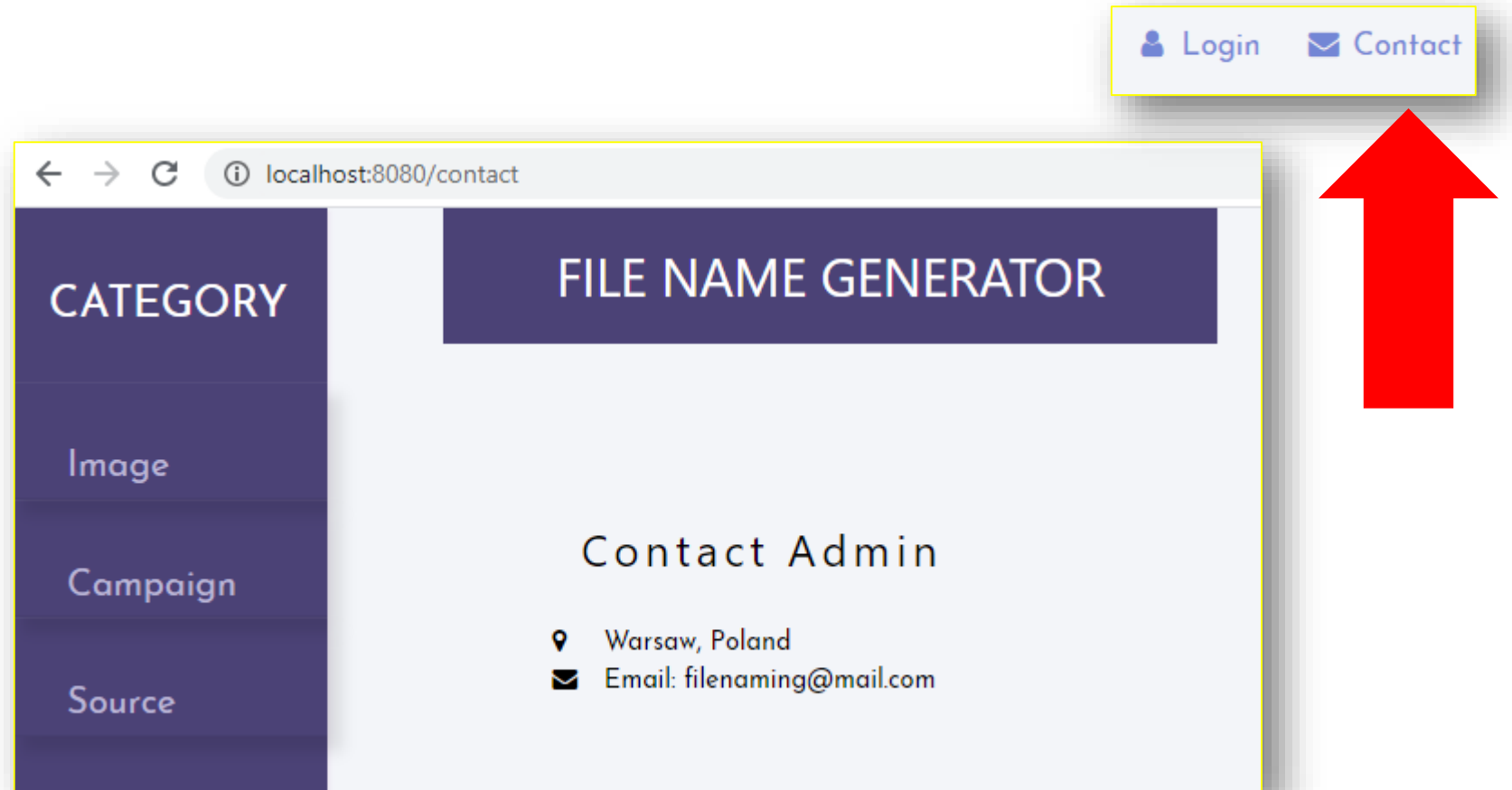
WEB APP

Name registered
in database



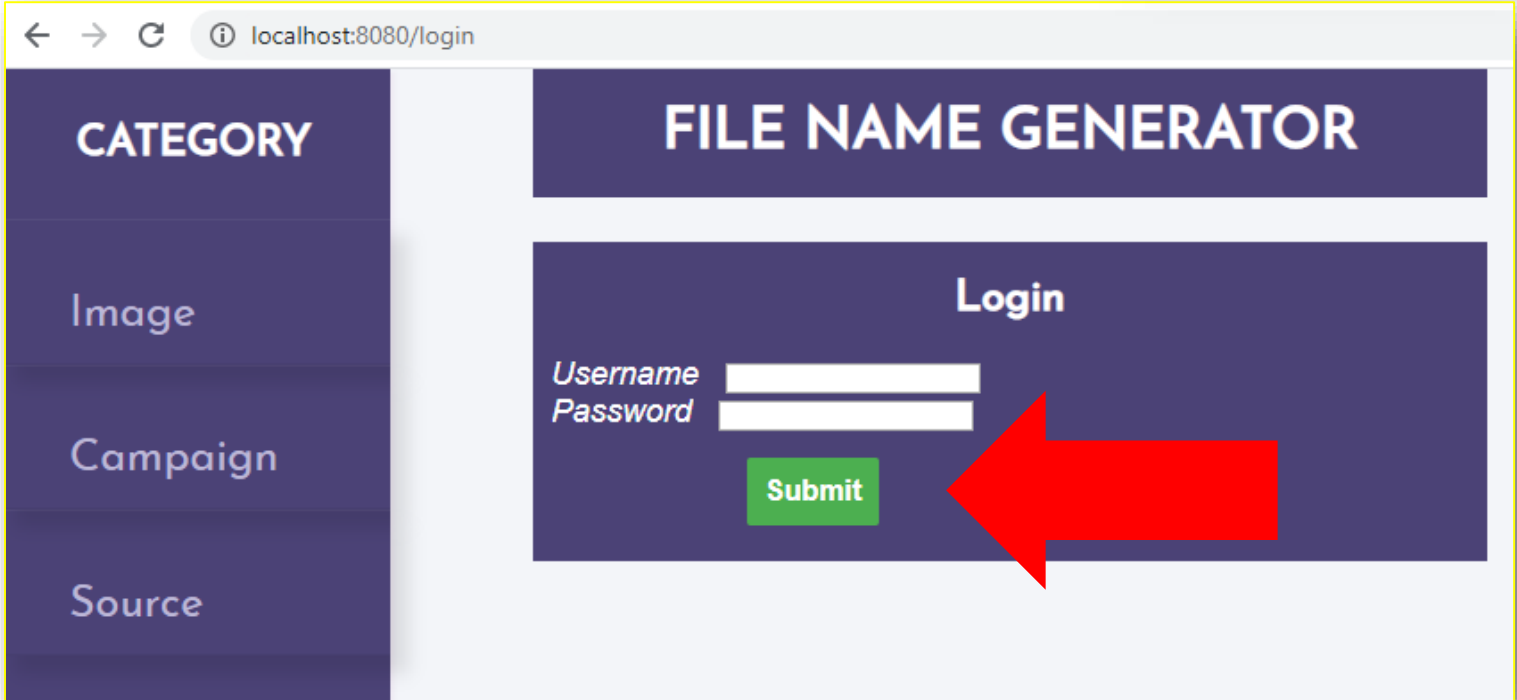

WEB APP

Name registered
in database



WEB APP

