

Edgar Espinosa Ordoñez

Bachelor of Computer Science (project portfolio summary)

Contact: edgar.espinosa.fcc@gmail.com +522228040853

Links of some projects implemented in python, php, html, and matlab, each link contains the implemented code (partial and / or total of the mentioned project), otherwise the documentation generated from said project is shown where the implemented code is also appreciated.

Regarding my programming experience in python I have worked with libraries such as nltk, pandas, tensorflow on topics such as sentiment analysis and neural network training as practices, for the vtk graphing area as well as the implementation of control structures, data structures, reading of files and application of algorithms learned in other programming languages. In the same way I have made programs in java for the area of compilers, automata and graphs theory.

Modules implemented for sentiment analysis project with NLTK PYTHON

String management PHP

music player project (PROCESSING)

Code bar in PYTHON

Backup database script BASH

web application for professional practices HTML

web application Search license plates HTML

Reestructure of website HTML

Steganography with images in MATLAB

"LIGHT ALARM" based on ARDUINO

Modules implemented for sentiment analysis project with NLTK PYTHON

Reading opinions for sentiment analysis python

Python module for reading directories with positive and negative opinions (corpus)

<https://github.com/eddgarg10/lecturaopiniones>

Data cleaning with NLTK python

separate the words

Remove punctuation marks using regular expressions

Use isalpha() to remove tokens that are just punctuation marks or contain numbers

Use NLTK to remove stopwords

Eliminate short words by checking their length

https://github.com/eddgarg10/limpieza_datos

Generation of vocabulary for sentiment analysis python

based on reading the corpus of positive and negative opinions, a vocabulary is generated by measuring the frequency of words

<https://github.com/eddgarg10/vocabulario>

String management PHP

group of functions for processing character strings performing the tasks of segmentation, extraction and complementing of data loaded from a CSV file to later be loaded into a mysql table. Modules available on:

<https://github.com/eddgarg10/ProcesamientoContacto1yContacto2>

<https://github.com/eddgarg10/SegmentaCadenaExtraeNumeros>

<https://github.com/eddgarg10/SubeTablaEnBaseExistenteDeCSVaMYSQL>

Music player project (PROCESSING)

applications project developed in processing

Java-based open source integrated development environment and programming language

<https://github.com/eddgarg10/reproductor>

Code bar in PYTHON

<https://github.com/eddgarr10/codigosdebarrapersonalizado>

scrips in python to generate barcodes for cpu, keyboard and monitor with the syntax "string" + 0-9 + char + 10-99 + char + 100-999 + char



Backup database script BASH

Script to backup databases in operation within the ubuntu server, this file is programmed inside crontab so that an execution is carried out per hour, in the same way, the elimination of old backup files older than 15 days is programmed.

```
#!/bin/bash

USER="root"
PASSWORD=""
DATABASE="basesservei"

FINAL_OUTPUT30=/home/administrador/Documentos/tablas30/'date +%2535_%d-%m-%Y_%H:%M'`_$DATABASE.sql

mysql --socket /opt/lampp/var/mysql/mysql.sock -h localhost -u $USER --password=$PASSWORD $DATABASE -e 'show tables like
"BM2535%"' | grep -v Tables_in | xargs mysqldump --socket /opt/lampp/var/mysql/mysql.sock -h localhost --user=$USER --
password=$PASSWORD $DATABASE > $FINAL_OUTPUT30

gzip $FINAL_OUTPUT30

USER="root"
PASSWORD=""
DATABASE="basesservei"

FINAL_OUTPUT60=/home/administrador/Documentos/tablas60/'date +%3560_%d-%m-%Y_%H:%M'`_$DATABASE.sql

mysql --socket /opt/lampp/var/mysql/mysql.sock -h localhost -u $USER --password=$PASSWORD $DATABASE -e 'show tables like
"BM3560%"' | grep -v Tables_in | xargs mysqldump --socket /opt/lampp/var/mysql/mysql.sock -h localhost --user=$USER --
password=$PASSWORD $DATABASE > $FINAL_OUTPUT60

gzip $FINAL_OUTPUT60

USER="root"
PASSWORD=""
DATABASE="basesservei"

FINAL_OUTPUT90=/home/administrador/Documentos/tablas90/'date +%6090_%d-%m-%Y_%H:%M'`_$DATABASE.sql

mysql --socket /opt/lampp/var/mysql/mysql.sock -h localhost -u $USER --password=$PASSWORD $DATABASE -e 'show tables like
"BM6090%"' | grep -v Tables_in | xargs mysqldump --socket /opt/lampp/var/mysql/mysql.sock -h localhost --user=$USER --
password=$PASSWORD $DATABASE > $FINAL_OUTPUT90

gzip $FINAL_OUTPUT90
```

web application for professional practices HTML

<https://github.com/eddggar10/repobuap>

The final program was divided into the following parts, each one with different times due to the fact that it combines different areas such as backend, frontend, databases, http service configuration.

