



Project Contributors:

Nikolaos Pnevmatikos

1115201900157

Maria Diamanti

1115201900052

Table of Contexts

[Introduction](#)

[Features](#)

[How to Run](#)

[Running project with ssl certificate](#)

[Create a SuperUser](#)

[Site Preview](#)

[Homescreen](#)

[Product Screen](#)

[Search Bar](#)

[Users](#)

[Registration](#)

[Login](#)

[Admin](#)

[Admin Page](#)

[XML/JSON Format](#)

[Auction System](#)

[User's Profile](#)

[User's Product](#)

[Create Product](#)

[Edit Product](#)

[Delete Product](#)

[List Of Placed Bids](#)

[User's Bids](#)

[Messages](#)

[Sent Messages](#)

[Received Messages](#)

[Rating System](#)

[Matrix Factorization\(Bonus\)](#)

[Mobile Phone Compatibility](#)

<introduction>

Welcome to our website, **eDay**!

We implemented this project with all the requested specifications, using **Django** and **React**.

A live demo of the website can be viewed at
<https://eday-live.herokuapp.com>

For the connection of the back-end with the front-end, we implemented an API with django-restframework and through the use of **Redux**, we create reducers and actions.
API-calls are made through the actions using axios.

For the styling of our website we imported some custom css from <https://bootswatch.com> and for the icons we imported them from
<https://react-icons.github.io/react-icons>.

<features>

- Carousel of recommended products for each user using matrix factorization algorithm
- Presentation of all products uploaded through pagination
- Search bar for a specific product, brand or category
- Admin's page, displaying all users, users' info and the option to verify newly registered users
- User's Sign In and Sign Up pages
- User's Profile and ability to change it
- Creation of products for bidding

- Product Auction system with specific starting and ending dates
- History of every bid made for every product
- Records of every user's bids to other people published products
- Sent and Received messages
- Usage of Leaflet Map for products' location as well as users' location
- Star rating system for displaying seller's and buyer's rating

</features>
</introduction>

How to Run

Back-end:

First install all the required python packages by executing the following commands.

```
cd backend  
pip install -r requirements.txt
```

Then run the program by executing the command:

```
python manage.py runserver
```

Front-end:

Go inside front-end's folder and install all packages used by running the following:

```
cd frontend  
npm install
```

Now open <http://localhost:3000> and you should be able to see our website.

Matrix Factorization(Bonus):

If you want to run the matrix factorization algorithm open your terminal and cd to the backend folder. Then

Run:

```
python manage.py runscript recommend
```

Running project with ssl certificate

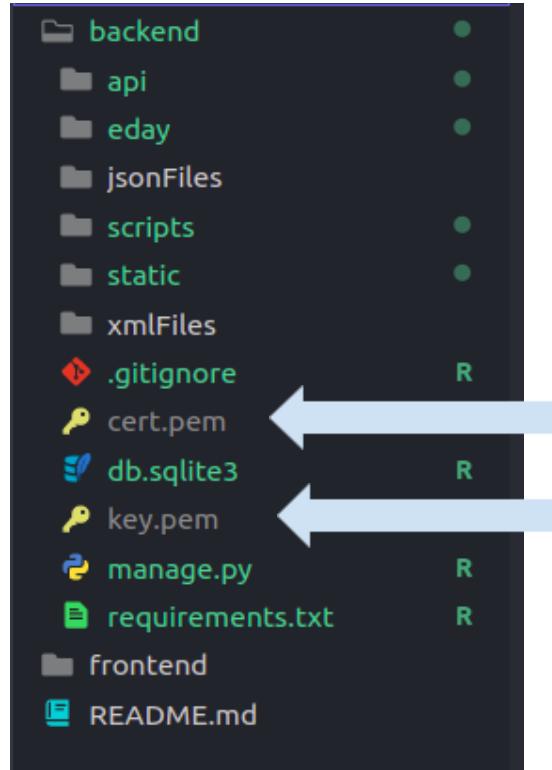
If you want to add the **ssl certificate** to our website
you should run the commands that will follow.

First the `mkcert` should be downloaded. It can be
downloaded by the instructions found in
<https://github.com/FiloSottile/mkcert#windows>.

