

## Exposed Credentials

Screenshot of a browser showing the OWASP Juice Shop application and its source code.

The browser tabs include:

- Tarifa
- Activity 2- Juice Shop (Star 2).odt
- OWASP Juice Shop
- Luis Henrique de Carvalho Ribeiro
- (183) ★ Zero Stars (Improper Input Validation)
- OWASP Juice Shop

The main page shows a score board with challenges categorized by issue type:

- All
- XSS
- Sensitive Data Exposure
- Improper Input Validation
- Broken Access Control
- Unvalidated Redirects
- Vulnerable Components
- Broken Authentication
- Security through Obscurity
- Insecure Deserialization
- Miscellaneous
- Broken Anti Automation
- Injection
- Security Misconfiguration
- Cryptographic Issues
- XXE

A message indicates: "17 challenges are unavailable on Docker due to security concerns or technical incompatibility." Below this, two challenges are listed:

- XSS**: Reflected XSS (★ ★) - Perform a reflected XSS attack with `/this/` to steal session cookies from other users.
- Injection**: Login Admin (★ ★) - Access the administration section of the store.

The right side of the screen shows the `main.js` file in a code editor:

```

// ...
windowRefService;
cookieService;
router;
localStorageService;
httpService;
ngModule;
emailControl = new FormControl("", [isEmail.required]);
passwordControl = new FormControl("", [isStrong.required, minLength(1)]);
title = "10";
error;
routeAvailable = true;
redirectToUrl = "/";
testingUsername = "testing@juice-sh.op";
testingPassword = "Testing123!";
constructor(a, b, c, d, e, f) {
    this.configurationService = a,
    this.userService = b,
    this.windowRefService = c,
    this.cookieService = d,
    this.localStorageService = e,
    this.httpService = f,
    this.backstageService = g,
    this.ngZone = h
}
ngOnInit() {
    const e = localStorage.getItem("email");
    e ? (this.user.email = e),
        this.user.email = e,
        this.password.value = e,
        this.password.value = this.userProfile.setValue(e),
        this.redirectUrl = `${this.configurationService.apiUrl}new-location${this.protocol}/${
            this.configurationService.oauthAuthentication.redirectUrl
        }`;
        this.configurationService.oauthAuthentication.redirectUrl = this.redirectUrl
    : ...
}
  
```

The bottom status bar shows: 12:29 18/06/2025.

Below the browser, another window shows the OWASP Juice Shop login page:

**Login**

Email: testing@juice-sh.op

Password:

Forgot your password?

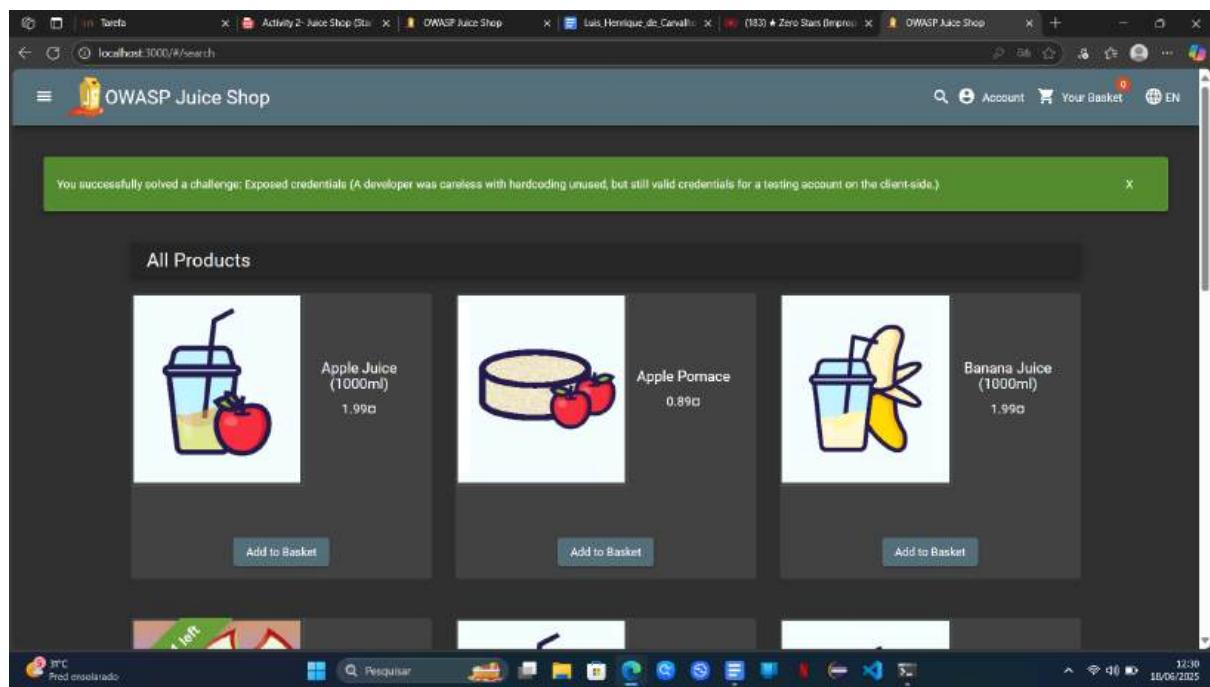
Remember me

or

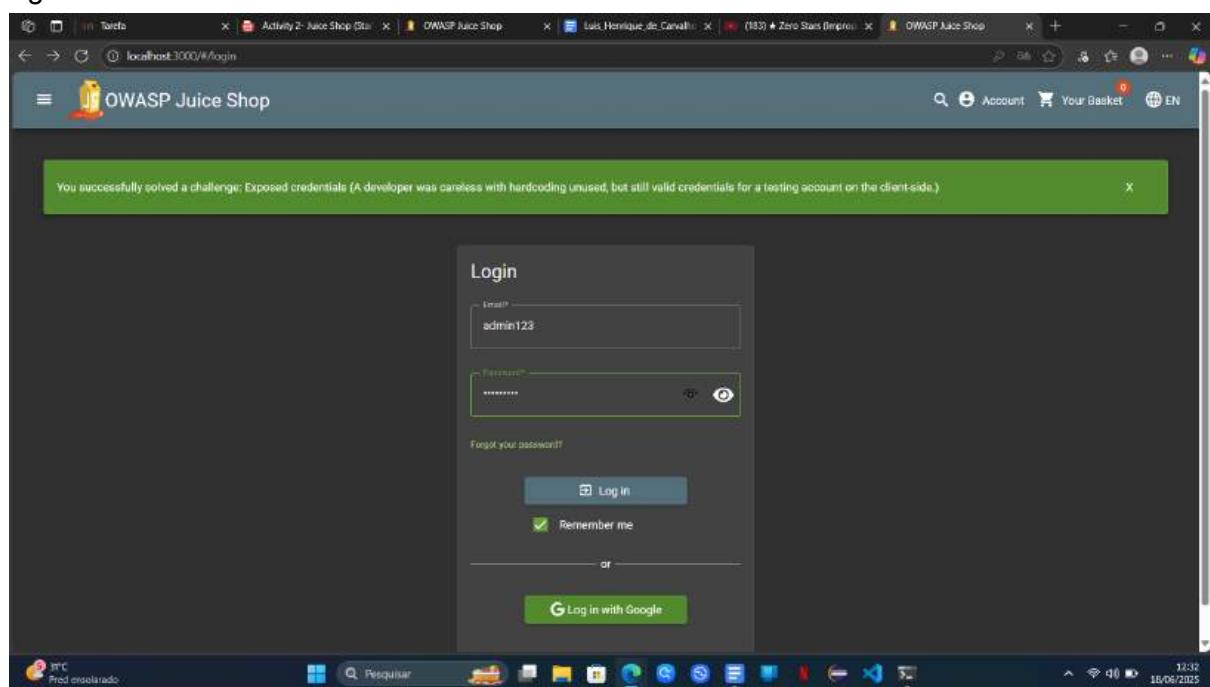
[Log in with Google](#)

Not yet a customer?

