

# Building an Eco-Friendly Auction Platform

This project aims to develop an auction platform for an eco-friendly footwear company. Using Django, Redis, and Web3PY, we will create a seamless experience for selling limited edition shoes backed by blockchain technology.

**by Emanuele Bashuri** 



# Why a Blockchain-Backed Web App Charity Auction is Useful

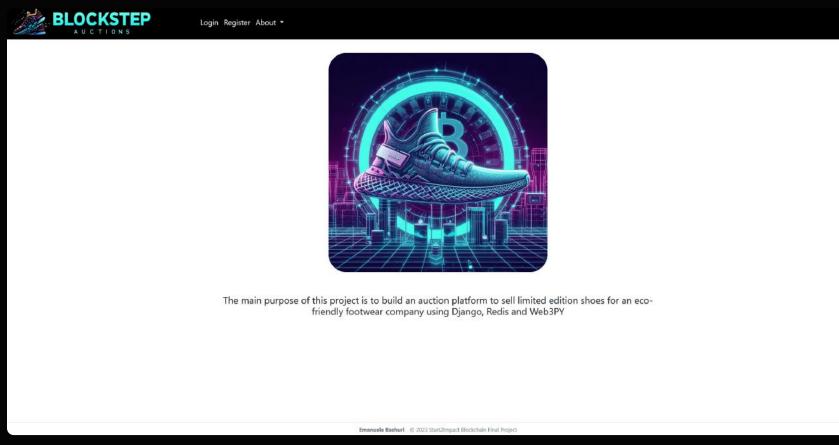
By leveraging blockchain technology, our charity auction ensures transparency, immutability, and trust in the bidding process. Donors can have confidence that their contributions directly support the cause, while bidders can verify the authenticity and history of items.



# Implemented Features:

Website Homepage

We will provide an engaging homepage that explains the concept behind BlockStep Auction and showcases our limited edition shoes.