Once `mkcert` is done downloading, the following
command should be executed in the root of the
back-end directory

```
mkcert -cert-file cert.pem -key-file key.pem localhost 127.0.0.1
```

This command should create two files, **cert.pem** and
key.pem in the back-end directory as shown in the
picture below.



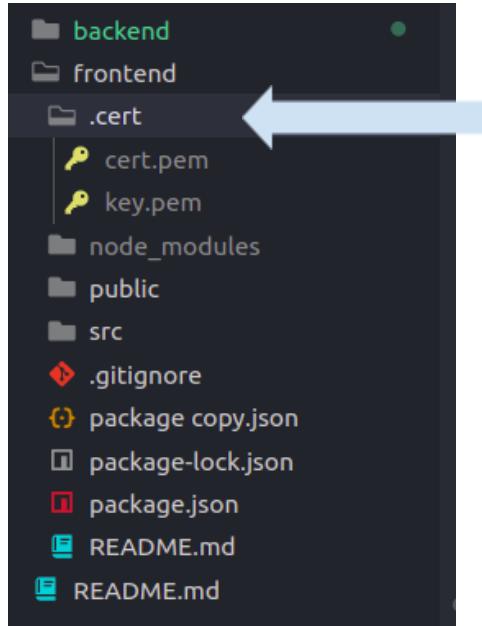
Then the program, instead of being executed by running `python manage.py runserver`, it should be executed by running the following line:

```
python manage.py runserver_plus --cert-file cert.pem --key-file key.pem
```

Now the same should happen in the front-end folder. This should work by executing the following:

```
mkcert -key-file ./cert/key.pem -cert-file ./cert/cert.pem "localhost"
```

This command should create a `.cert` folder in the front-end and inside the folder it will have the files `cert.pem` and `key.pem`.



Now the package.json file should be opened and in line 3 an “s” should be added in the “http”. So the line 3 from this:

```
"proxy": "http://127.0.0.1:8000",
```

should look like this :

```
"proxy": "https://127.0.0.1:8000",
```

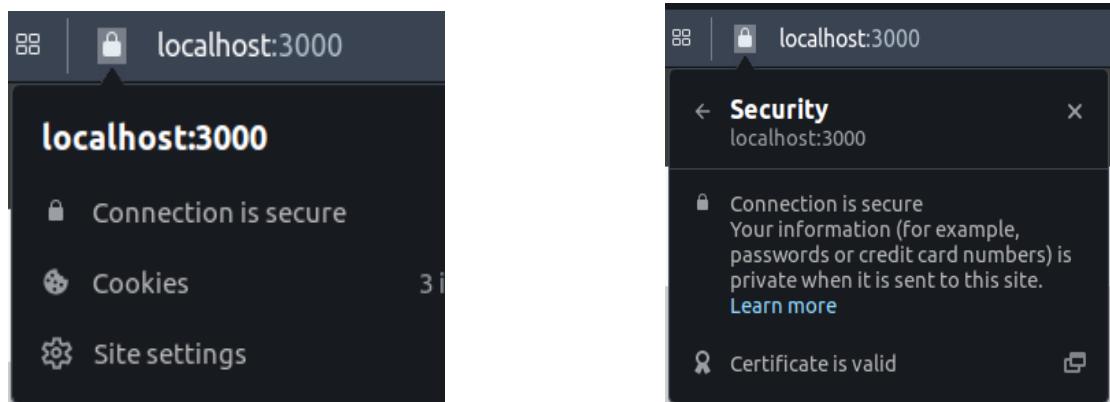
And the line 38, from:

```
"start": "react-scripts start",
```

it should be changed to:

```
"start": "HTTPS=true SSL_CRT_FILE=../../cert/cert.pem  
SSL_KEY_FILE=../../cert/key.pem react-scripts start",
```

And for the final step, you can start the server by running npm start and our website should be in <https://localhost:3000> and should have the ssl certificate like so:



Create a SuperUser

In case, you decide to reset the database or add more admins to the page, you need to follow some extra steps to create the admin

First open the back-end folder using cd and run the following command

```
python manage.py createsuperuser
```