The bottom status bar shows: 12:29 18/06/2025.



login admin



Admin Section

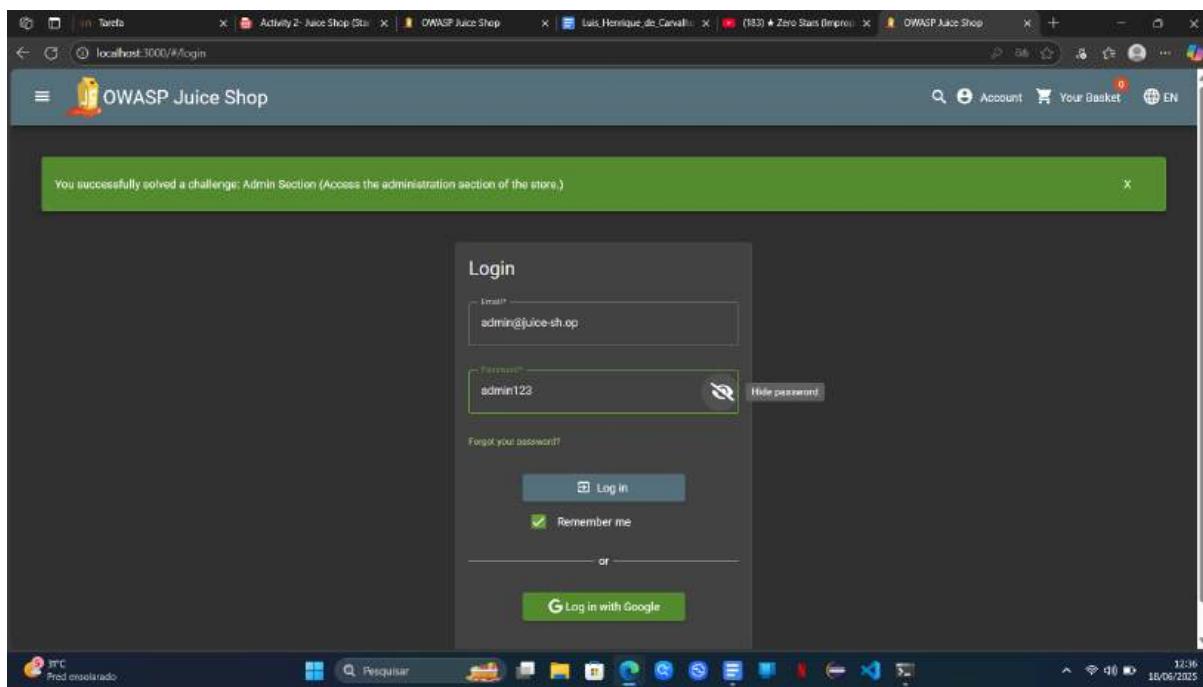
The screenshot shows a Windows desktop environment with multiple browser tabs open. The active tab is 'localhost:3000/administration' for the OWASP Juice Shop application. A green success message at the top of the page reads: 'You successfully solved a challenge: Admin Section (Access the administration section of the store.)'. The main content area is titled 'Administration' and contains two sections: 'Registered Users' and 'Customer Feedback'.  
  
**Registered Users:**

- admin@juice-sh.op
- jmi@juice-sh.op
- bender@juice-sh.op
- björn.kimmich@gmail.com
- ciao@juice-sh.op
- support@juice-sh.op
- marty@juice-sh.op
- mc:safesearch@juice-sh.op

  
**Customer Feedback:**

- 1 I love this shop! Best products in town! Highly recommended! (\*\*\*)in@juice-sh.op) ★★★
- 2 Great shop! Awesome service! (\*\*\*)@juice-sh.op) ★★★★
- 3 Nothing useful available here! (\*\*\*)der@juice-sh.op) ★
- 21 Please send me the juicy chatbot NFT in my wallet at /juicy-nft/. purpose betray message blame crunch monitor spin slide donate sport lift clutch! (\*\*\*)erum@juice-sh.op) ★★  
Incomplainant customer support! Can't even upload photo of broken purchase!  
Support Team: Sorry, only order confirmation PDFs can be attached to complaints! (anonymous)

## Password Strength

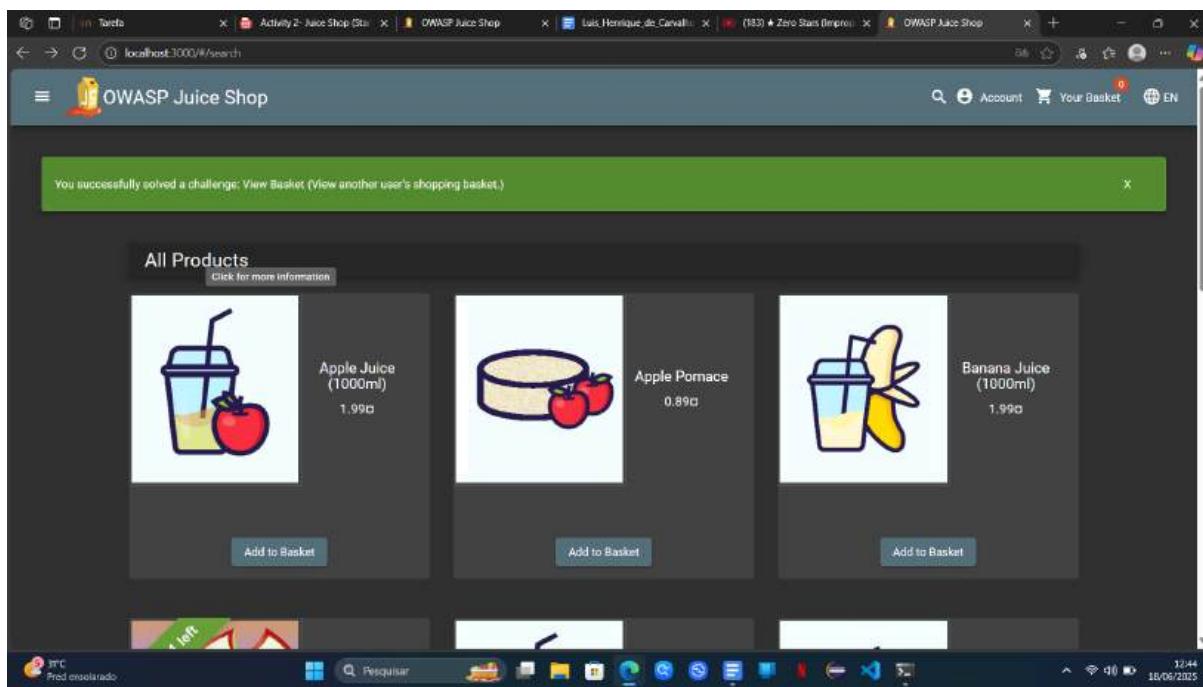


The screenshot shows the OWASP Juice Shop score board. At the top, there is a navigation bar with various categories: All, XSS, Sensitive Data Exposure, Improper Input Validation, Broken Access Control, Unvalidated Redirects, Vulnerable Components, Broken Authentication, Security through Obscurity, Insecure Deserialization, Miscellaneous, Broken Anti Automation, Injection, Security Misconfiguration, Cryptographic Issues, and XXE. Below the navigation bar, a message states: "⚠ 17 challenges are unavailable on Docker due to security concerns or technical incompatibility!" with a "Hide disabled challenges" link.

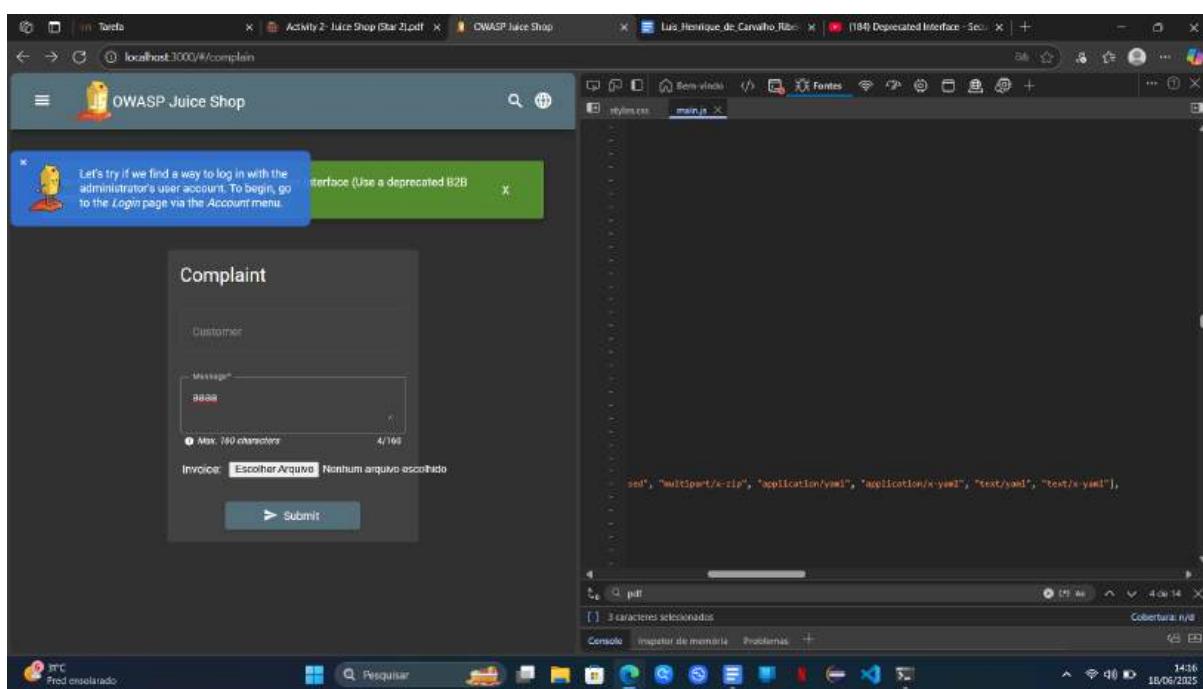
The main area displays a grid of challenges categorized by type:

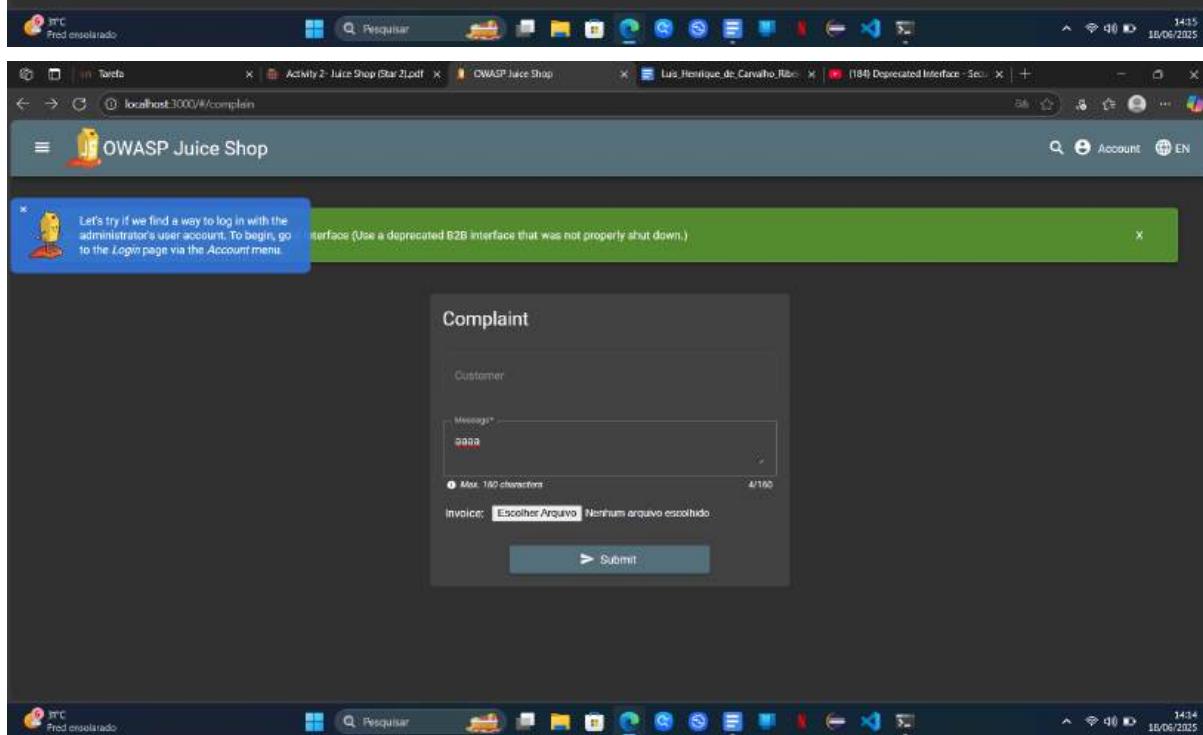
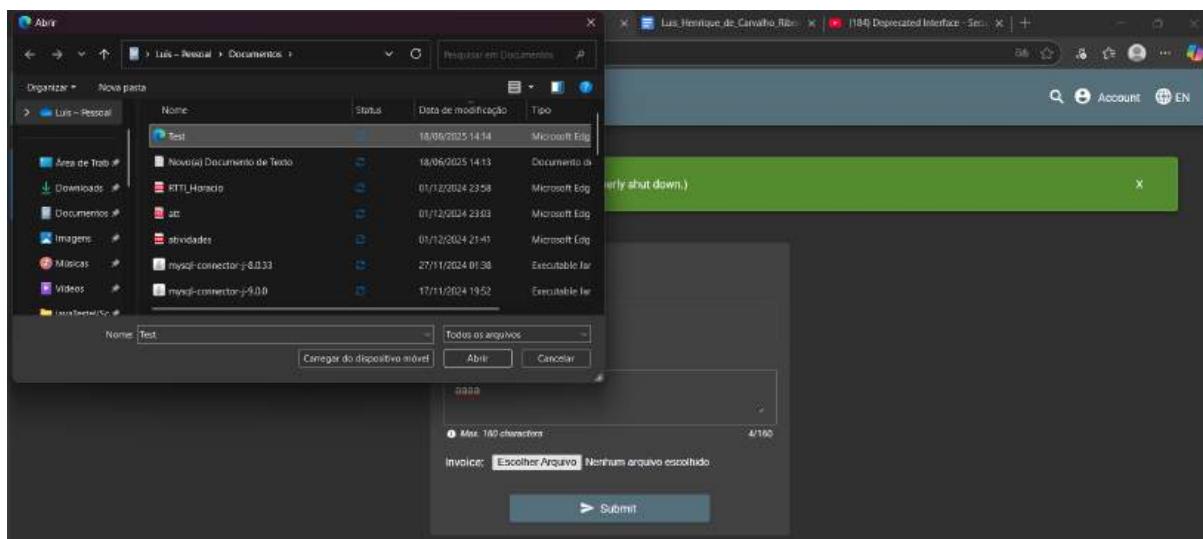
- XSS**:
  - Reflected XSS (Status: Good for Service)
  - Exposed credentials (Status: Good for Service)
- Sensitive Data Exposure**:
  - Admin Section (Status: Good for Service)
  - Meta Geo Stalking (Status: Good for Service)
- Injection**:
  - Login Admin (Status: Good for Service)
  - Deprecated Interface (Status: Good for Service)
- Broken Access Control**:
  - Five-Star Feedback (Status: Good for Service)
  - NFT Takeover (Status: Good for Service)
- Unvalidated Redirects**:
  - Empty User Registration (Status: Good for Service)
- Vulnerable Components**:
  - Photo Wall (Status: Good for Service)
- Cryptographic Issues**:
  - MC SafeSearch (Status: Good for Service)
- Broken Authentication**:
  - Password Strength (Status: Good for Service)
- Security Misconfiguration**:
  - Bound Token (NFT) (Status: Good for Service)
- Broken Anti Automation**:
  - Five-Star Feedback (Status: Good for Service)
- Improper Input Validation**:
  - Photo Wall (Status: Good for Service)
- Insecure Deserialization**:
  - Empty User Registration (Status: Good for Service)
- Miscellaneous**:
  - Photo Wall (Status: Good for Service)
- XXE**:
  - Photo Wall (Status: Good for Service)