# Users will have the convenience of registering and logging into their accounts to participate in auctions.

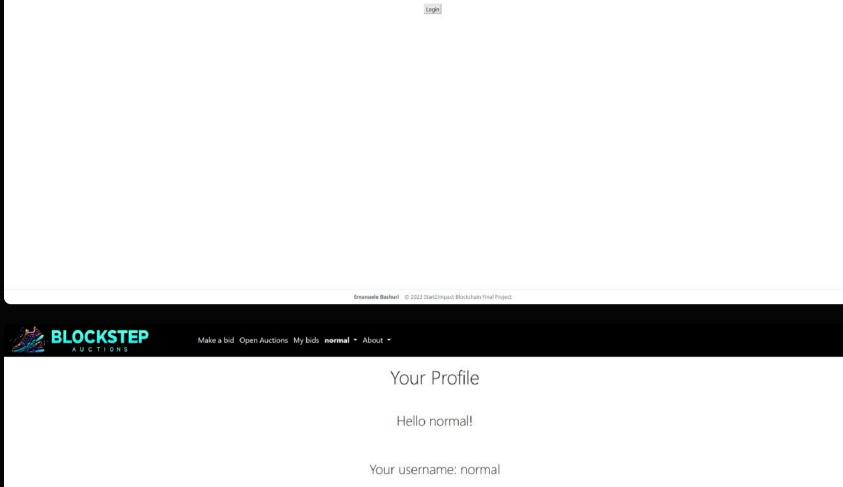
Registration & Login

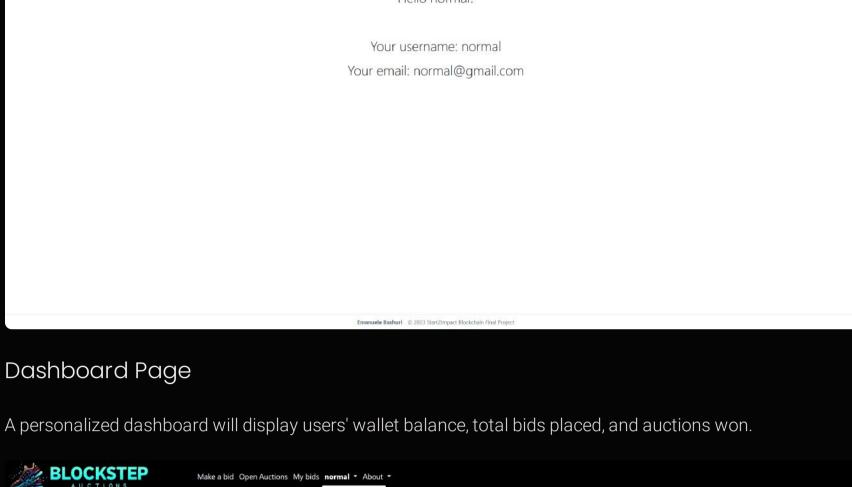
**BLOCKSTEP** Login Register About \*

Register

```
Required. 150 characters or fewer. Letters, digits and @/./+/-/_ only

    Your password can't be too similar to your other personal information.
    Your password must contain at least 8 characters.
    Your password can't be a commonly used password.
    Your password can't be entirely numeric.
                                                                                                                                                                                                     Enter the same password as before, for verification.
BLOCKSTEP
                                                                                 Login Register About *
                                                                                                                                                                                                    Login
```





Your Profile

Hello normal!

Your username: normal Your email: normal@gmail.com

Dashboard

Logout

Closed Auctions

```
BLOCKSTEP
                              Make a bid Open Auctions My bids normal ▼ About ▼
                                                               Dashboard
                                                            Your balance: 5000 €
                                                         Your pending balance: 200 €
                                                              Your total bids: 1
                                                          Your total auctions won: 0
```

### Emanuele Bashuri @ 2023 Start2Impact Blockchain Final Project Open Auctions Page Anyone can view a list of ongoing auctions, enabling wider access and participation. **BLOCKSTEP** Make a bid Open Auctions My bids normal - About -Open auctions list: DJ Khaled x Air Jordan 3 'Grateful' ID code: 1 Starting price: 25000€ Current price: 25000€ Current highest bidder: None Total bids made: 0

Eminem X Carhartt Air Jordan 4 Bidding Page

Ends on: Dec. 13, 2023, 1:03 a.m.

Current highest bidder: None

Created on: Nov. 13, 2023, 1:04 a.m.

Ends on: Dec. 8, 2023, 1:04 a.m. Time left to end: 24 days, 6 hours and 44 minutes

ID code: 2 Starting price: 25000€

Macklemore x Air Jordan 6

```
Customers will have the ability to make bids on open auctions, showcasing the excitement of the auction
process.
   BLOCKSTEP
                                      Make a bid Open Auctions My bids normal ▼ About ▼
                                                                             Make a bid
                                                                             Select auction:
                                      Auction: Adidas Superstar Metal Toe Black Gold Metallic (W) — started at 2884 — currently at 2884 — current highest bidder: None— ending on Nov. 16, 2023, 11:51 a.m. (id: 27)
                                                                                    Save
```

## Users can easily track and review their bids, ensuring transparency and accountability. **BLOCKSTEP**

Bid History Page

Your bids: 1° bid made on 13/11/2023, 18:21:21 Auction bid number: 1

> Price before bid: 288€ Raising: 2€ Price after bid; 290€

Make a bid Open Auctions My bids normal - About -

```
2° bid made on 13/11/2023, 15:57:57
                                              Auction ID code: 28
                                              Auction bid number: 1
                                              Raising: 3€
                                              Price after bid: 200€
Closed Auctions Page
A page highlighting closed auctions with on-chain proof will provide a comprehensive view of past auctions.
                             Closed auctions list:
             Solid Gold OVO x Air Jordans
             ID code: 2
```

Json report sha256 hash: 879fc318df42d9364e0ff2bbaa3e05647691f917a3dd7de49253d5e18e6f254a

Sepolia proof tx hash: <a href="https://ox58d5c6e7d7bb807673d92fd25dec3d04c53878ddf5eb1efb6afe7d2aae8bdbca">ox58d5c6e7d7bb807673d92fd25dec3d04c53878ddf5eb1efb6afe7d2aae8bdbca</a>

0x58d5c6e7d7bb807673d92fd25dec3d04c53878ddf5eb1efb6afe7d2aae8bdbca

Users will have a dedicated space to view their successful auction wins, supported by on-chain proof.