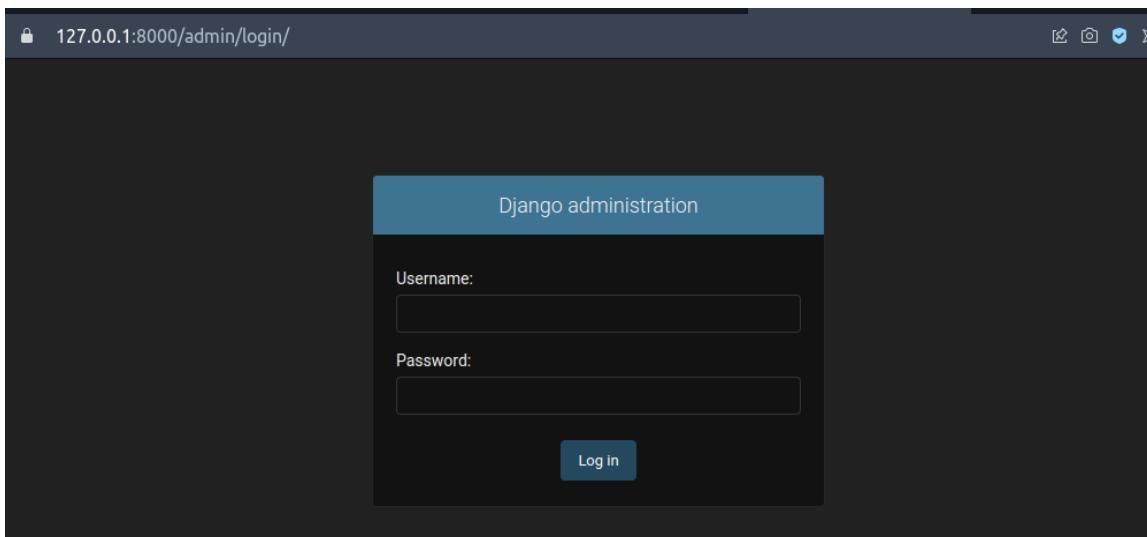
Then you need to fill in the admin's username and the admin's password, in the terminal. In most cases, this is all you need for an admin user, but in our case a user has some extra fields that cannot be left null. So, more info should be added.

To do that, run the back-end server by executing:

```
python manage.py runserver
```

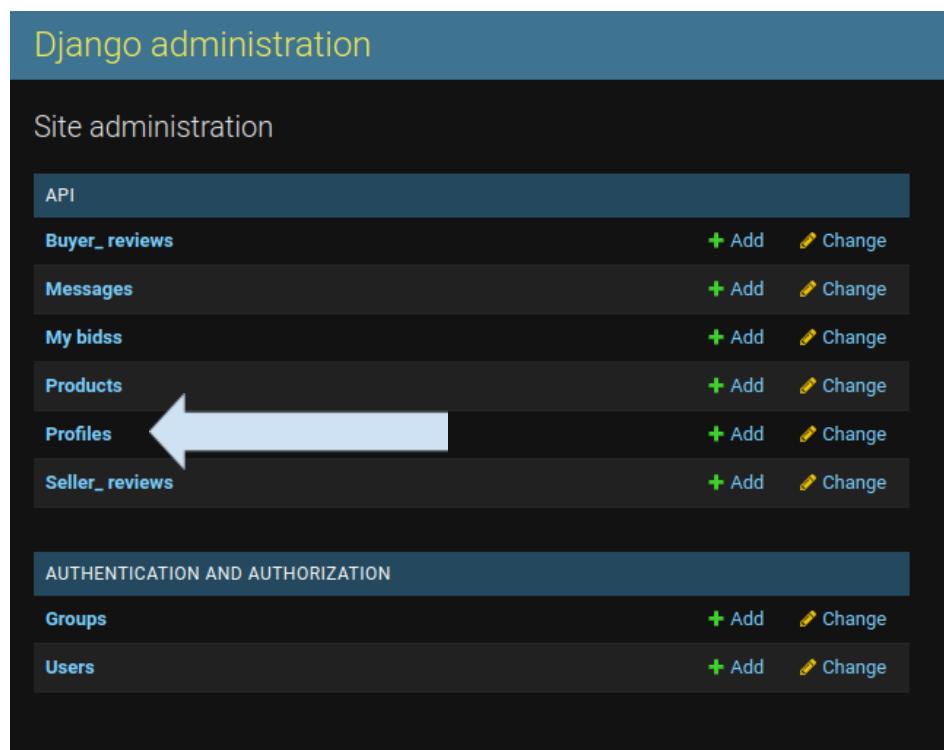
Then open this link <http://127.0.0.1:8000/admin> in your browser to go to the admin's panel.