View Basket



## Devoted Interface





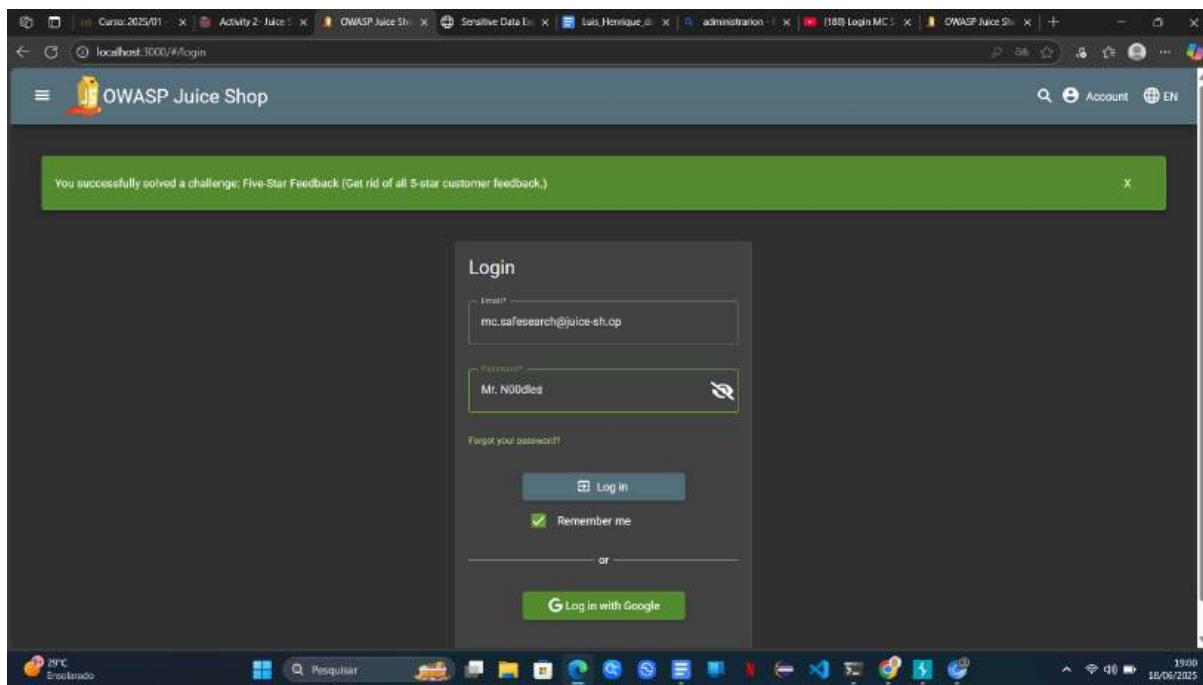
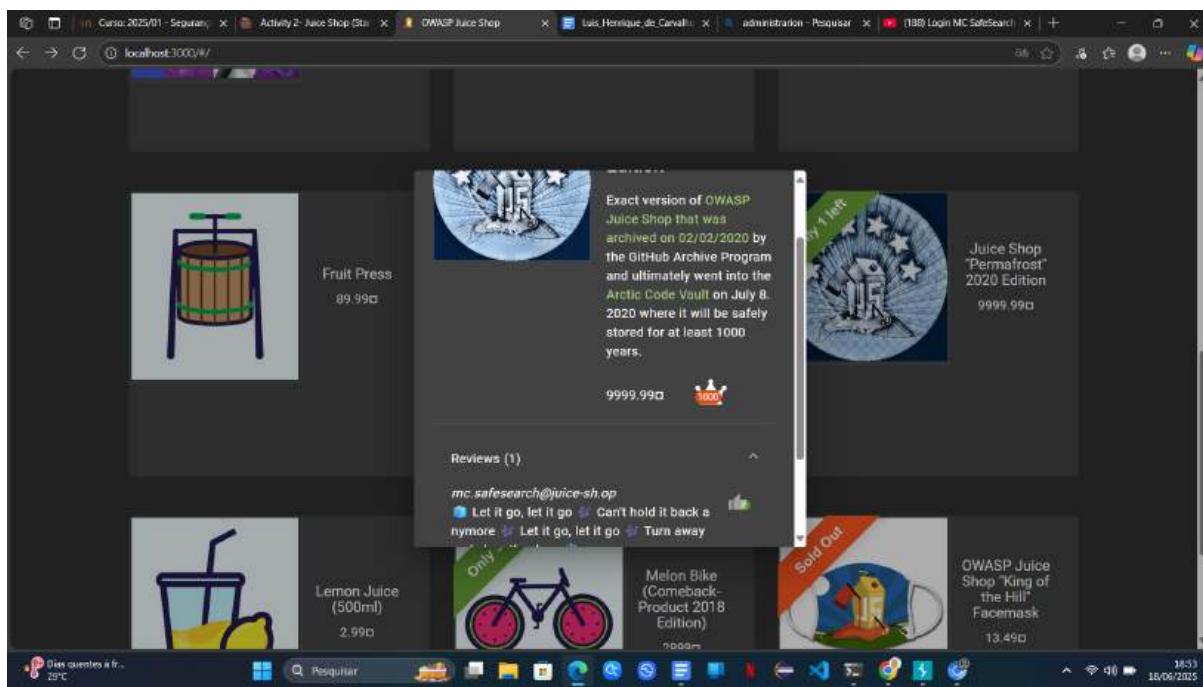
Empty User Register

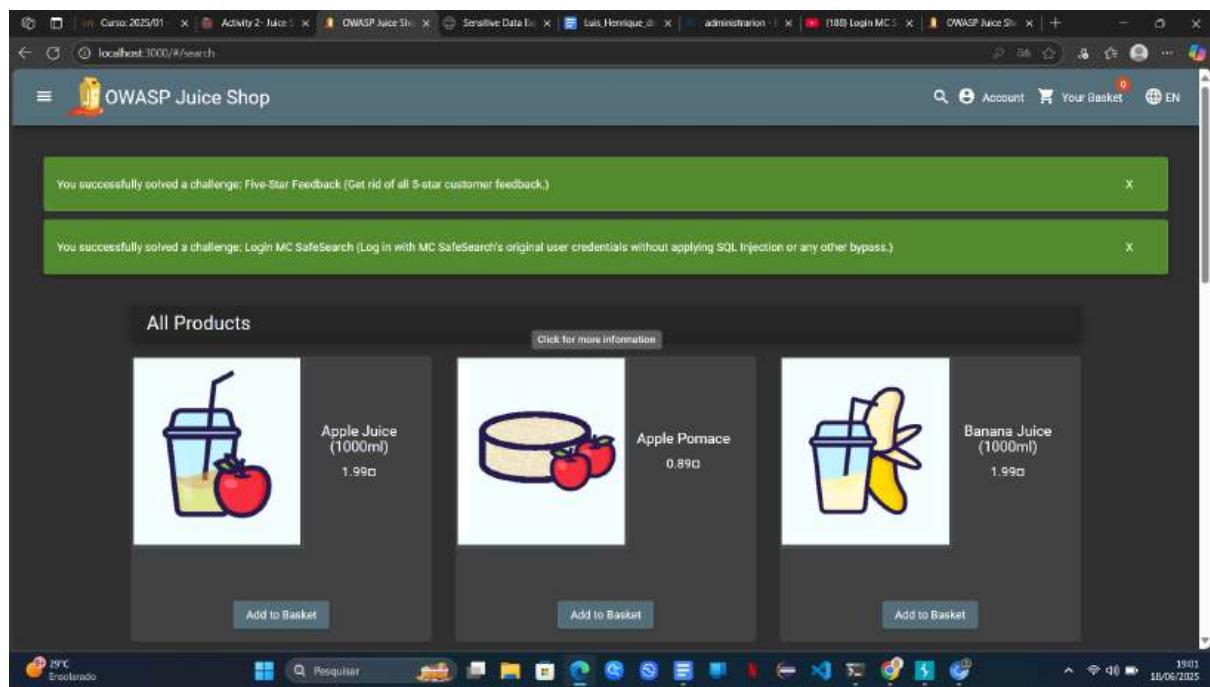
## Five Stars Feedback

The screenshot shows the OWASP Juice Shop administration interface. On the left, there's a sidebar with a user icon and the text "Administration". Below it is a table titled "Registered Users" with a list of email addresses: admin@juice-shop, jim@juice-shop, bender@juice-shop, björn.kimmisch@gmail.com, ciao@juice-shop, support@juice-shop, morty@juice-shop, mc.safesearch@juice-shop, J12345@juice-shop, and wunderlist@juice-shop. On the right, there's a section titled "Customer Feedback" with a list of reviews. Review 1: "I love this shop! Best products in town! Highly recommended!" (\*\*\*@juice-shop) - 3 stars. Review 2: "Great shop! Awesome service!" (\*\*@juice-shop) - 2 stars. Review 3: "Nothing useful available here!" (\*\*der@juice-shop) - 1 star. Review 21: "Please send me the juicy chatbot NFT in my wallet at /juicy-nft : purpose betray marriage blame crunch monitor spin slide donate sport lift clutch" (\*\*\*ereum@juice-shop) - 1 star. Incomplete review: "Incompetent customer support! Can't even upload photo of broken purchase! Support Team: Sorry, only order confirmation PDFs can be attached to complaints!" (anonymous) - 1 star. Review 22: "This is the store for awesome stuff of all kind!" (anonymous) - 3 stars. Review 23: "Never gonna buy anywhere else from now on!" (anonymous) - 3 stars.

