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TRADING PLATFORM ONLINE MAD SERVICES

Final Degree Project

Author: Alejandro Fernandez Perez

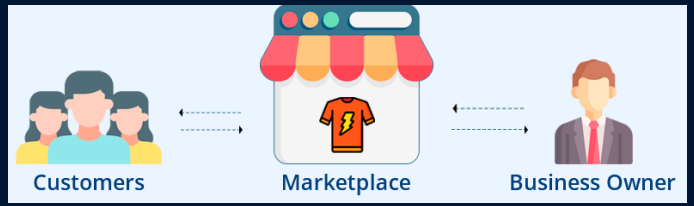
Structure:

1. Presentation of the prototype made
2. Basic concepts of its development
3. Development of the prototype carried out
4. Results
5. Final Conclusion
6. Practical demonstration in 3 min
7. Round of questions or doubts

What is the MAD Services eCommerce Platform?

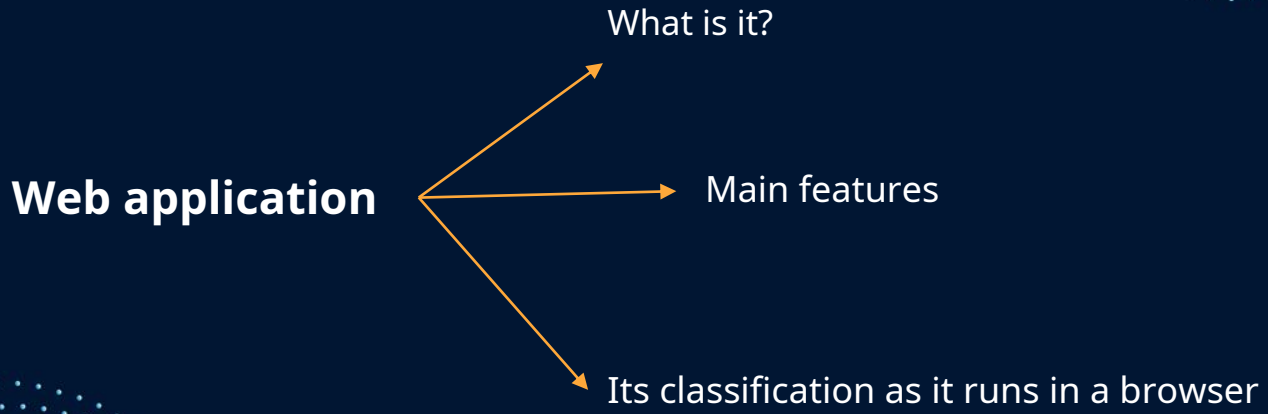
Web application

*Marketplace*B2C type



E-commerce

Basic concepts of its development



Web application

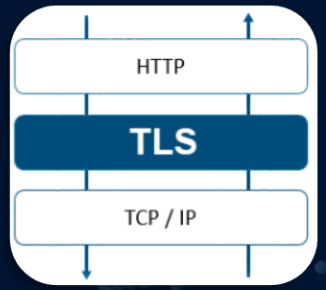
Web client running in a browser

Web server

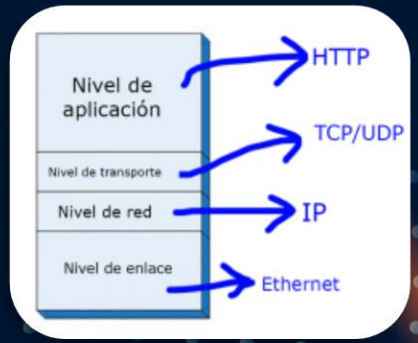
Solicitud HTTP

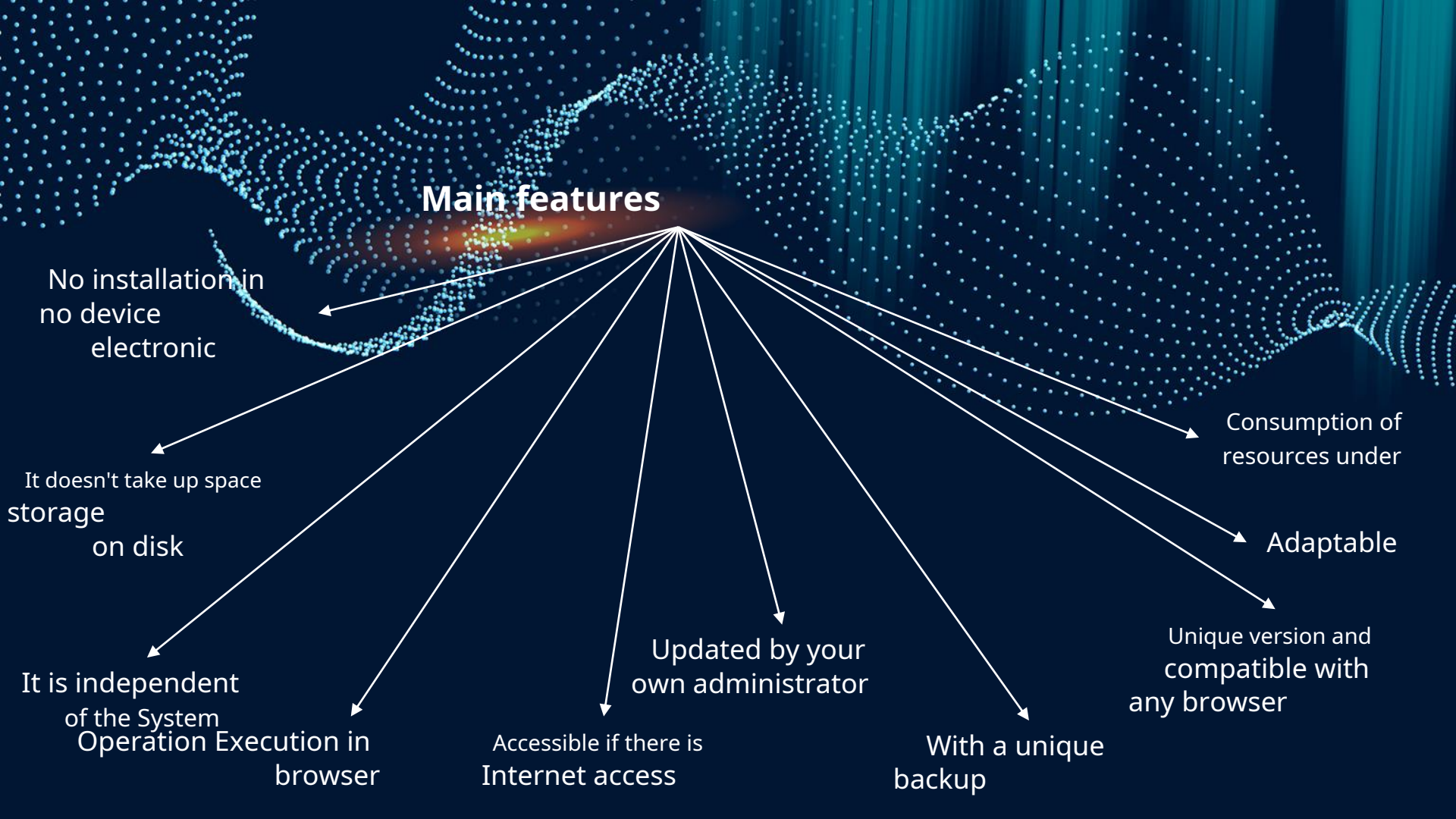
Respuesta HTTP

Under the protocol HTTP or HTTPS:



TCP/IP Architecture



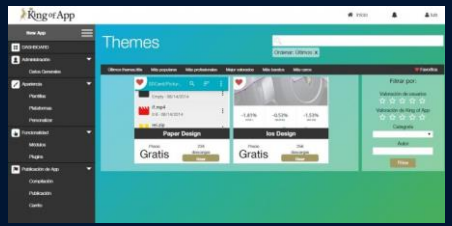

Main features
No installation in no device electronic
It doesn't take up space storage on disk
It is independent of the System
Operation Execution in browser
Accessible if there is Internet access
Updated by your own administrator