The following should appear in your screen:



Type your admin's username and password to the corresponsive fields to login.

The admin panel should appear in your screen as such:



To find the fields you need to fill out, in order to complete your admin user profile, go to the profile tab and click on the admin's username you created.

You should be prompted to the page below.

Change profile

admin

HISTORY

User: admin

Phone:

Location:

Country:

Afm:

Verified

Buyer rating:

Buyer rev num: 0

Seller rating:

Seller rev num: 0

Lat:

Lng:

Delete

Save and add another

Save and continue editing

SAVE

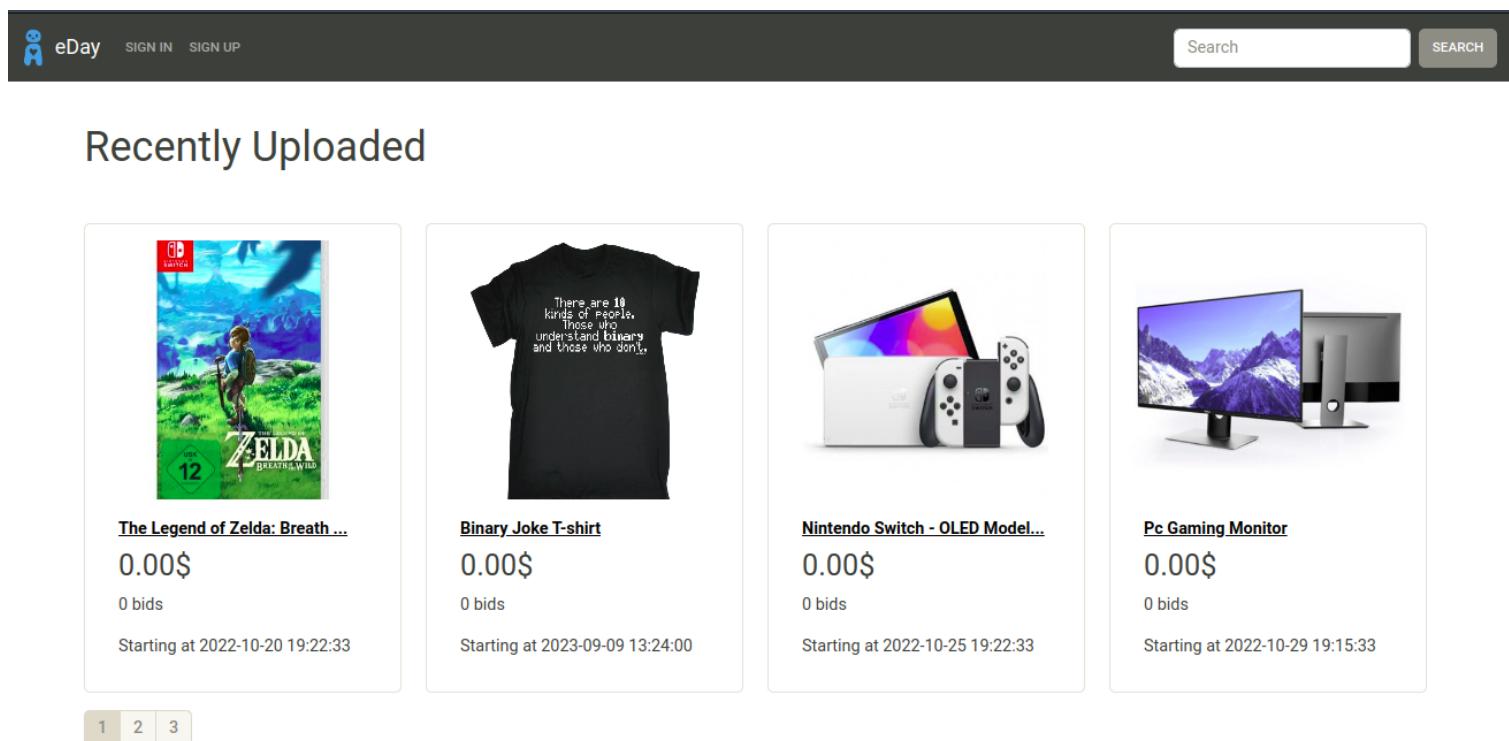
Fill out the Phone, Location, Country, Afm, Verified, Lat, Lng fields and then hit the SAVE button. Make sure to check the Verified field, because otherwise you can't use the website.
Now your admin user is setted up and good to go!