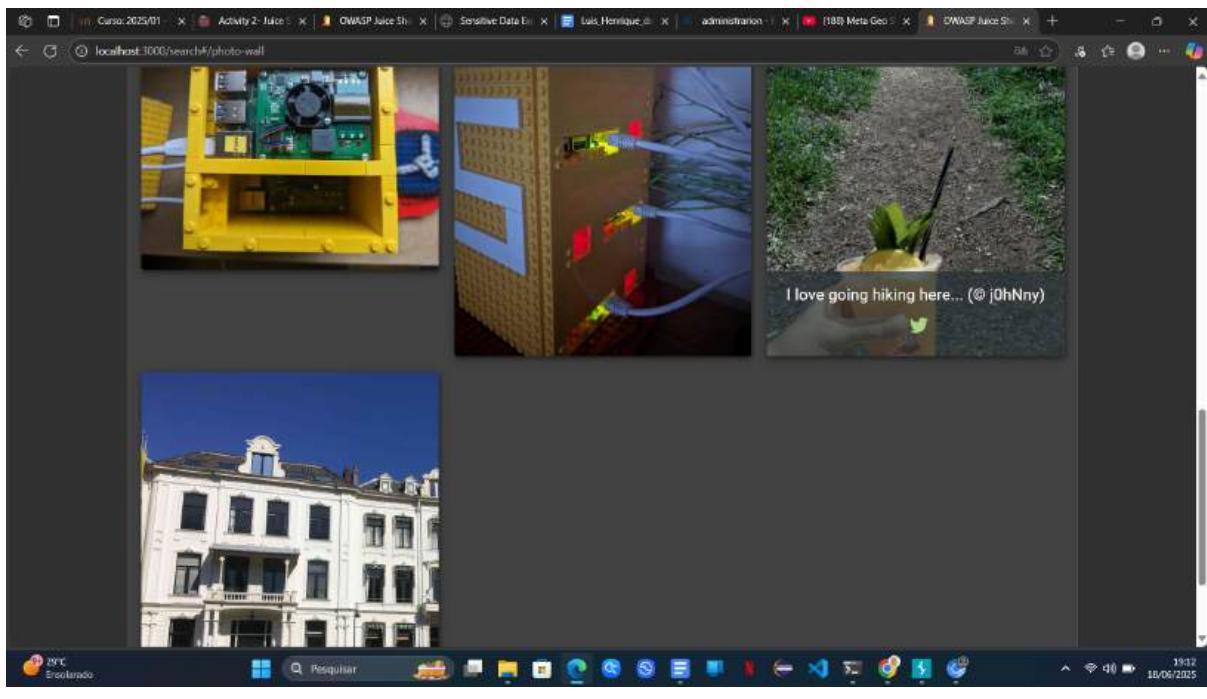
The screenshot shows the OWASP Juice Shop administration interface. At the top, there's a green banner with the text "You successfully solved a challenge: Five-Star Feedback (Get rid of all 5-star customer feedback.)". Below it is the same "Administration" interface as the first screenshot, showing the "Registered Users" table and the "Customer Feedback" section. The "Customer Feedback" section now only contains reviews 2, 3, 21, and 23, indicating that the 5-star reviews have been removed.

Login MC SafeSearch

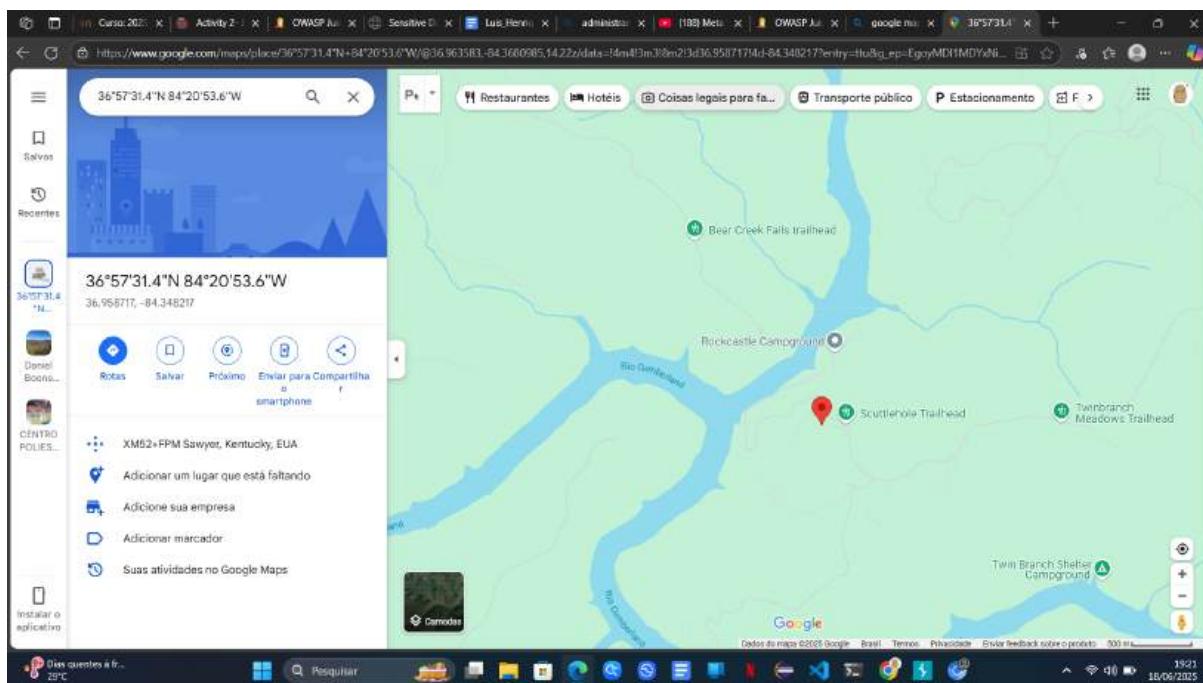




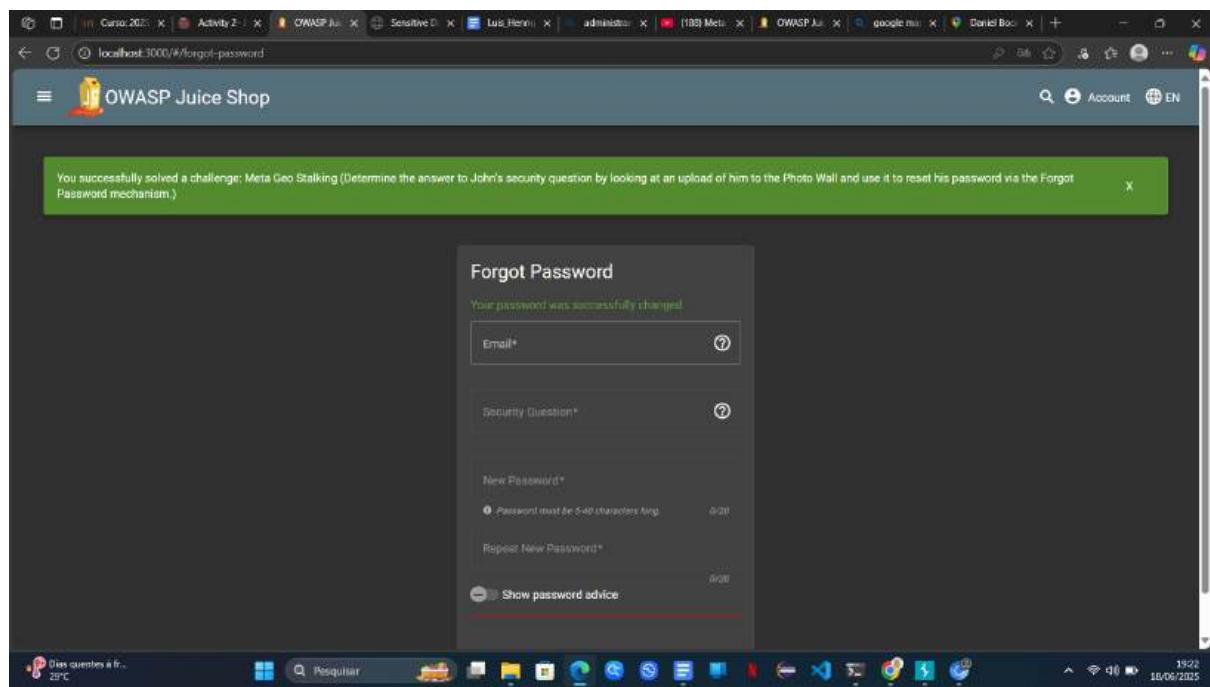
Meta GEO Stalking



```
Liuhe@BOOK-GFM15100Q: ~ $ exiftool favorite-hiking-place.png
ExifTool Version Number : 12.40
File Name   : favorite-hiking-place.png
Directory  :
File Size   : 651 Kib
File Modification Date/Time : 2025:06:18 19:05:14-03:00
File Access Date/Time  : 2025:06:18 19:09:12-03:00
File Inode Change Date/Time : 2025:06:18 19:05:21-03:00
File Permissions : -rwxrwxrwx
File Type    : PNG
File Type Extension: png
MIME Type   : image/png
Image Width : 471
Image Height: 627
Bit Depth   : 8
Color Type  : RGB
Compression : Deflate/Inflate
Filter      : Adaptive
Interlace   : Noninterlaced
Exif Byte Order : Little-endian (Intel, II)
Resolution Unit: inches
Y Cb Cr Positioning: Centered
GPS Version ID : 2.2.0.0
GPS Latitude Ref: North
GPS Longitude Ref: West
GPS Map Datum  : WGS-84
Thumbnail Offset: 224
Thumbnail Length: 4531
SRGB Rendering: Perceptual
Gamma        : 2.2
Pixels Per Unit X: 3779
Pixels Per Unit Y: 3779
Pixel Units  : meters
Image Size   : 471x627
Megapixels   : 0.295
Thumbnail Image: (Binary data 4531 bytes, use -b option to extract)
```