With a unique backup
Unique version and compatible with any browser
Adaptable
Consumption of resources under

Classification of a web application

Depending on how it runs in the browser

Applications according to how they are programmed and designed

Applications according to the category to be developed



Other basic concepts of its development

Marketplace

What is it?

Differences between this Marketplace and others of its competition

The type chosen in this application

What is a Marketplace?

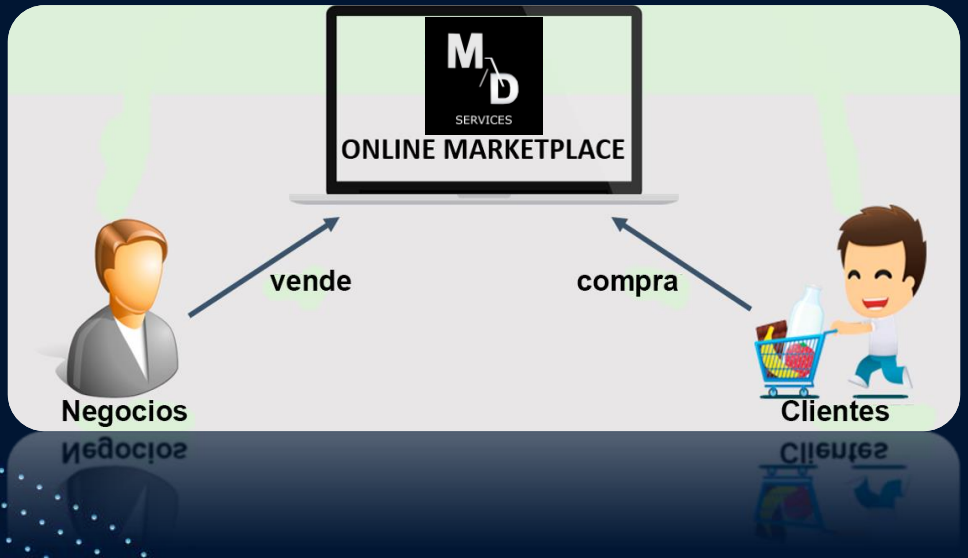
Spaces of

amazon

MarketPlace

AliExpress

Type chosen in this application



B2C

Differences between this Marketplace and others your competence

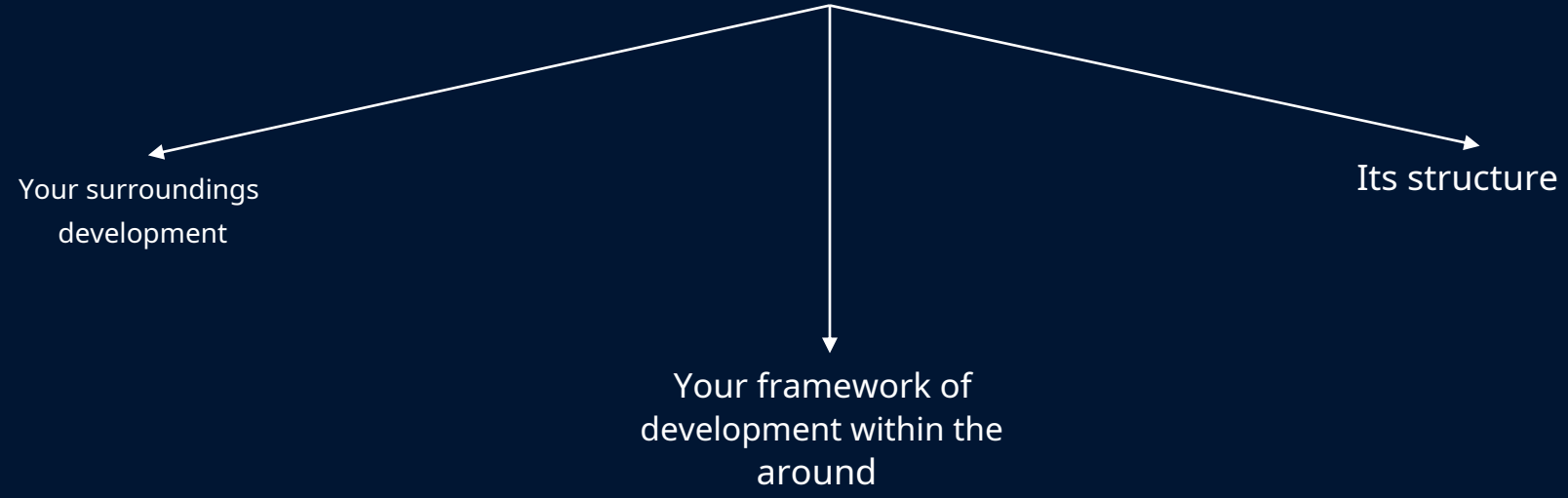
- Prominence to registered companies

- Highlight logo and company brand

- Let your product and/or service sales interface develop

- Filter your company search by type and name

Prototype development



Prototype development environment

- Main technology in this prototype

- Two relevant features:

Executed in the runtime engine
JavaScript V8

High scalability

Before continuing.....

