



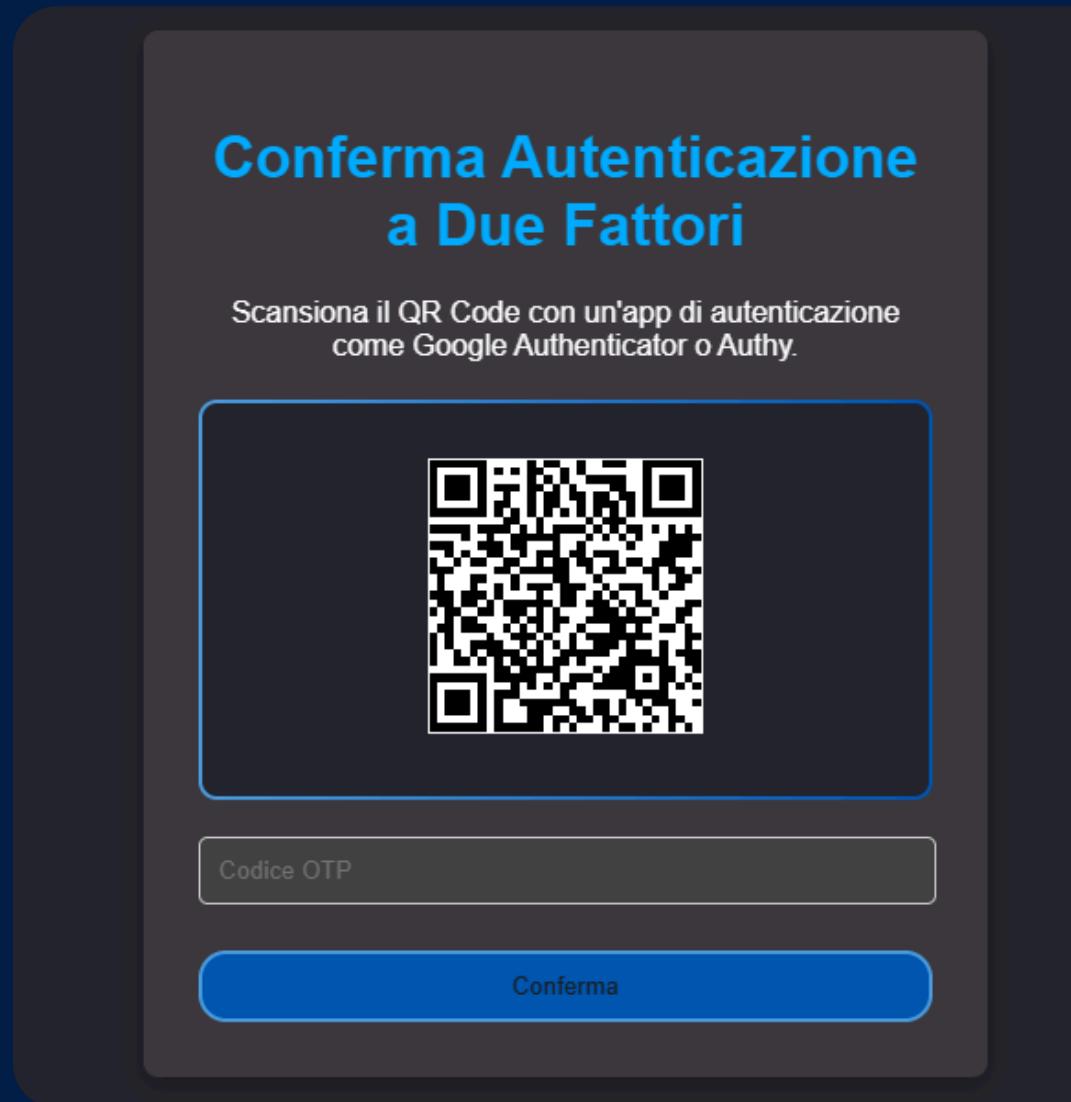
PASSBOX

PassBox is a web application designed to store, organize and protect your passwords securely using advanced encryption. Offers peace of mind by ensuring that sensitive information is always safe and accessible only to you.