A screenshot of a web browser window showing two green success notifications. The top notification says: "You successfully solved a challenge: Five-Star Feedback (Get rid of all 5-star customer feedback.)". The bottom notification says: "You successfully solved a challenge: Login MC SafeSearch (Log in with MC SafeSearch's original user credentials without applying SQL Injection or any other bypass.)". Below these notifications is a "Forgot Password" form. The form fields include "Email" (john@juice-shop.), "Security Question" (redacted), "New Password" (redacted), and "Repeat New Password" (redacted). There is also a note: "Password must be 7-80 characters long" and a character count of "4/20". At the bottom of the form is a "Change" button. The browser taskbar at the bottom shows various open tabs and the date/time: 18/06/2025.



## NFT Takeover

Show entropy details  
 Hide all private info  
 Auto compute

**Mnemonic Language** English 日本語 Español 中文(简体) 中文(繁體) Français Italiano 한국어 Čeština Português

**BIP39 Mnemonic** purpose betray marriage blame crunch monitor spin slide donate sport lift clutch

Show split mnemonic cards

**BIP39 Passphrase (optional)**

**BIP39 Seed** 552b89901540a9d8751f1c7e31f7fe6b584bb62af957fbfb65bcbbde48cb0ccb8654b14379a2a1e294f79b134c0008beeee77fb353f98e15edf3adad2a?

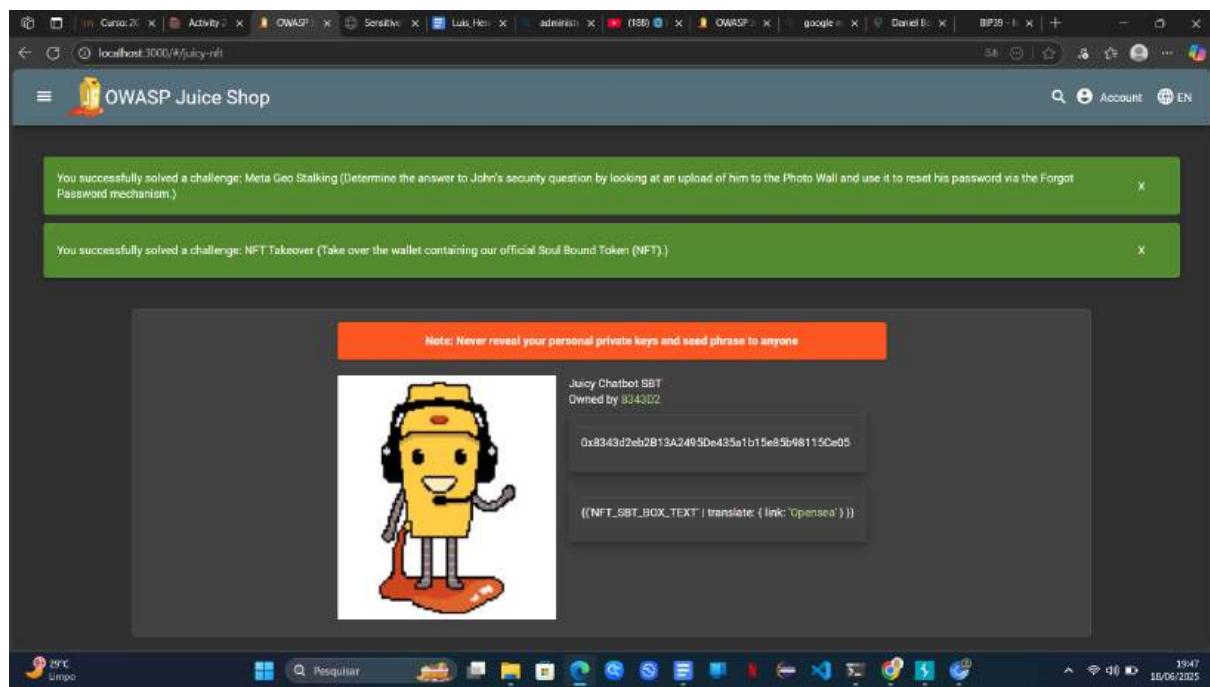
**Coin** ETH - Ethereum

**BIP32 Root Key** xprvs21ZnQH143K4Dfzq5Yg8kvG8EV8LgZPf7BcXzJzT4Bgj6vY5xqD21Q8jryZQXaeWgp7wRts44vbeWU1FwRzbXFazk1hc7qFhSoyD6ub