Definition

Aim

Do you know what a is? framework?

MVC Architecture

M

Administrator of databases

Graphical interface of databases

Administrator of interfaces User

View

Administrator of the appearance from the interface

Controller

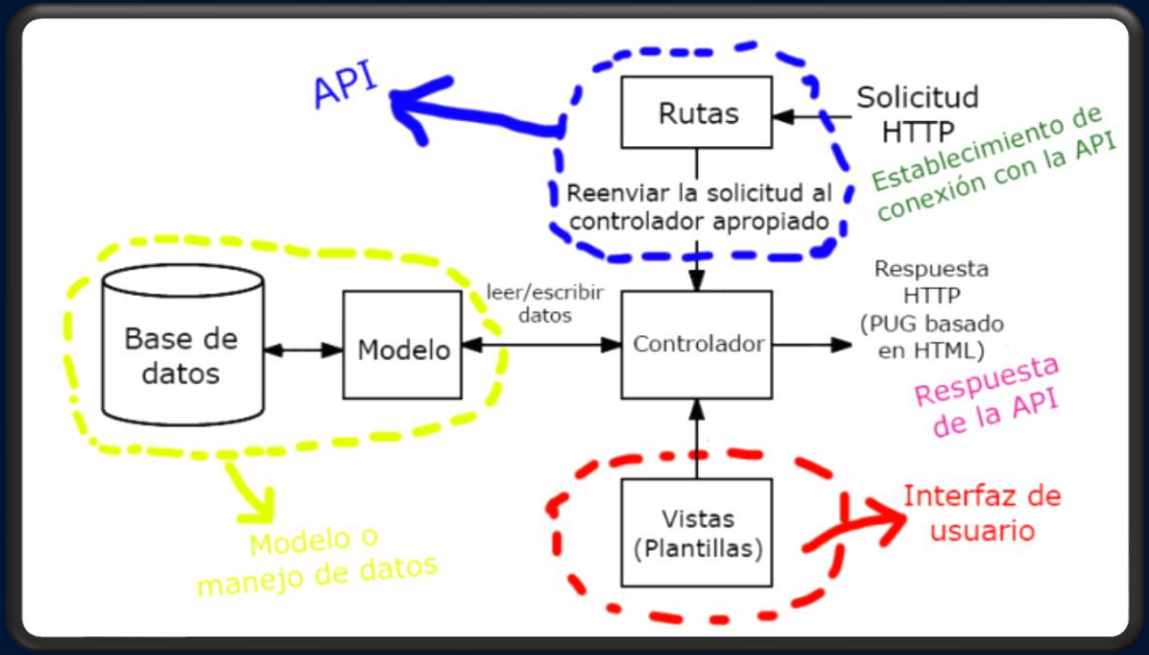
Base language of the web application

Core Technology Framework

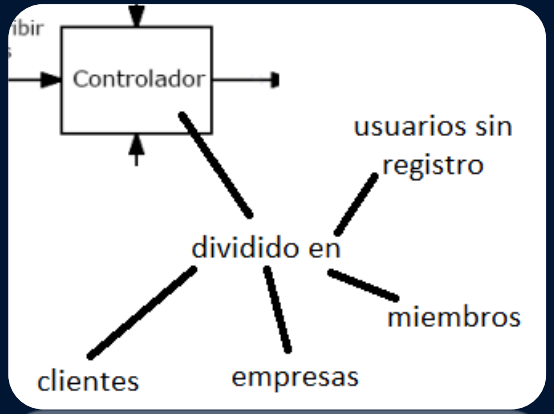
- Project generated to quickly develop the API and the User Interface