PROJECT IMPLEMENTED BY:
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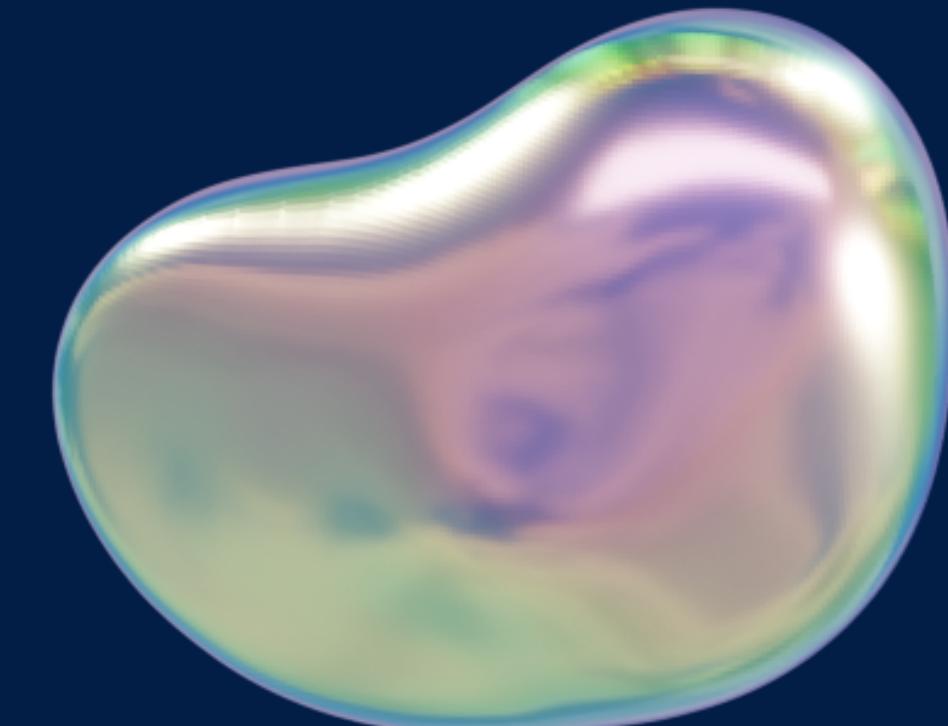


ON



TWO-FACTOR AUTHENTICATION

Improves access security by combining classic credentials with dynamic OTP codes.





Q2

MASTER PASSWORD ENCRYPTED

Master password is stored in database using advanced cryptographic algorithms.

```
_id: ObjectId('678bd0f24684404dbd4b8bb1')
username : "Maurizio"
email : "maurizio@gmail.com"
password : "scrypt:32768:8:1$mi9HhJu04Slofk6Z$143e34437268f8c01d5c0d557847a6c2ccf2.."
2fa_seed : "gAAAAABni9DyDQDLTPlsu4Z29j8VWUF9wW1Orx9AC0xgGs-m1MKbekwzIajSmal6nVziD9.."
salt : "C8ghNFY-VSonQvd4VUCF-3gFVo5cjvZ-0RmU4QwWvWY="
```

O3

MANAGEMENT OF SAFES

SAFES ENCRYPTED

The screenshot shows the PassBox application interface. At the top, it says "PassBox". Below that is a section titled "Piattaforme Streaming" with a search bar. Underneath is a list titled "Lista Credenziali (3)":

- Amazon Prime
- Netflix
- RaiPlay

Each item has a set of icons for edit, copy, delete, and a plus sign. At the bottom is a blue button labeled "Torna alle Cassaforti".

Each user can create multiple personal safes to store credentials. All passwords saved in the database are encrypted.