Site Preview

In the following segment, we will present the website's pages and each page's purpose and features.

Homescreen

Upon opening our site for the first time you will be faced with the page below, which is our homescreen!



The screenshot shows the homepage of the eDay website. At the top, there is a dark header bar with the logo 'eDay' (a stylized 'e' with a face), 'SIGN IN', 'SIGN UP', a search input field, and a 'SEARCH' button. Below the header, the main content area has a title 'Recently Uploaded' in bold. It displays four items in a grid:

- The Legend of Zelda: Breath ...** - An image of the Nintendo Switch game cover for 'The Legend of Zelda: Breath of the Wild'. It shows Link standing in a forest. Below the image, it says '0.00\$' and '0 bids'.
- Binary Joke T-shirt** - An image of a black t-shirt with white text that reads: 'There are 10 kinds of people. Those who understand binary, and those who don't.' Below the image, it says '0.00\$' and '0 bids'.
- Nintendo Switch - OLED Model...** - An image of a white Nintendo Switch console with its Joy-Con controllers. Below the image, it says '0.00\$' and '0 bids'.
- Pc Gaming Monitor** - An image of a large computer monitor displaying a snowy mountain landscape. Below the image, it says '0.00\$' and '0 bids'.

At the bottom left of the content area, there is a small navigation bar with three numbered buttons: '1' (highlighted in brown), '2', and '3'.

When you open the website, you will be using it as a guest.

So the only things you are able to do is to check out the products, maybe search some things up, sign in and sign up!

The eDay Logo is not only for decoration! It can be used as a home-button too!

Product Screen

If you click on a product you will be prompted to the product page.

The product page look something like this!

A screenshot of a web-based auction platform. At the top, there's a dark header with the 'eDay' logo, 'SIGN IN', 'SIGN UP', a search bar, and a 'SEARCH' button. Below the header, a blue banner displays the message 'Auction has not started yet'. To the left of the main content area, there's an image of a white and black PlayStation 5 console standing upright next to a DualSense controller. A light blue arrow points from the text 'Auction has not started yet' in the banner towards this image. On the right side of the screen, there's detailed information about the product:

PlayStation 5 Console

Buy Price: 598.00\$
If you bid higher or the same price as the buy price, you automatically win the auction.

Current Bid: 0.00\$
Starting Bid: 100.00\$
Starting date: 2022-10-02 20:46:20
Ending Date: 2023-10-02 20:46:20

Description: The PS5 console unleashes new gaming possibilities that you never anticipated. Experience lightning fast loading with an ultra-high speed SSD, deeper immersion with support for haptic feedback, adaptive triggers, and 3D Audio, and an all-new generation of incredible PlayStation games.

Published By: NikPnevmatikos
Seller's Rating: ★★★★★

At the bottom left of the main content area, there's a 'SHOW MAP' button.

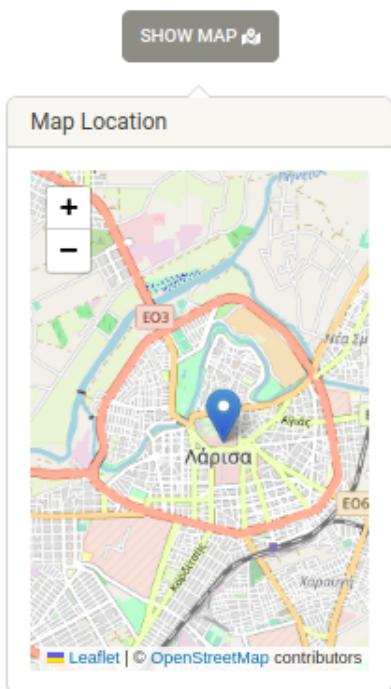
In the product screen you can see more information about the product, and the seller of the product.

There's also a notification, we point out with the arrow, saying "Auction has not started yet" because the screenshot was taken before the starting date of the product.

When the auction hasn't started yet, the "ADD BID" button is disable and does not work.

If the auction for the product has begun and has not ended yet the “ADD BID” button wouldn’t be disable. If you are not logged in, you can’t bid on the product and if you try to hit the “ADD BID” button you will be prompted to the login page. Otherwise you can bid normally!