- Express JS as a MEAN Stack Technology

Prototype structure

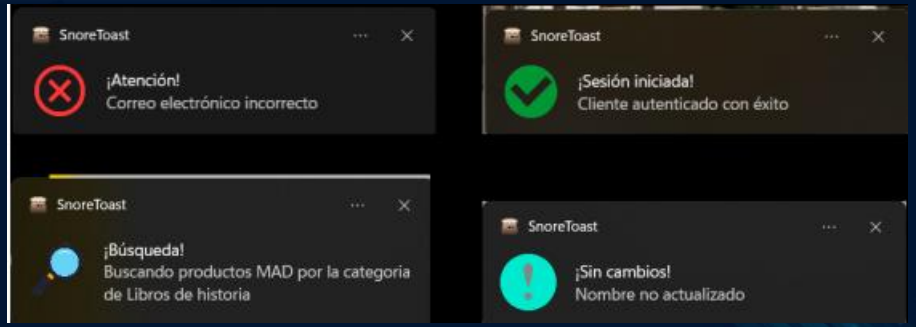


Controller



Powered by Multer

Powered by Node-Notifier



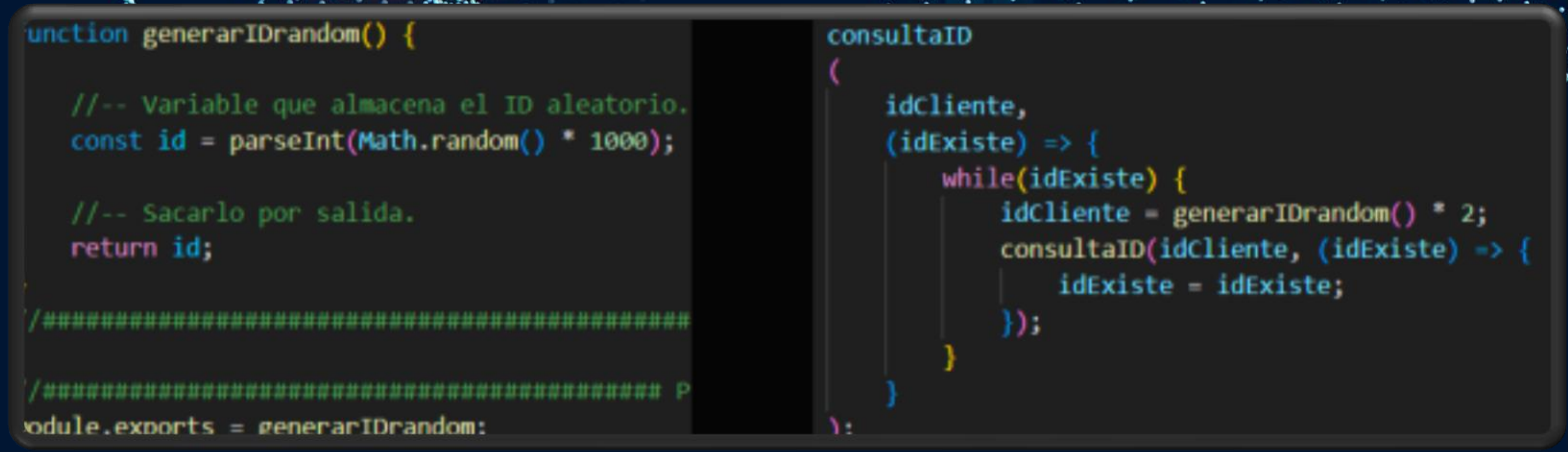
Routes

Structure of a route:

```
rutasGet.get('/', (
```

Types of HTTP methods:

External files affecting the Controller



```
unction generarIDrandom() {

    //-- Variable que almacena el ID aleatorio.
    const id = parseInt(Math.random() * 1000);

    //-- Sacarlo por salida.
    return id;

/##############################################

/############################################## P
odule.exports = generarIDrandom;
```

```
consultaID
(
    idCliente,
    (idExiste) => {
        while(idExiste) {
            idCliente = generarIDrandom() * 2;
            consultaID(idCliente, (idExiste) => {
                idExiste = idExiste;
            });
        }
    }
);
```

External files affecting the User Interface

Prototype GIF files

Prototype favicon

Prototype image files

PDFs of the Terms and Conditions

```JS
var gLogo = document.getElementById("logo-espai");
var gCanvas = document.getElementById("espai");
var gContext = gCanvas.getContext("2d");
var gFrame = 0;

function pintar() {
  gFrame = (gFrame + 1) % 400;

  gContext.fillStyle="#fff";
  gContext.rect(0, 0, 320, 60);
  gContext.fill();

  gContext.drawImage(gLogo, 330 - gFrame * 2, 10);

  if ((gFrame > 310) && (gFrame % 20 < 10)) {
      gContext.fillStyle="#FF5A19";
      gContext.font = "35px Arial";
      gContext.fillText("Escola Espai", 60, 40);
      gContext.strokeText("Escola Espai", 60, 40);
  }
}

setInterval(pintar, 40);
```

Archives**Canvas**to move the logos of own products and multi-brand products

Auto-run when computer is turned on

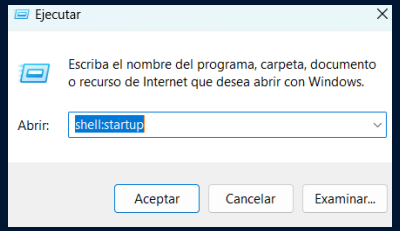
3000.bat

```
@Echo off

:home
cls

c:
cd\
cd Users\soyal\madservices
@npm start
goto End
```

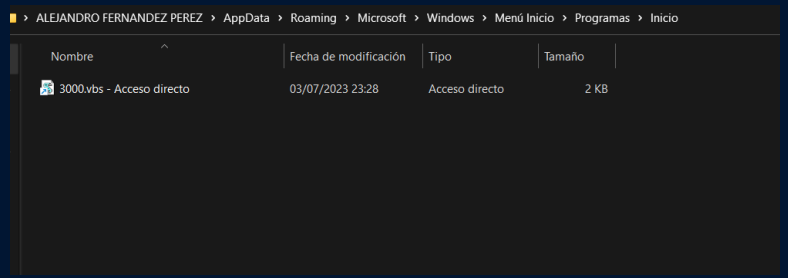
3000.vbs

```
Set WshShell = CreateObject("WScript.Shell")
WshShell.Run chr(34) & "3000.bat" & Chr(34), 0
Set WshShell = Nothing
```