Login



← → ↻ ⓘ localhost:8080/login

CATEGORY

Image

Campaign

Source

FILE NAME GENERATOR

Login

Username

Password

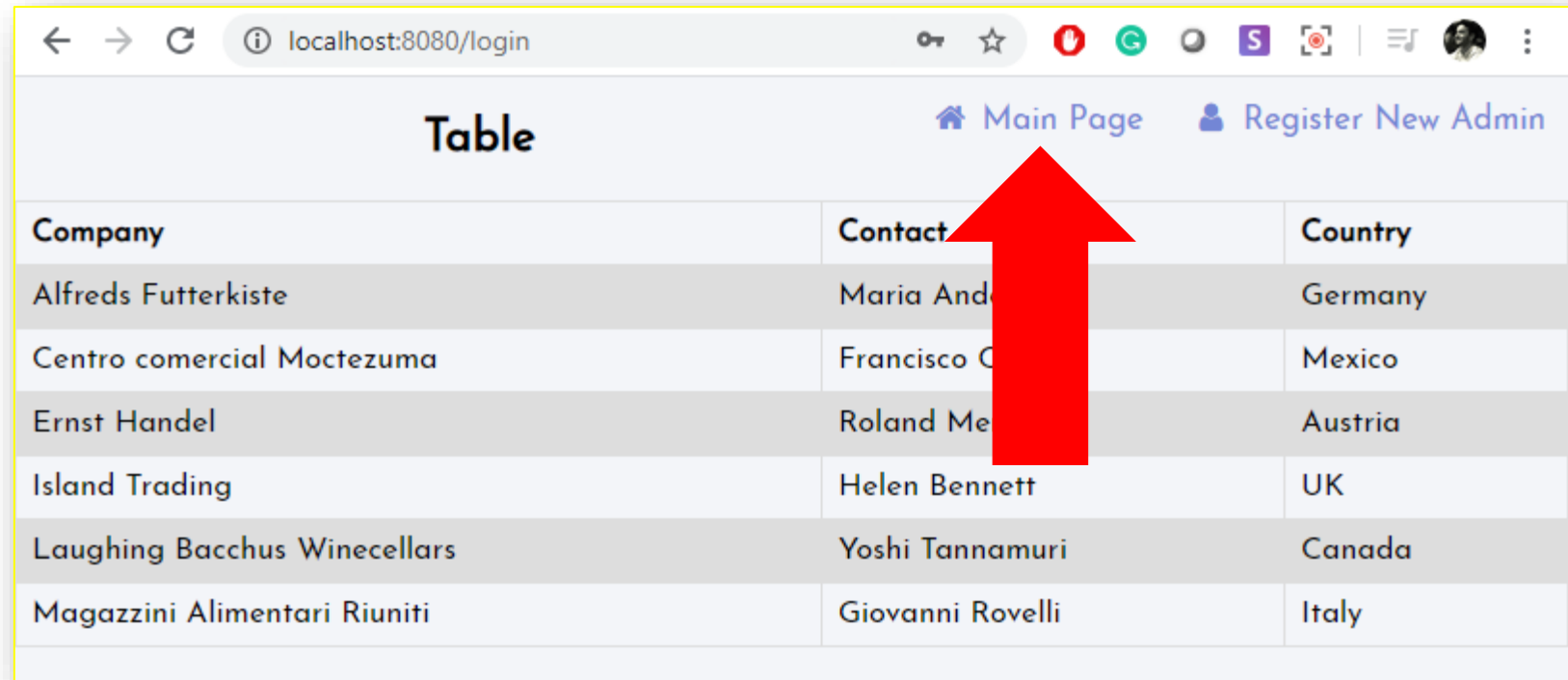