If you click on the “SHOW MAP” button a pop-over will appear of the products location on the map, like so:



Search Bar

The website also has search functionality. You can search for a specific product either by **name** or **category** or **brand**.

For example, when we search for “clothing”, products show up with a category of “clothing”!

The screen will look like that in this case:

A screenshot of the eDay website interface. At the top, there is a dark header bar with the logo "eDay" (a stylized person icon), "SIGN IN", "SIGN UP", and a search bar containing the text "clothing". An "X" button and a "SEARCH" button are at the end of the search bar. A large blue arrow points upwards from the text "The screen will look like that in this case:" towards the search bar. Below the header, the main content area displays the heading "Showing Results for clothing". Three items are listed in a grid:

Image	Name	Price	Bids	Starting Date
	Binary Joke T-shirt	0.00\$	0 bids	Starting at 2023-09-09 13:24:00
	/*no comment*/ T-shirt	0.00\$	0 bids	Starting at 2024-09-09 02:57:33
	It Works In My Machine T-Shirt	0.00\$	0 bids	Starting at 2022-11-15 12:00:00

Copyright © eDay

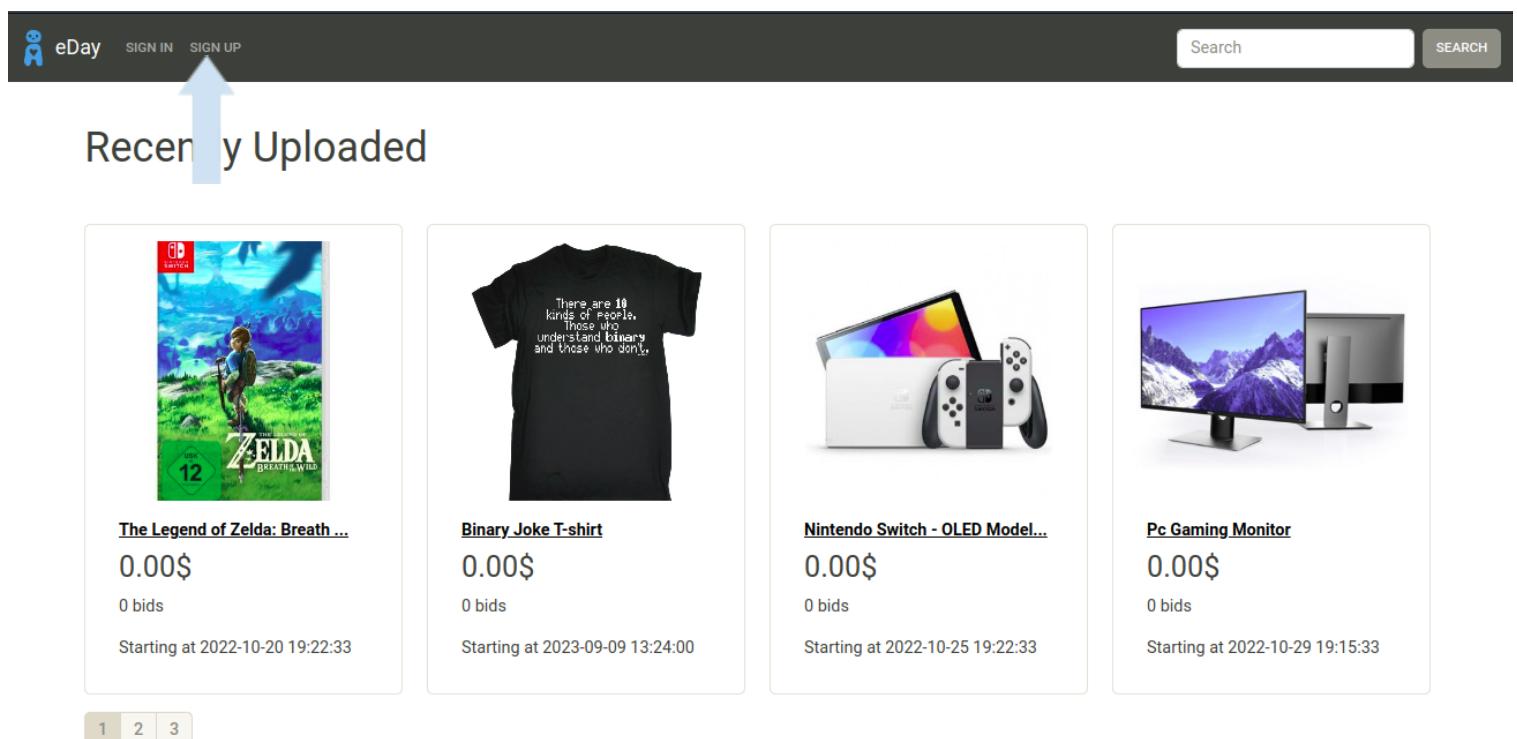
Users

The website supports user registration and login. Users can publish products, delete products, add bids to products, add ratings to other users and message other users.

Registration

In the header bar, except the search bar and the home button (“eDay”), there are two more options when you are a guest.

“Sign In” and “Sign Up”.



A screenshot of the eDay website's product listing page. At the top, there is a dark header bar with the "eDay" logo, a "SIGN IN" button, a "SIGN UP" button, a search bar with placeholder text "Search", and a "SEARCH" button. A blue arrow points from the text "Recently Uploaded" to the "SIGN UP" button in the header. Below the header, the page title "Recently Uploaded" is displayed. The main content area shows four product cards:

- The Legend of Zelda: Breath ...**
0.00\$
0 bids
Starting at 2022-10-20 19:22:33
- Binary Joke T-shirt**
0.00\$
0 bids
Starting at 2023-09-09 13:24:00
- Nintendo Switch - OLED Model...**