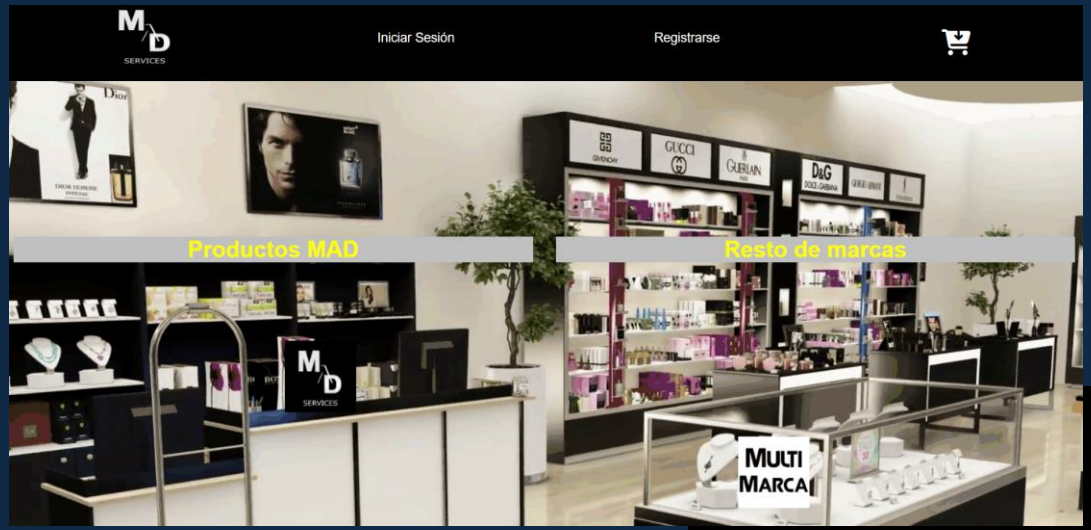
=> Files used



=> Directory where it is executed

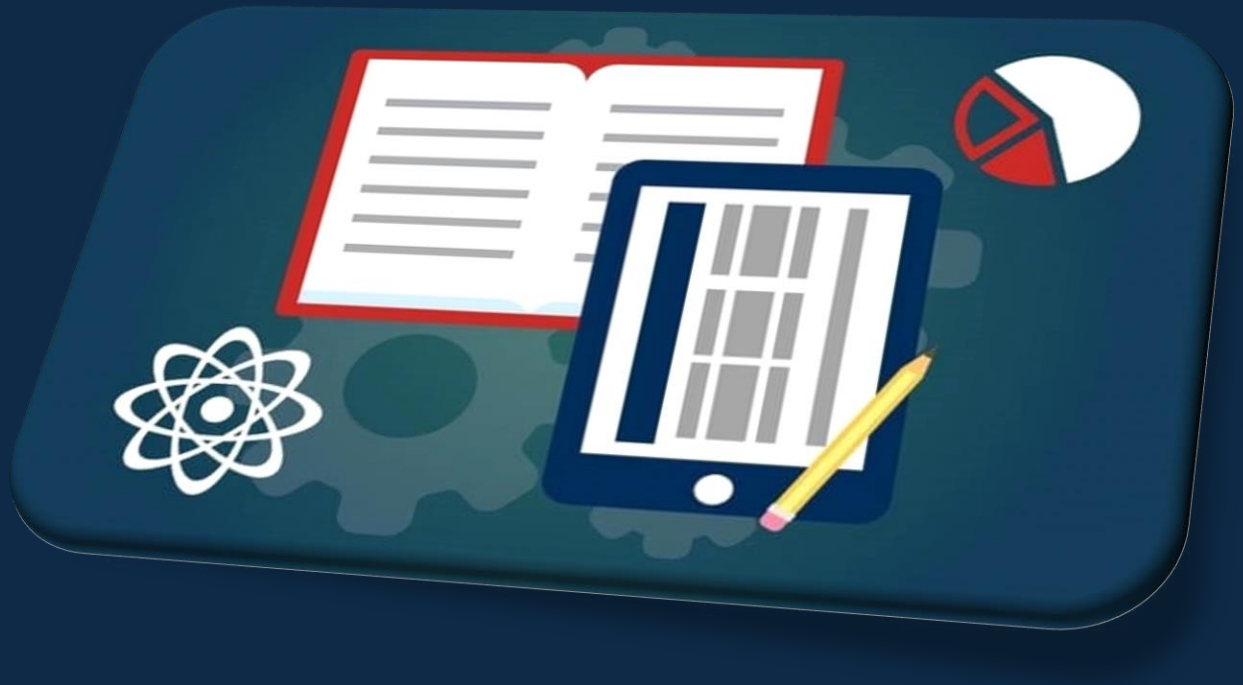


Results



Cliente | Empresa | Miembro MAD

Final Conclusion



Practical demonstration

It consists of six practical tests:

1. Video about a failed customer registration
2. Video about a successful customer registration

Approximate duration 30 sec each

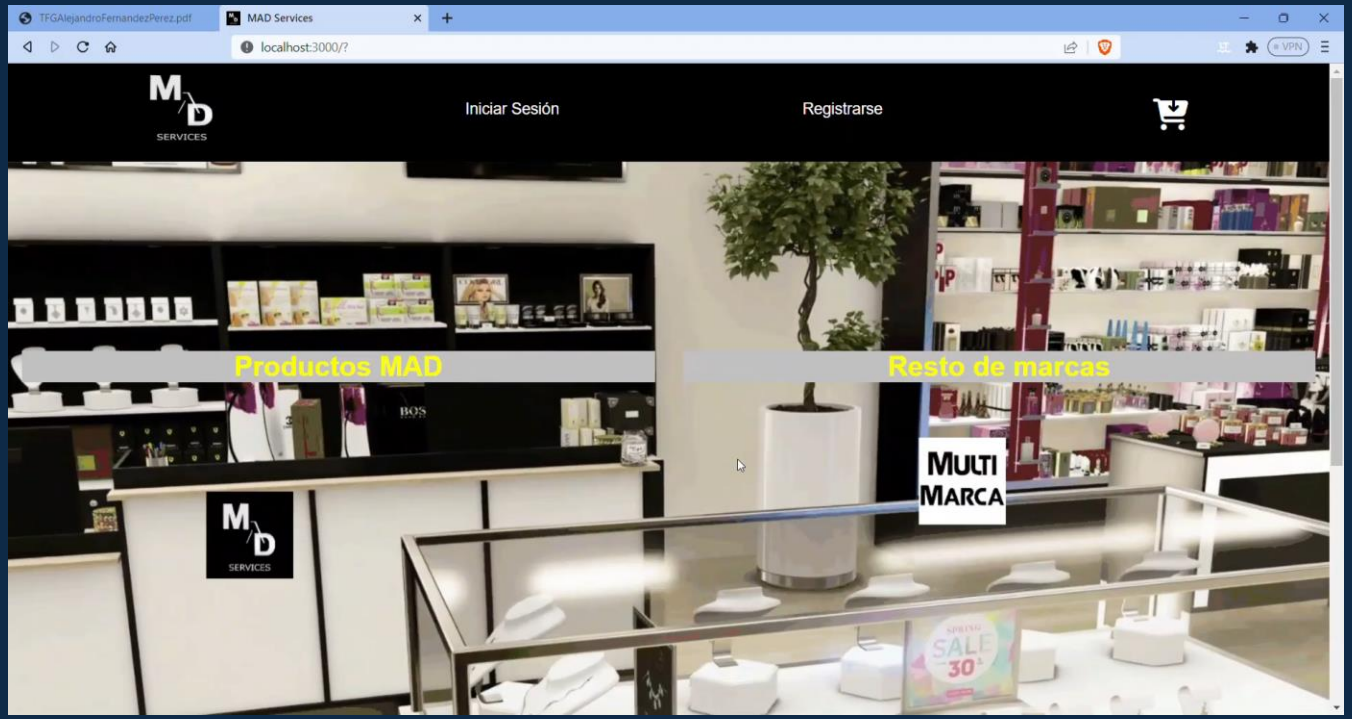
3. Video about a failed company registration
4. Video about a successful company registration