Submit

[Login](#) [Contact](#)

WEB APP

Login

 Login  Contact



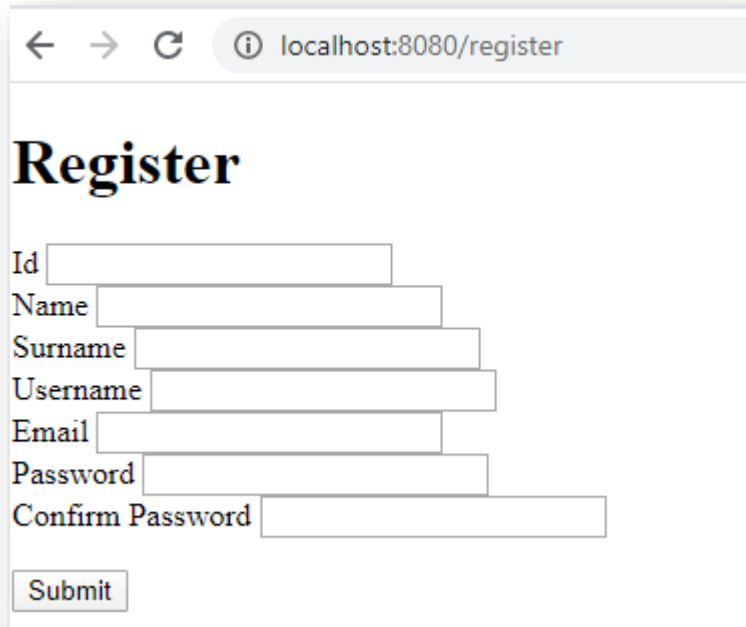
localhost:8080/login

[Main Page](#) [Register New Admin](#)