0.00\$
0 bids
Starting at 2022-10-25 19:22:33
- Pc Gaming Monitor**
0.00\$
0 bids
Starting at 2022-10-29 19:15:33

At the bottom left, there is a navigation bar with three buttons labeled 1, 2, and 3.

If you click on the Sign Up button you will be prompted to the registration page

 eDay SIGN IN SIGN UP

Search

Sign Up

Username:

Name:

AFM:

Phone:

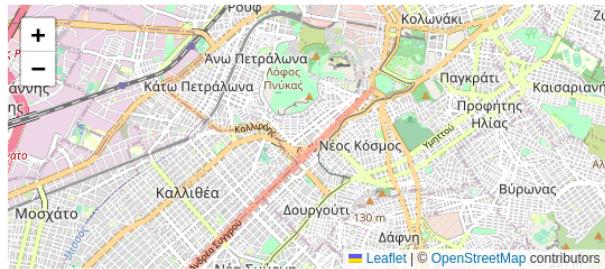
Email:

Password:

Confirm Password:

Location:

Country:

Map Location:


Already Have an Account? [Sign In](#)

Copyright © eDay

The two images above are the form that a new user needs to fill out in order to create an account on our page.

If the user already has an account, they can click at the “Sign In” link, which leads them to the Sign In page so they can login.

If the user doesn’t have an account, they need to fill out all the fields above.

Once all fields are filled and the register button has been clicked, a new user will be created, but will be unable to utilize the full features of the website, because they haven’t been verified by an admin yet and will be prompted to the screen below:

A screenshot of a website interface. At the top, there is a dark header bar with the logo 'eDay' (a stylized blue 'e' inside a circle), the text 'USER1' with a dropdown arrow, 'MYMESSAGES' with a dropdown arrow, a search input field containing 'Search', and a 'SEARCH' button. Below the header is a large orange rectangular box containing a 'Warning!' message. The message text reads: 'You have yet to be verified. You must wait for the Admin to verify your account to have access to this page! [Go Back To Homescreen](#)'. The rest of the page is white and appears to be a placeholder or a blank page.

As you can see from the warning notification, every user must be verified by admin to use some features of the website (profile, myproducts, mybids, mymessages). So at this stage there is nothing to be done, except wait until the admin verifies the user. While you wait you can still check out the products as a guest.

Login

If you already have an account you can log in by clicking the Sign In button in the header of the page. This will take you to the login page.