Approximate duration 30 sec each

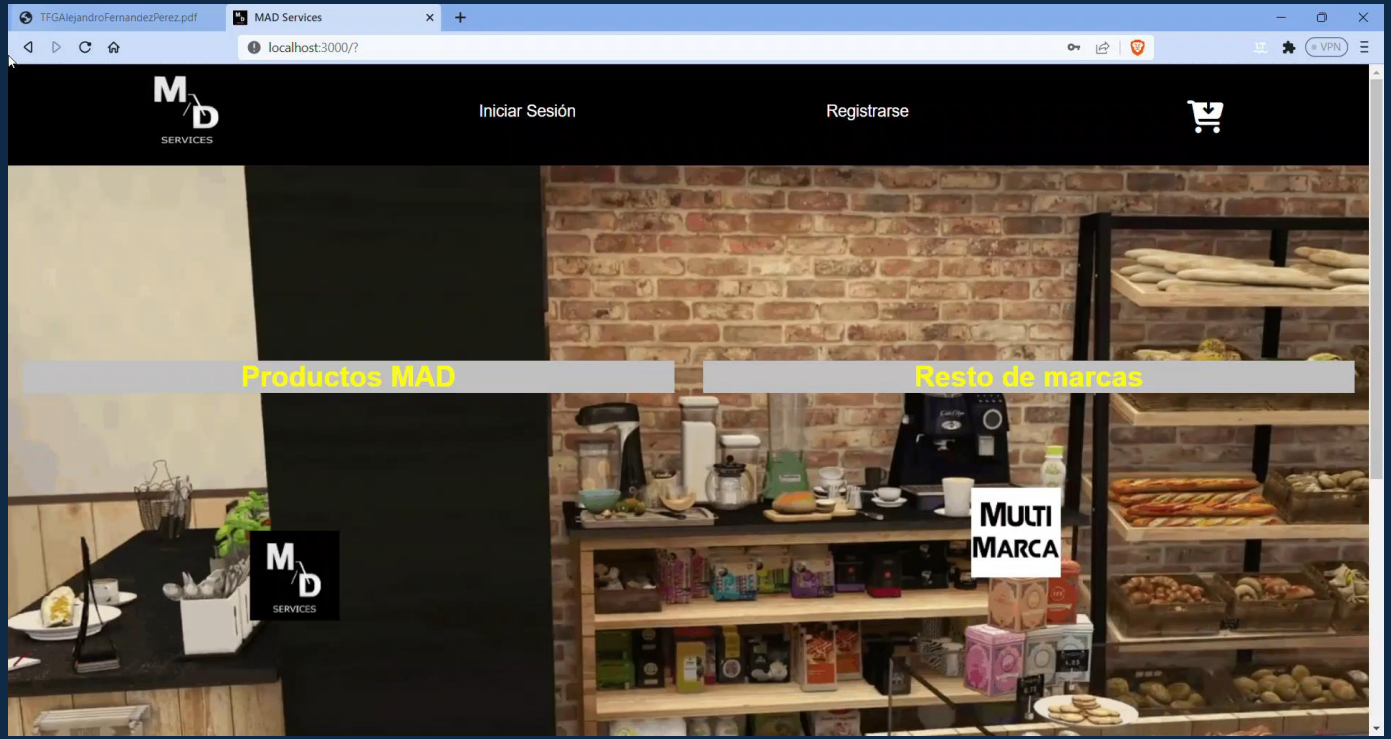
5. Video of the search filter of a product per customer
6. Video of a customer purchasing a product