A modal dialog box is displayed with the following fields:

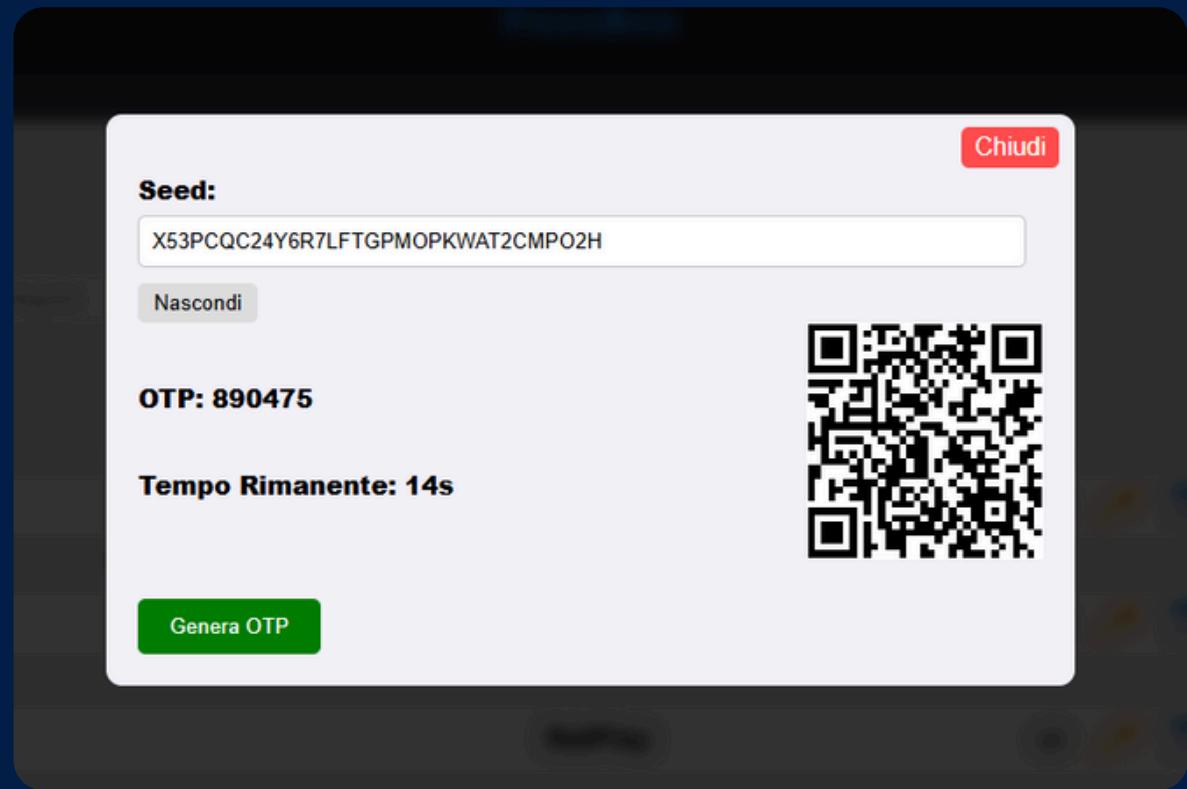
- Titolo:** Amazon Prime
- Username:** (empty)
- Email:** mario.rossi@gmail.com
- Password:** (empty)
- Url:** amazon.it
- Categoria:** svago

Buttons at the bottom include "Chiudi", "Copia", "Mostra", "Genera Password Sicura", "Blocca", and "Salva".