- 1. Analysis and proposal of solution to the problem
- 1. Planning for the frontend (Mockup)
- 1. Database development
- 1. Frontend Development (User Interface)
- 1. Backend development (connection to database and operations with data internally)
- 1. Development of Manual for the use of the “REPO BUAP” application

Reporte_PP_edgar.docx

Add files via upload

11 months ago

edifile.php

Add files via upload

11 months ago

edinafolder.php

Add files via upload

11 months ago

importar-tablas.txt

Add files via upload

12 months ago

manual-repobuap.pdf

Add files via upload

11 months ago

maqueta.docx

Add files via upload

11 months ago

repo-buap.rar

Add files via upload

12 months ago

repo-buap.zip

Add files via upload

2 months ago

README.md

repobuap

Aplicación web para practicas profesionales BUAP-FCC

El programa final fue dividido en las siguientes partes, cada una con distintos tiempos debido a que combina distintas áreas como son backend, frontend, bases de datos, configuración de servicio http.

1. Analisis y propuesta de solución al problema

1. Planeación para el frontend (Mockup)

1. Desarrollo de la base de datos

1. Desarrollo del Frontend (Interfaz de Usuario)

1. Desarrollo del Backend(conexión a base de datos y operaciones con datos de manera interna)

1. Desarrollo de Manual para el uso de la aplicación “REPO BUAP”

La idea principal es que dicha plataforma sea un soporte para el seguimiento de una tesis por parte de los asesores, de tal manera, que estos, puedan revisar, aceptar o pedir que se vuelva a elaborar cada punto del protocolo de tesis. En particular, en la Facultad de Ciencias de la Computación, se tiene un protocolo de tesis agrupado en dos partes: 1) Datos del estudiante y tesis; 2) Descripción del proyecto. Así como permitirá definir los puntos de la tesis y dar un seguimiento de que estos se elaboren de manera adecuada. El aporte principal de este trabajo, es precisamente la colaboración, por ello, la plataforma esta contempla para trabajar con uno o más asesores y tesistas.

PHP 100.0%

web application Search license plates HTML

<https://github.com/eddgar10/placas>

web application to load and search for license plates found

developed in PHP and mysql

It is intended to deploy the service through AWS or AZURE as first options within a docker XAMPP container

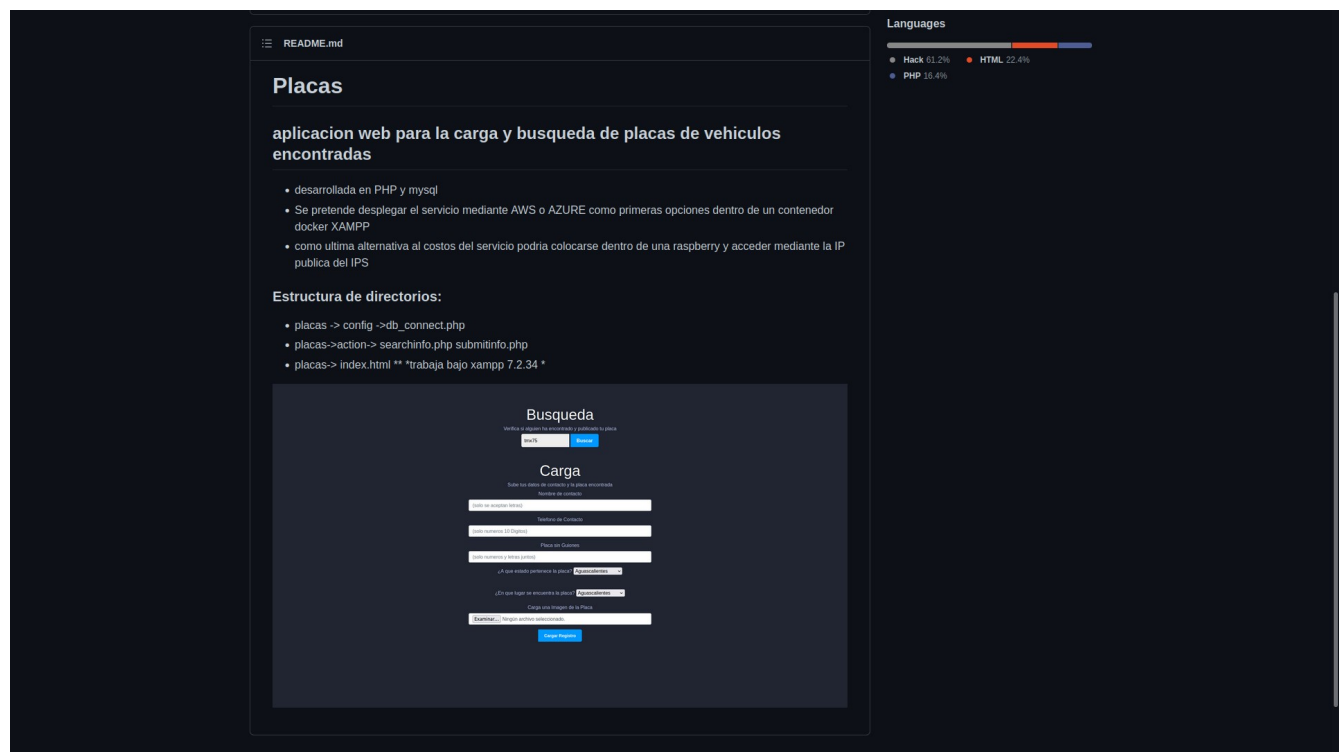
As a last alternative to the cost of the service, it could be placed inside a raspberry and accessed through the public IP of the IPS