Home Blockchain v Tokens v NFTs v Misc v

#### **Etherscan** Transaction Details <

[ This is a Sepolia **Testnet** transaction only ]

Transaction Hash:

 Status: @ Block:

Method:

@ From:

? Value:

② To:

Starting price: 1500€

Closing price: 1600€

Winner: normal

Total bids made: 1

Created on: Nov. 13, 2023, 9:48 p.m.

Ended on: Nov. 14, 2023, 9:48 p.m.

₹ 4698379 1 Block Confirmation © 22 secs ago (Nov-15-2023 10:53:48 AM +UTC) ? Timestamp: 0x73Efc26C0910Ea25005e2EEf09ADe963de75aef9 ♦ 0 ETH (\$0.00) Transaction Fee: 0.0011012 ETH (\$0.00) @ Gas Price: 50 Gwei (0.00000005 ETH) More Details: + Click to show more 🌣 A transaction is a cryptographically signed instruction that changes the blockchain state. Block explorers track the details of all transactions in the network. Learn more about transactions in our Knowledge Base

# Auctions won: Solid Gold OVO x Air Jordans

Auctions Won Page

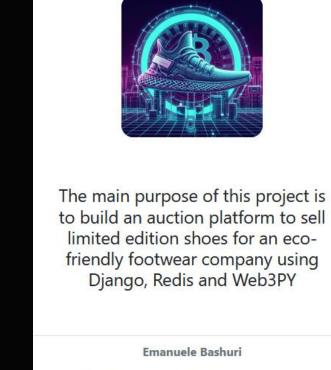
ID code: 2

Total bids made: 1

Starting price: 1500€ Closing price: 1600€

```
Created on: Nov. 13, 2023, 9:48 p.m.
          Ended on: Nov. 14, 2023, 9:48 p.m.
         Json report sha256 hash: 879fc318df42d9364e0ff2bbaa3e05647691f917a3dd7de49253d5e18e6f254a
         Sepolia proof tx hash: <a href="https://ox58d5c6e7d7bb807673d92fd25dec3d04c53878ddf5eb1efb6afe7d2aae8bdbca">ox58d5c6e7d7bb807673d92fd25dec3d04c53878ddf5eb1efb6afe7d2aae8bdbca</a>
Responsive Design
```

Our website will adapt seamlessly to different devices, providing an optimal user experience at all times.



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Made with Gamma

# Benefits of Eco-Friendly Footwear Company

1 Sustainable Fashion

Emphasizing the importance of sustainable fashion, our company contributes to reducing the environmental impact of the industry.

Positive
Environmental
Impact

By producing eco-friendly shoes, we strive to create a positive change for the environment and future generations.

3 Ethically Sourced Materials

We are committed to using ethically sourced materials, ensuring fairness and responsibility throughout our supply chain.



## Future Development

#### Potential Expansion

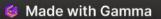
We envision expanding our platform to include other sustainable products beyond footwear, offering a wider range of eco-friendly options.

#### Blockchain Integration

Looking ahead, we plan to integrate other blockchain technologies to enhance security and transparency within our auctions.

# Collaboration with Eco-Friendly Brands

We seek collaboration with other eco-friendly brands to promote sustainable practices and further expand our impact.



#### Conclusion

1 Summary of BlockStep Auctions

BlockStep Auctions is revolutionizing the auction experience, offering a sustainable platform for limited edition eco-friendly shoes. 2 Call to Action

We invite you to support our mission by participating in our upcoming auctions and spreading the word about eco-friendly fashion.

3 Thanking and Connecting

We appreciate your support! For more information, visit our

**GitHub**:

https://github.com/Kaguta

ku/Start2Impact-

<u>BlockchainFinalProject-</u>

**BlockStepAuction** and

<u>LinkedIn</u>:

https://www.linkedin.com/

in/emanuelebashuri/