04

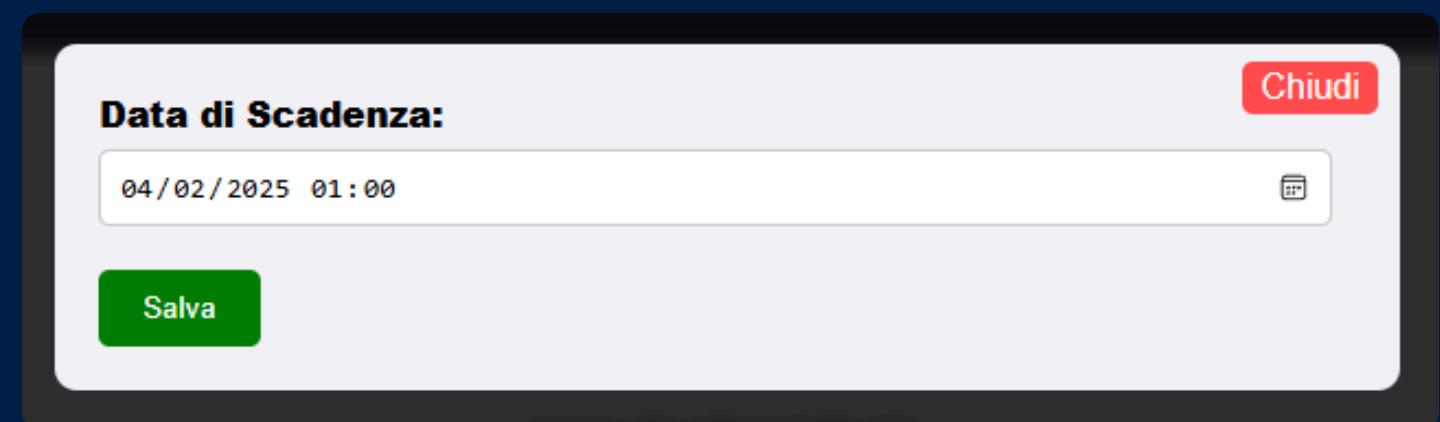
MANAGEMENT OF SAFES

SUPPORT 2FA



All in one platform. Support for 2FA: possibility for each account to store the seed of the 2fa and generate otp directly in the app.

PASSWORD EXPIRATION DATE



Password Expiration Date:
set an expiration date for
each account and receive
visual alerts when the
password expires.

SECURE BACKUPS

OS

EXPORT

The screenshot shows a modal dialog box with a white background and a black border. At the top left is the title "Esportazione Cassaforte". In the top right corner is a red "Chiudi" button. Below the title is a text input field with the placeholder "Inserisci la password". At the bottom left is a grey "Esporta" button.

Export: possibility to export a safe in an encrypted JSON file, compatible with third party tools. Thanks to cryptographic standards.

IMPORTATION

The screenshot shows a modal dialog box with a white background and a black border. At the top left is the title "Nome della cassaforte". In the top right corner is a red "Chiudi" button. Below the title is a text input field with the placeholder "Inserisci il nome". A dropdown menu labeled "Scegli azione:" contains the option "Importa cassaforte". Below the dropdown is another text input field with the placeholder "Inserisci la password". A section titled "Selezione file da importare (formato .json)" contains a "Scegli il file" button and the message "Nessun file scelto". At the bottom is a grey "Procedi" button.

Importation: Files and their data can be re-imported into the app if necessary.