Directory structure:

boards -> config -> db_connect.php

boards-> action-> searchinfo.php submitinfo.php

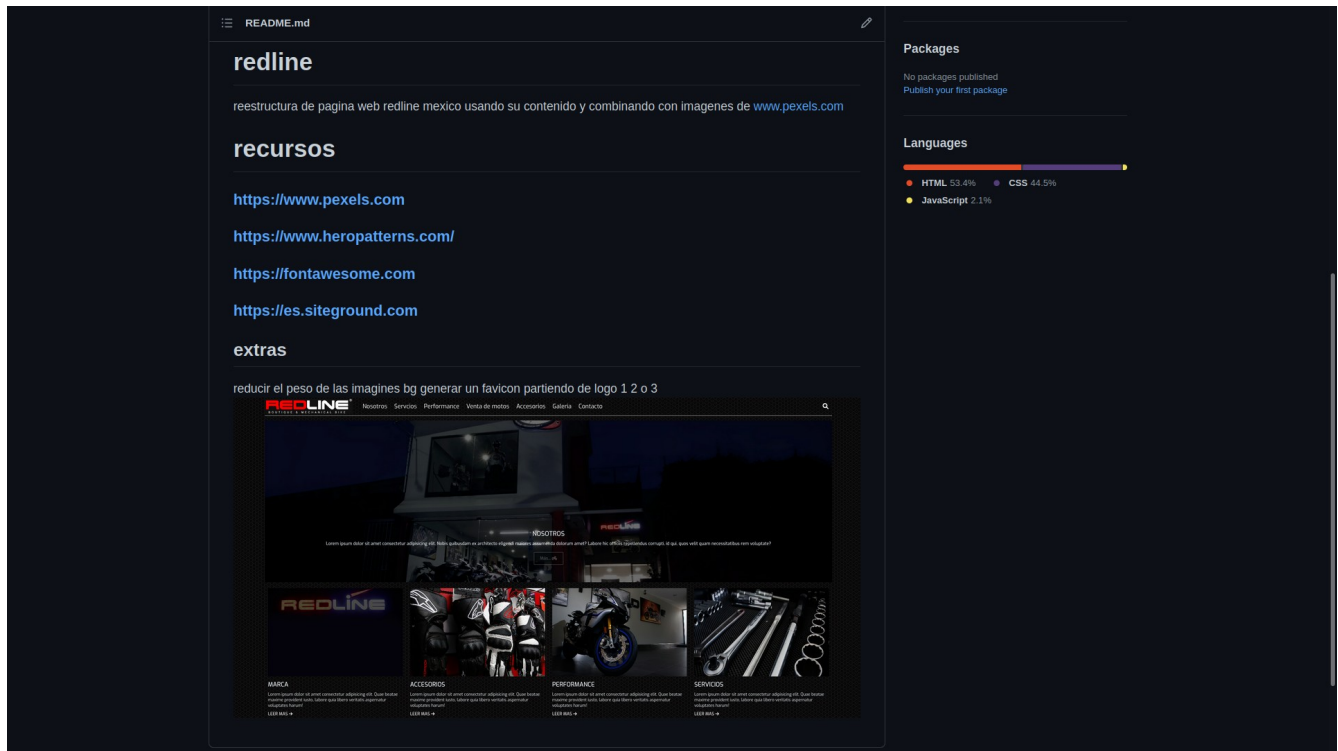
plates-> index.html ** * works under xampp 7.2.34 *