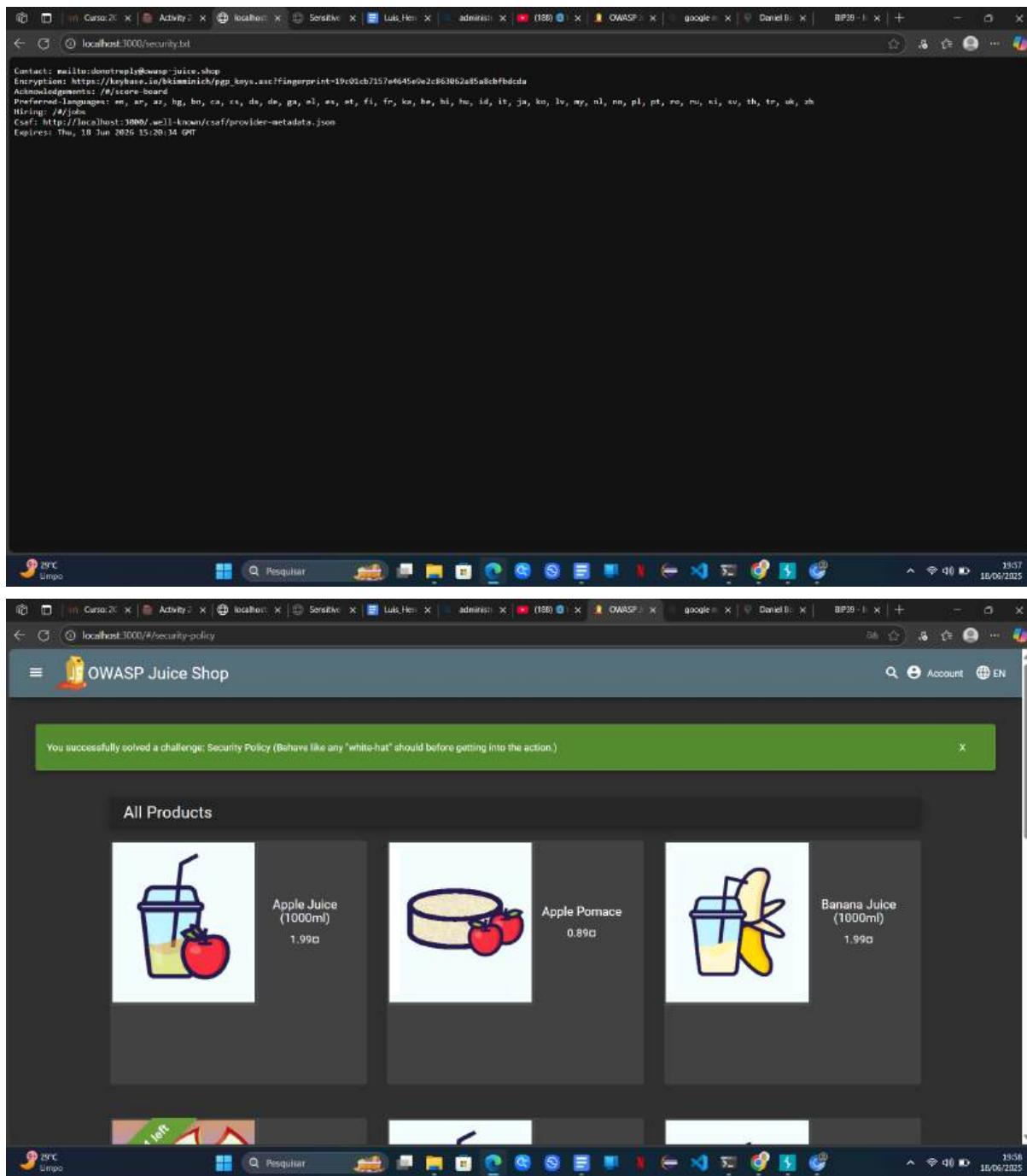
Show BIP85

## Derivation Path

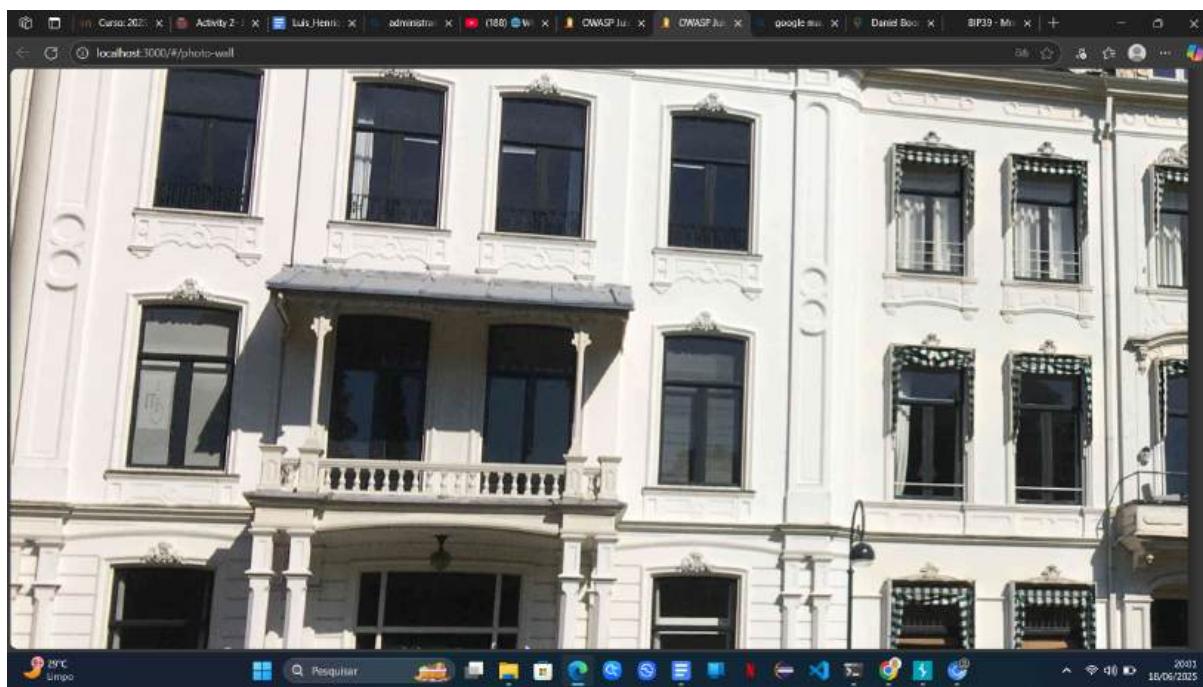
Index	Address	Public Key	Private Key
1/68 / 0 / 8	0x843d12e2b15a2a495d435a1b15e80f881150e05	0x027a295389cf1fd59980ac059693e9b0881f3f17817588e17fc983985f50e	0xcb1c3e3d3810aa06e7f1a110a03957b0be8ef09e4e401117f664a6c2e5b194e-2
1/69 / 0 / 1	0x4a2d55CF960805961974e6547C6dd4F5E21b420E	0x02c3d1898ad99f58c206161ae0b7a704e3771525a6e1e50f1f462378527f76cbf	0x7a6f1f461d37b29591ac1381a4a6abaf6e6bfaf2cd5917c24a5e797173db22335
1/68 / 0 / 2	0x8830c7dc588c4fbf3BFC5cFa308E47521bb84	0x8377b0e72f93e17d62415fc9e29dc6dc112e679d63e3f8d6a5f4be36d68d	0xd8274792ab0b72112bf854bf341d2b6d8797a5d20c26b7cc86545a80fc8931309
1/67 / 0 / 3	0x4a837a6906025a3a8C7C128E3c06788921136	0x02b42526be7a7eb0d4f53172d4cf9151d928801f1173d800213262aa93d3b0e	0xeb1b3bf110167a2d10c9ea0f05e5ec2ce94404f4f9edcb4ff3d8f96e6c29e9c
1/68 / 0 / 4	0x588B298231aee232d98808f761bfne280763a880	0x028cf395616c0403d72s7023cd19eccc1351a37e42d27ce0f513a8f34578453b3	0xabe19c9bc162383a3b1c5576a95c7da26c3827e144d39a6b179fcecc0122c96
1/69 / 0 / 5	0x696887c12590b434C75-3f2F95f5196607f0Ed	0x02bba32e327d3c1F5f67fa20d980806f025df99119e9a0f08676220912d4080g	0x43a99c62774b0f664a0f73f4e4992b173e20954d761c51b6c79345c290108
1/68 / 0 / 6	0x4d8a254048a202508a1aaE568877f4c2e5b359	0x830b63fa71888877af4f0e3880a946ec2fa3fb1848066b871c050d3b64bf76	0x879a0d5fada1c2b26760d001d9113a58ae080485c0me3f2af1d340675af78c
1/69 / 0 / 7	0x87433c4292E5FBACB4809c528288966f8f17	0x83ef6615a1333c4bf9834435f5d69a1d1873c74802e4e99712c13c45819480a0f	0x33184039519425c0e659b2bbbae01b0fab23e959adff1e3ce4ff99c3ebc83d
1/68 / 0 / 8	0x7a04789d1cA11b1c19C853b28na0d48C7ac929	0x02e80cf0972d0d5a69a278bb056b1888dc05a8ad806c1815bdd61f0d95efc08	0x7a8ac3e139f80b721f66d1dcfc0ab0278773cd6298b0c0d0cd02cd06957f9c
1/69 / 0 / 9	0x642E05354a8b01A1F023d1586d4fc8F4afE1	0x03bf0c0e855cafc8793c203fFc1d0c5d0fcfe239240926f0d894aefc8e9ab3c	0xc08e841d5d4db0eefad69a9c9daebf2b14c74ab6ba23543b080de0dedb9b4e3
1/68 / 0 / 10	0xf73891A282d77a8b080daabf7A53616f7dc7198	0x02b2fec980d0c7bd784fa4f17281d2219005f57be376c2c907a59b5dcbdh6ed7b	0xb1bc32714846656ac1914668cfad7c0d40ccf5ew753f980380dc2bcaacaf67ef9
1/69 / 0 / 11	0xf53FD2204C0883090A1d3080d6E447d0C3B8	0x0295800501702bacd340ee27d28e208832848e2807bb0d3c998f0dec01d3b3f138	0x08667d5b6db1bcb4785c101922f17e3a3f8b04af6e11217e31b72fba4fa8c28
1/68 / 0 / 12	0xb06b27f85b330e4b05970dE8e1aE5156f6595A	0x020620d4800328cad17b9d2c3957ce229f78420b9e0f90241fdd0e66c3e8a52e2	0x0d5511813431d299d55515effb3e68a50bf3073d49ab8aff67bf00b6432e5