Company	Contact	Country
Alfreds Futterkiste	Maria And	Germany
Centro comercial Moctezuma	Francisco C	Mexico
Ernst Handel	Roland Me	Austria
Island Trading	Helen Bennett	UK
Laughing Bacchus Winecellars	Yoshi Tannamuri	Canada
Magazzini Alimentari Riuniti	Giovanni Rovelli	Italy

WEB APP

Register new admin



A screenshot of a web browser window displaying a registration form. The browser's address bar shows 'localhost:8080/register'. The form is titled 'Register' and contains several input fields: 'Id', 'Name', 'Surname', 'Username', 'Email', 'Password', and 'Confirm Password'. A 'Submit' button is located at the bottom left of the form.

← → ↻ ⓘ localhost:8080/register

Register

Id

Name

Surname

Username

Email

Password

Confirm Password



Source: <http://www.quickmeme.com/meme/3r616q>

WEB APP

Register new admin

Mismatched passwords...



Register

Id

Name

Surname

Username

Email

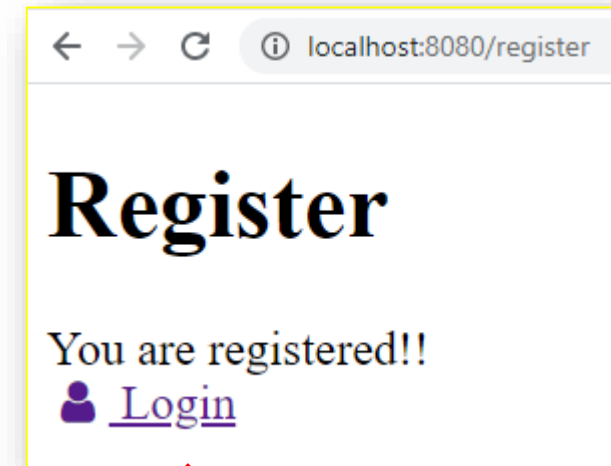
Password

Confirm Password

Ups... Passwords do not match

A red box highlights the error message "Ups... Passwords do not match". A large red arrow points upwards from below the form.


After registering correctly... 😊
you are redirected here:



localhost:8080/register

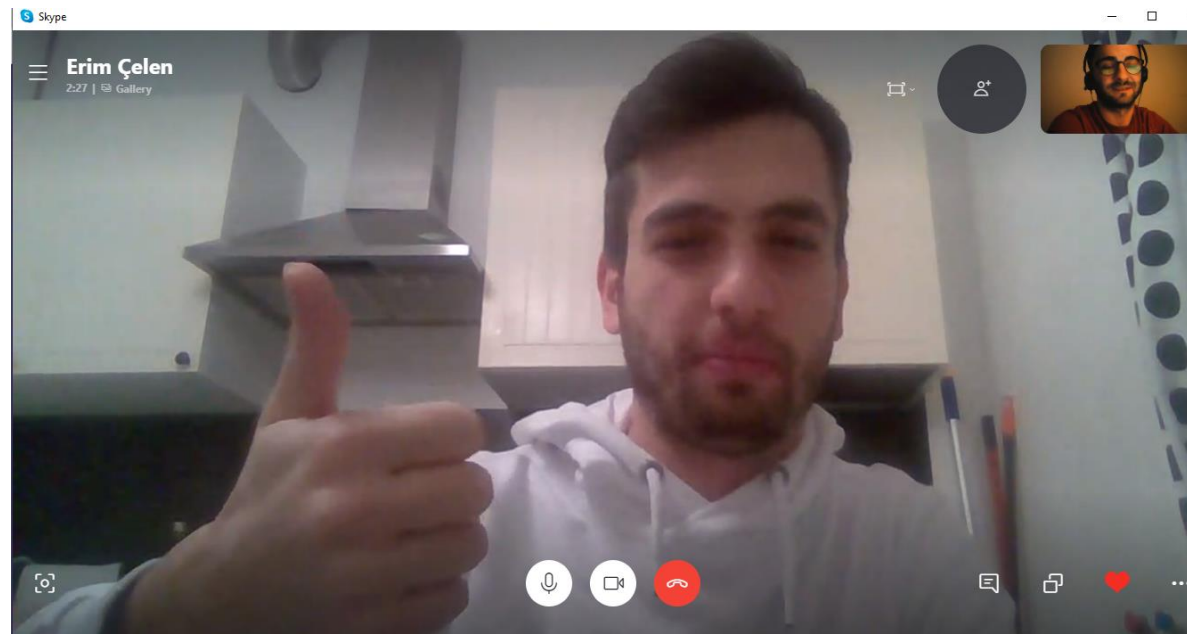
Register

You are registered!!

 [Login](#)

A large red arrow points upwards from below the browser window.

HOW DID WE WORK ON IT?



HOW DID WE WORK ON IT?

#	ACTION	RESPONSIBLE
1	Proposal	
1.1	Brainstorming about ideas I	MEÇ
1.2	Brainstorming about ideas II	LG
1.3	Mockup of final idea I	MEÇ
1.4	Mockup of final idea II	LG
1.5	Work plan breakdown I	MEÇ
1.6	Work plan breakdown II	LG
1.7	Writing proposal I	MEÇ
1.8	Writing proposal II	LG
2	Web app	
2.1	Login	LG
2.2	Registration	MEÇ
2.3	Web interface - categories	MEÇ
2.4	Web interface - forms	MEÇ
2.5	Web app - connecting categories with forms	MEÇ
2.6	Web app - name generator	MEÇ
2.7	Web interface - save/register button for generated name	MEÇ
2.8	Create data for each table - in scheme and SQL	LG
2.9	Create data for each table - in python	MEÇ

#	ACTION	RESPONSIBLE
2	Web app II	
2.10	Routing in python I	MEÇ
2.11	Routing in python II	LG
2.12	HTML templates I	MEÇ
2.13	HTML templates II	LG
2.14	CSS I	MEÇ
2.15	CSS II	LG
2.16	Test web app	LG
2.17	Create environment to run web app	LG
3	Report	
3.1	Introduction	LG
3.2	Databases scheme with description	LG
3.3	User manual describing the use of application with screenshots	MEÇ
3.4	Final SQL queries	MEÇ
3.5	How work was distributed among team members	LG
4	Presentation	
4.1	Slides about introduction	LG
4.2	Slides about database scheme	LG
4.3	Demo of final app	MEÇ
4.4	Slide about how work was done	LG

CONCLUSIONS

1. Real problem with its solution identified
2. We learned lots of technologies while working on building the solution
3. Without good community and documentation it is not easy to use even “cool” technology. Due to this problem we switched “bottle” and moved entire web app to “flask”
4. Team work is a key
5. Lots of areas to develop for this web app. E.g. admin panel, better front end and etc. 😊

REFERENCES

- Most of the knowledge we acquired from Stackoverflow.com & youtube.com
- <http://flask.palletsprojects.com/en/1.1.x/>
- <https://www.youtube.com/watch?v=MwZwr5Tvyxo>
- <https://wiki.python.org/moin/WebFrameworks>
- Python Flask From Scratch series: <https://www.youtube.com/watch?v=zRwy8gtgJ1A>
- <https://jinja.palletsprojects.com/en/2.10.x/>
- https://www.w3schools.com/w3css/w3css_examples.asp
- [https://training.talkpython.fm/courses/explore flask/building-data-driven-web-applications-in-python-with-flask-sqlalchemy-and-bootstrap](https://training.talkpython.fm/courses/explore_flask/building-data-driven-web-applications-in-python-with-flask-sqlalchemy-and-bootstrap)
- <https://flask-wtf.readthedocs.io/en/stable/install.html>
- <https://www.palletsprojects.com/p/flask/>
- <http://bottlepy.org/docs/dev/>
- <https://flask-wtf.readthedocs.io/en/stable/>