Approximate duration 30 sec each

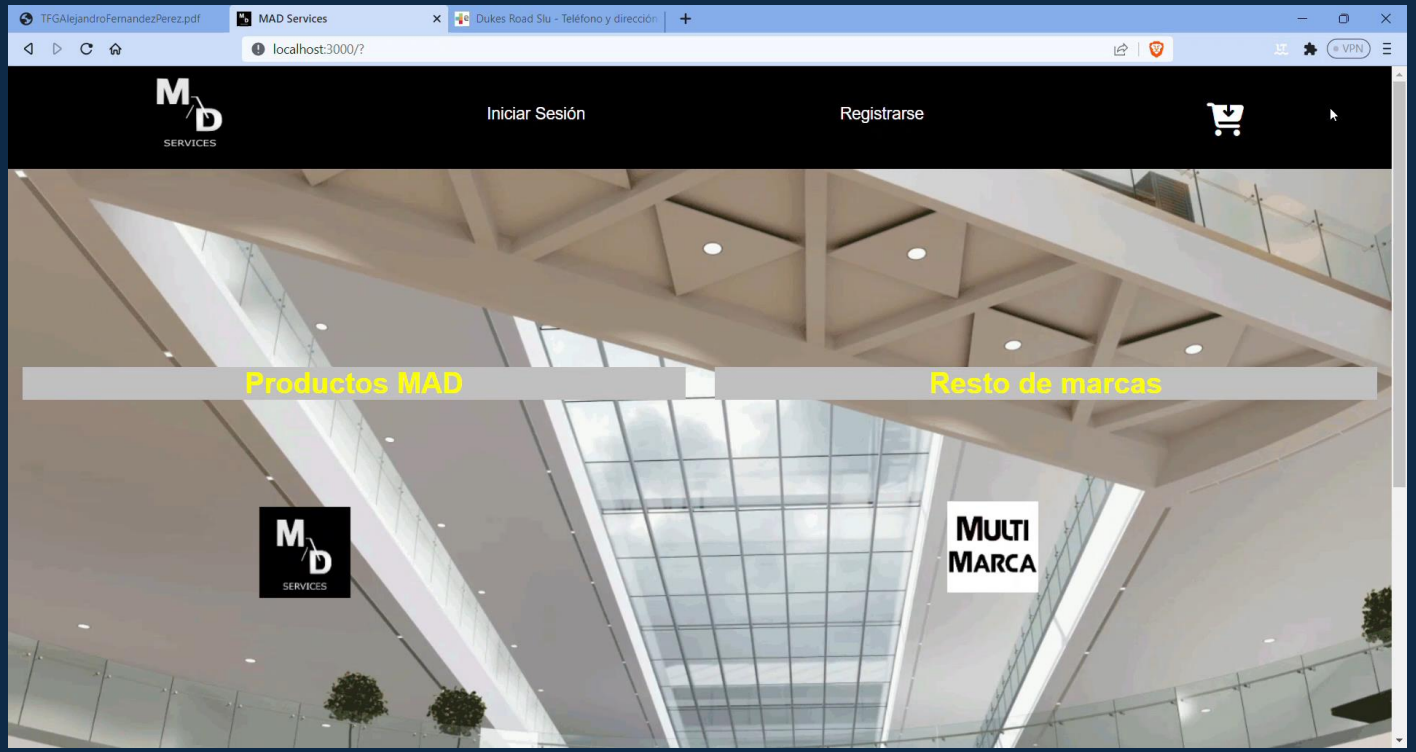
1


TFGAlejandroFernandezPerez.pdf
MAD Services
localhost:3000/?
VPN
SERVICES
Iniciar Sesión
Registrarse
Productos MAD
Resto de marcas
BOSS
MULTI MARCA
SERVICES
SALE
30

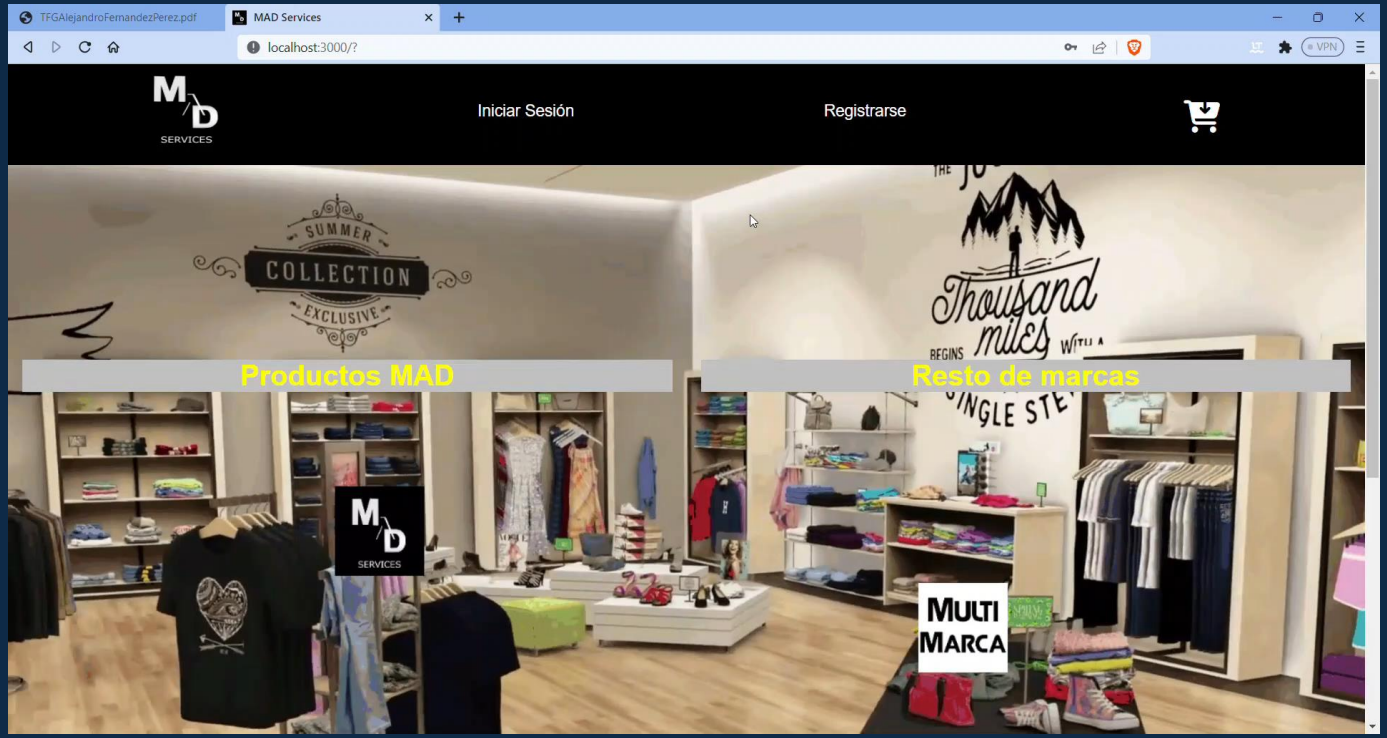
2


TFGAlejandroFernandezPerez.pdf
MAD Services
localhost:3000/?
SERVICES
Iniciar Sesión
Registrarse
Productos MAD
Resto de marcas
MULTI MARCA
SERVICES