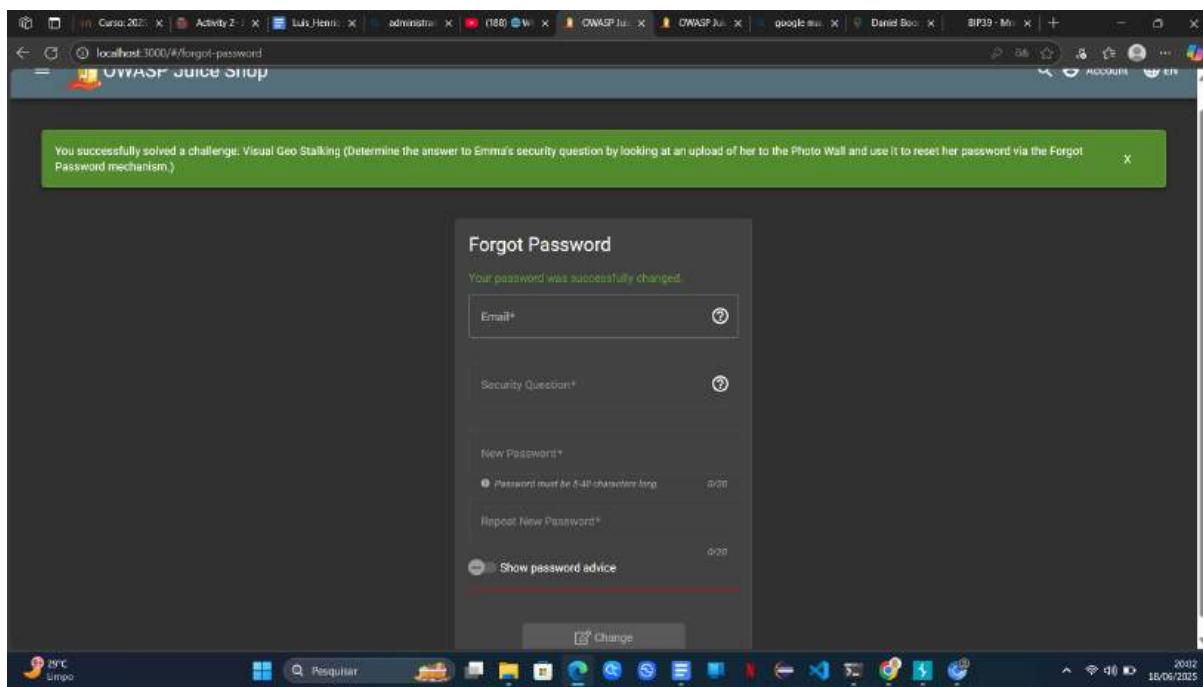
## Security Politic



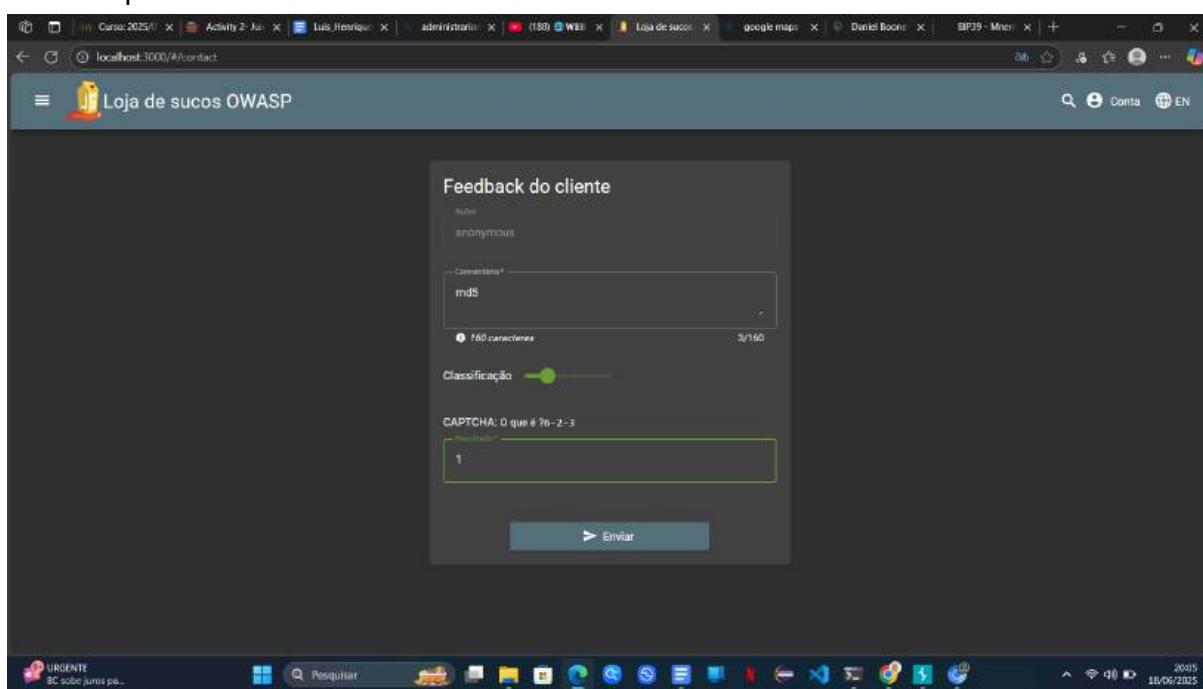
## Visual Geo Stalking

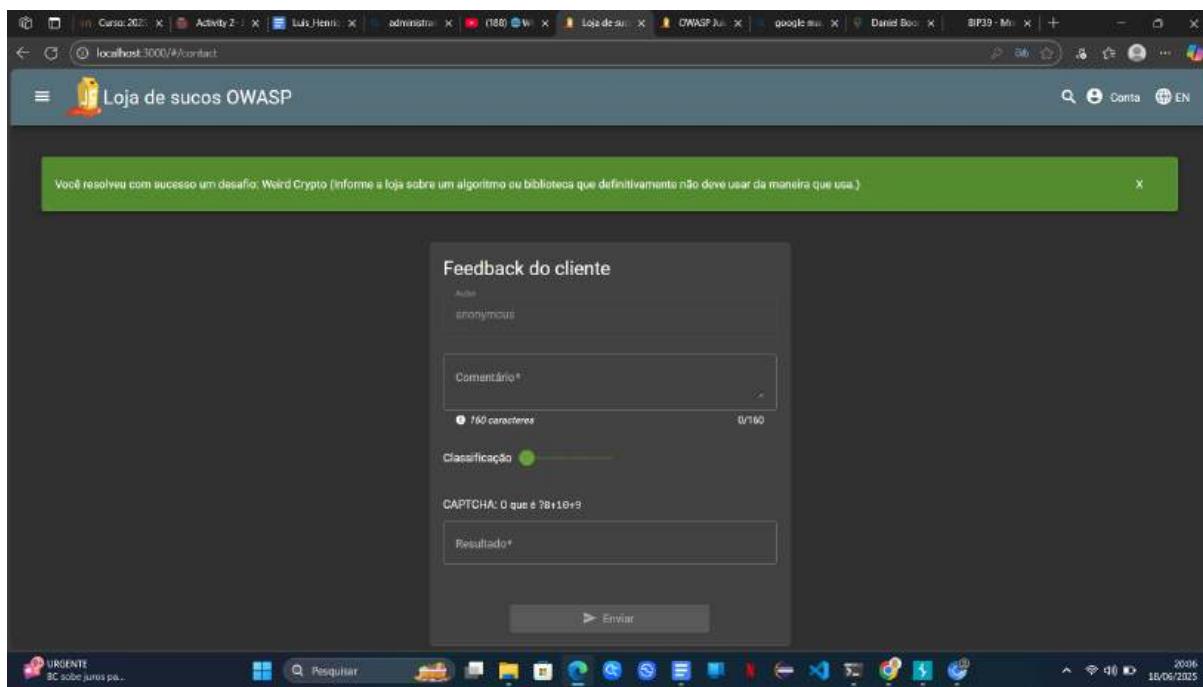


A screenshot of a Windows desktop environment showing a web browser window. The browser is displaying the 'Forgot Password' page of the OWASP Juice Shop application. The page has a dark theme with a green header bar that says 'You successfully solved a challenge: Security Policy (Behave like any "white-hat" should before getting into the action.)'. The main form is titled 'Forgot Password' and contains fields for 'Email\*', 'Security Question\*', 'New Password\*', and 'Repeat New Password\*'. There is also a 'Show password advice' link. The browser's address bar shows 'localhost:3000/#/forgot-of-password'.



## Weird Cripto





## Final

XSS ● Reflected XSS	Sensitive Data Exposure ● Exposed credentials	Injection ● Login Admin	Broken Access Control ● Admin Section
Broken Authentication ● Password Strength	Broken Access Control ● View Basket	Security Misconfiguration ● Deprecated Interface	Improper Input Validation ● Empty User Registration
Broken Access Control ● Five-Star Feedback	Sensitive Data Exposure ● Login MC SafeSearch	Sensitive Data Exposure ● Meta Geo Stalking	Sensitive Data Exposure ● NFT Takeover
Miscellaneous ● Security Policy	Sensitive Data Exposure ● Visual Geo Stalking	Cryptographic Issues ● Weird Crypto	