Reestructure of website HTML

<https://github.com/eddgar10/redline>

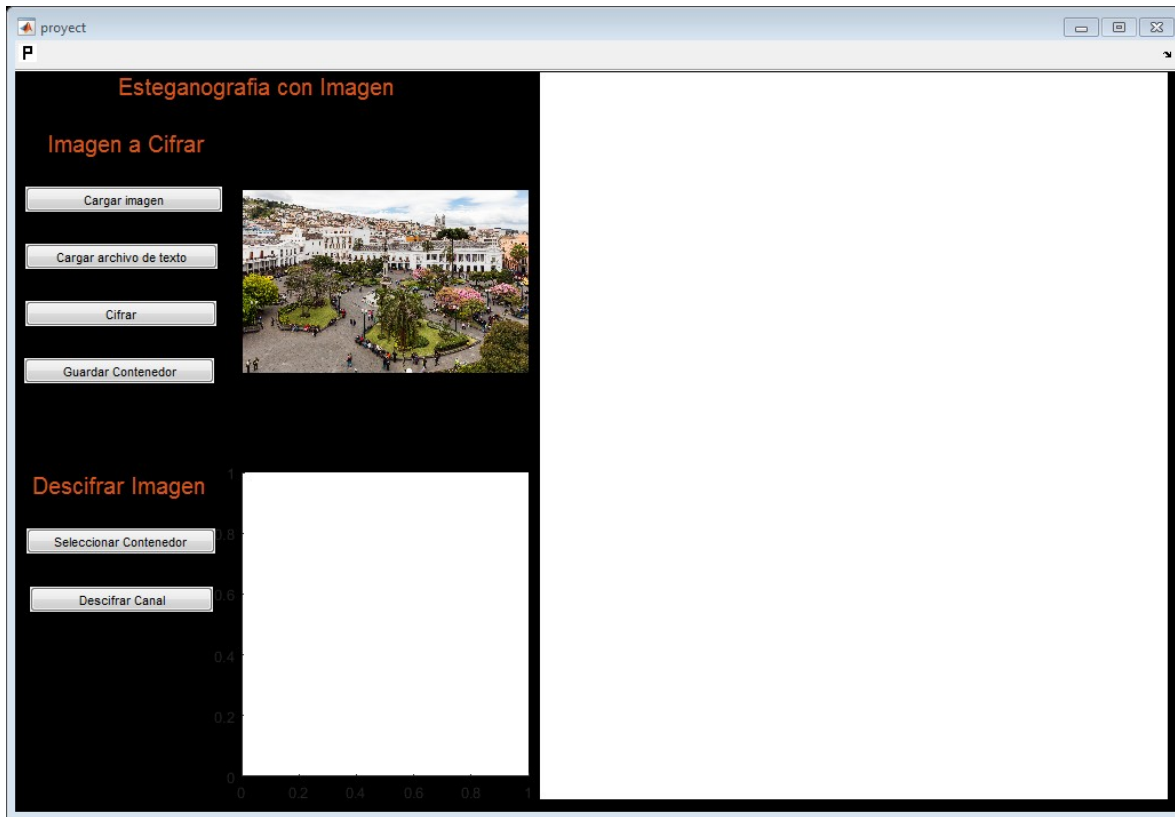
Redline Mexico website restructuring using its content and combining with images from www.pexels.com



Steganography with images in MATLAB

<https://github.com/eddgar10/esteganografia>

Making use of the multiple functions offered by Matlab for image processing, a steganography procedure will be implemented to perform plaintext encryption in .txt format to a chosen image.



"LIGHT ALARM" based on ARDUINO

<https://github.com/eddggar10/alarmaluminosa>

"Luminous Alarm" a project oriented to specific applications based on arduino, for example to offer a solution to attend to the tasks of people with hearing problems.