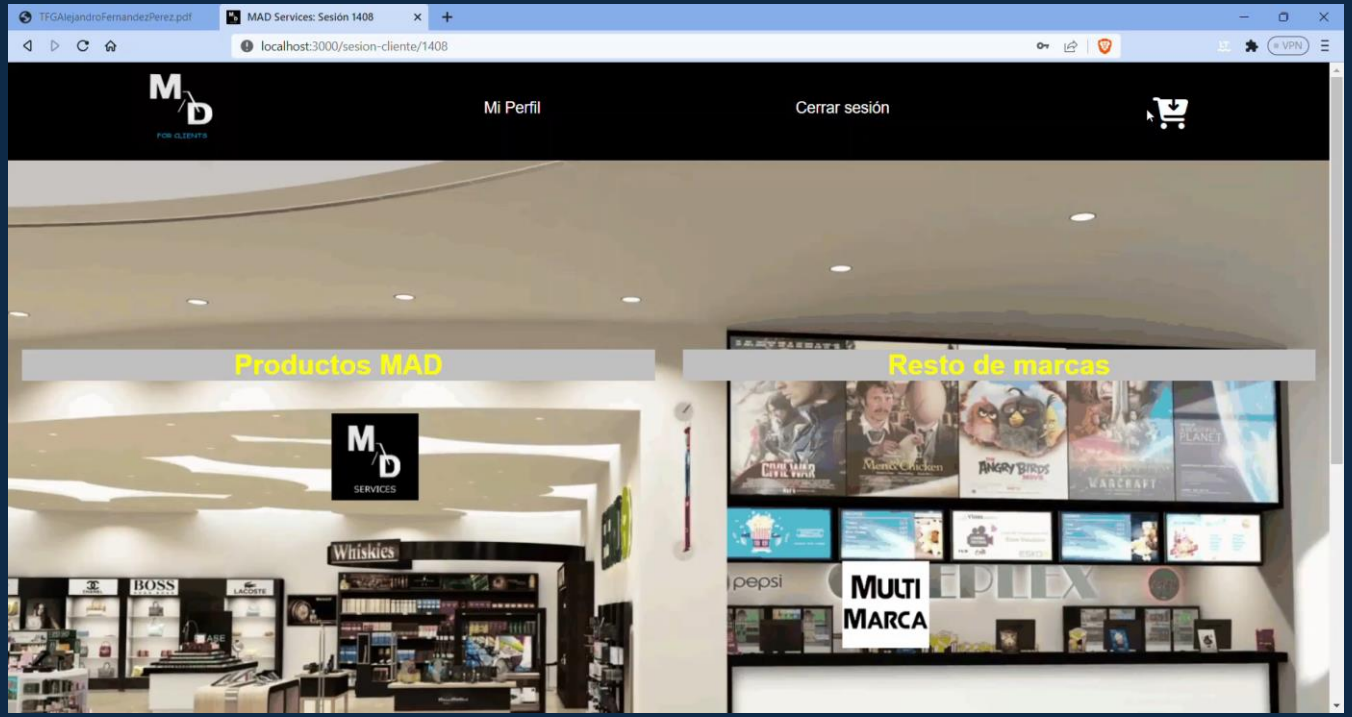
3


TFGAlejandroFernandezPerez.pdf
MAD Services
Dukes Road Slu - Teléfono y dirección
localhost:3000/?
VPN
SERVICES
Iniciar Sesión
Registrarse
Productos MAD
Resto de marcas
SERVICES
MULTI MARCA

4

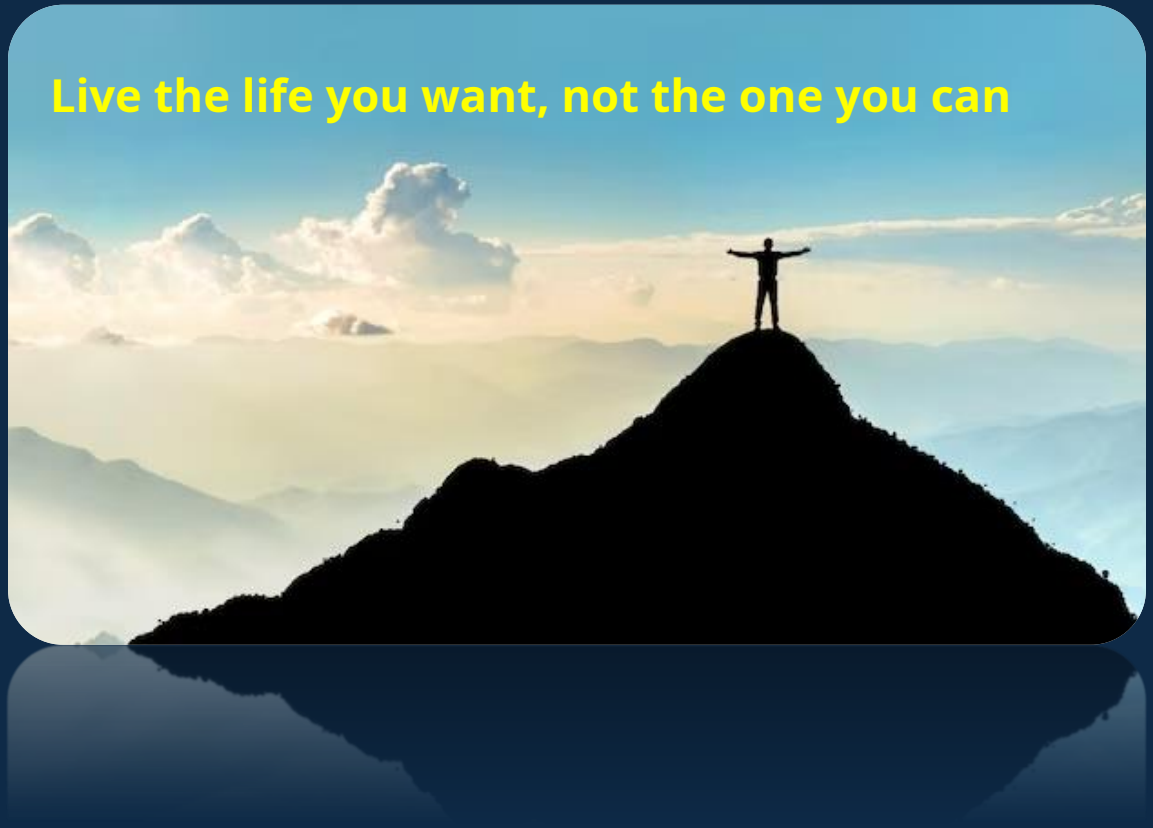

TFGAlejandroFernandezPerez.pdf
MAD Services
localhost:3000/?
SERVICES
Iniciar Sesión
Registrarse
SUMMER
COLLECTION
EXCLUSIVE
Productos MAD
Resto de marcas
MULTI
MARCA

5


TFGAlejandroFernandezPerez.pdf
MAD Services: Sesión 1408
localhost:3000/sesion-cliente/1408
Mi Perfil
Cerrar sesión
Productos MAD
Resto de marcas
SERVICES
Whiskies
BOSS
LACOSTE
pepsi
MULTI MARCA

6

TFGAlejandroFernandezPerez.pdf
1408 viendo Productos MAD
localhost:3000/sesion-cliente/1408/productosmadservices/buscar
Mi Perfil
Cerrar sesión
¡ANÚNCIATE AQUÍ!
Búsqueda a medida
Por nombre del producto:
Buscar por título....
Por tipo de producto:
Todo
Por precio del producto:
Todos los precios
0 a 10€
10 a 20€
20 a 30€
30 a 40€
40 a 50€
50 a 60€
60 a 70€
70 a 80€
¡Allá tú! El juego oficial
¡ALLÁ TÚ!
17 unidades quedan
32.69€
Añadir al carrito

Round of questions or doubts

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