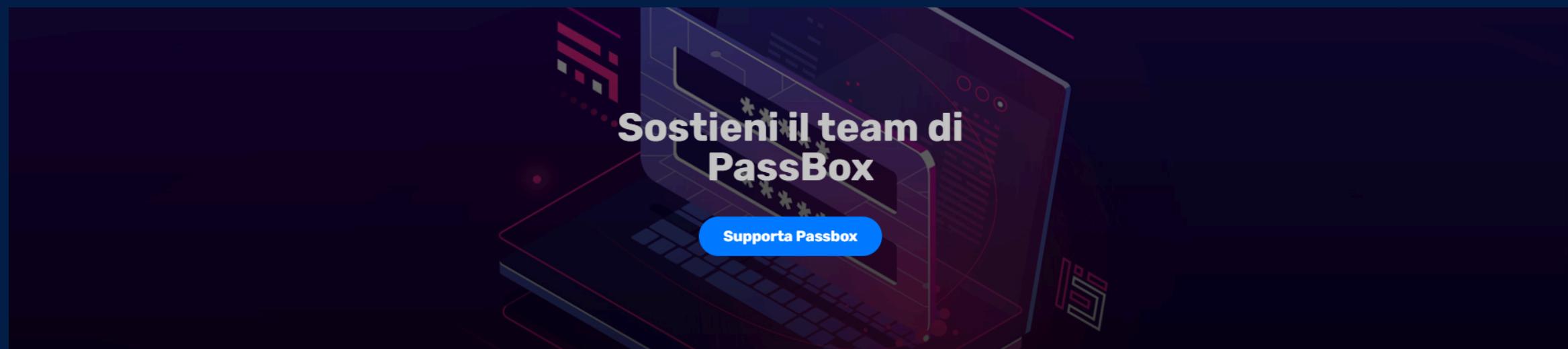
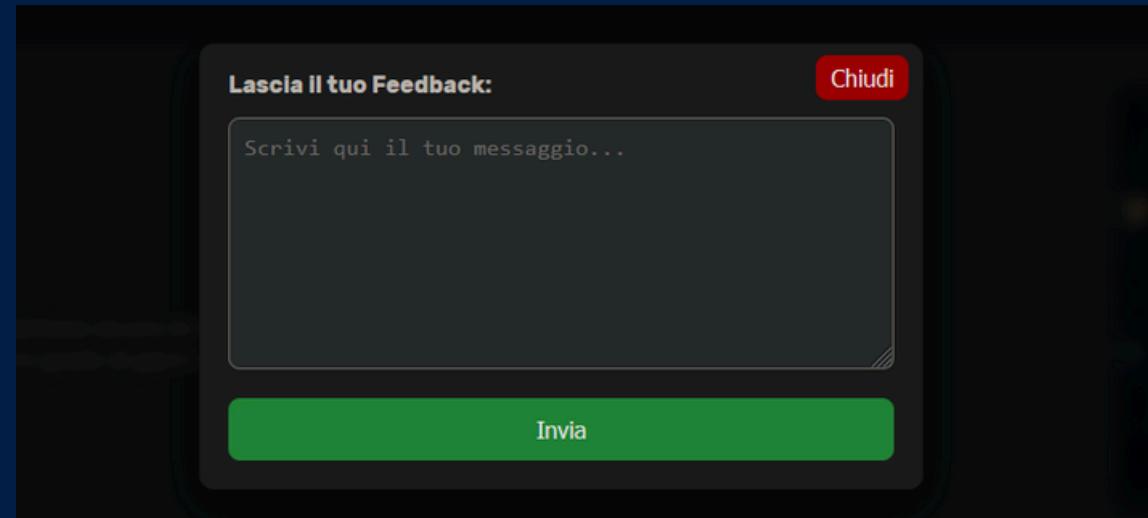
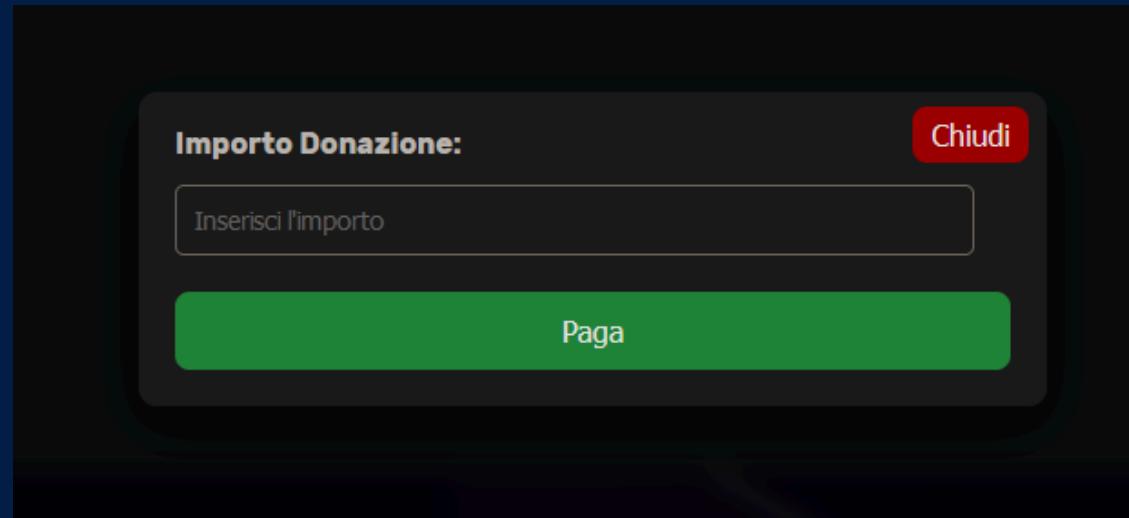


OS

SUPPORT AND FEEDBACK

PayPal Donations: dedicated module to support the project with free donations. Implemented via PayPal Sandbox to simulate secure transactions.

Feedback form: Periodic feedback can be sent. Each feedback is saved in the database for future analysis.



THANK YOU



FRONTEND



BACKEND

Not Only SQL