A screenshot of the eDay website's "Recently Uploaded" section. The top navigation bar includes a user icon, the text "eDay", and buttons for "SIGN IN" and "SIGN UP". A search bar with a "SEARCH" button is also present. A blue arrow points from the text above to the "SIGN IN" button. Below the navigation is a heading "Recently Uploaded". Four items are displayed in a grid:

- The Legend of Zelda: Breath ...**
0.00\$
0 bids
Starting at 2022-10-20 19:22:33
- Binary Joke T-shirt**
0.00\$
0 bids
Starting at 2023-09-09 13:24:00
- Nintendo Switch - OLED Model...**
0.00\$
0 bids
Starting at 2022-10-25 19:22:33
- Pc Gaming Monitor**
0.00\$
0 bids
Starting at 2022-10-29 19:15:33

At the bottom left, there are three small numbered boxes: 1, 2, and 3.

Users can write their username and password to the corresponding fields and sign in by pressing the SIGN IN button, as shown in the image down below:

A screenshot of the eDay website's "Sign In" page. The top navigation bar includes a user icon, the text "eDay", and buttons for "SIGN IN" and "SIGN UP". A search bar with a "SEARCH" button is also present. A blue arrow points from the text above to the "SIGN IN" button. The page has a heading "Sign In" and two input fields: "Username" (containing "admin") and "Password" (containing "....."). Below the fields is a link "Don't Have an Account? [Sign Up Now](#)". At the bottom right is a "SIGN IN" button with a blue arrow pointing to it.

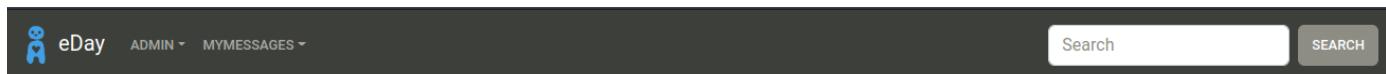
If the account hasn't been created yet, they can click on the "Sign Up Now" link which will redirect them to the Register screen, so they can sign up!

If the account has been already created and the fields have been correctly filled, then the user will be redirected to the homepage.

If the field are not correctly filled in the following error sign will be popped up:

The screenshot shows a "Sign In" page with a dark header containing the eDay logo, "SIGN IN", "SIGN UP", a search bar, and a "SEARCH" button. The main area has a heading "Sign In" and a red error message box containing "No active account found with the given credentials". Below this are two input fields: "Username" with "admin" typed in and "Password" with several dots. To the right of the password field is a "SIGN IN" button. At the bottom left is a link "Don't Have an Account? [Sign Up Now](#)".

Once the user has sign in the header option change to the following:

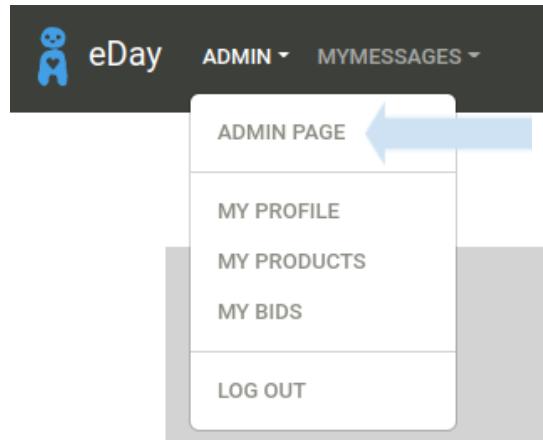


Admin

We have an admin user pre-installed in the app. The admin has more control over the website. They can see all the users in the website and have the option to verify users or even delete users.

Admin Page

When an admin user is logged in, the dropdown options under their username at the header will have an extra option, compared to the ordinary user.
The option to visit the admin page!



In the Admin Page, admin can view the users' profile information, verify the users' account or delete users from the database.

eDay ADMIN ▾ MYMESSAGES ▾

Search SEARCH

My Admin Page

ID	NAME	EMAIL	VERIFIED	
1	admin	admin@gmail.com	Has Been Verified.	<button>VIEW</button> <button>DELETE</button>
2	Mary Diamandi	diamandimary9@gmail.com	Has Been Verified.	<button>VIEW</button> <button>DELETE</button>
3	Nick Pnevmatikos	sdi1900157@di.uoa.gr	Has Been Verified.	<button>VIEW</button> <button>DELETE</button>
4	user1	user1@gmail.com		<button>VERIFY USER</button>
5	user2	user2@gmail.com		<button>VERIFY USER</button>

1 2 3

If VIEW button is clicked:

eDay ADMIN ▾ MYMESSAGES ▾

Search SEARCH

User's Profile

Username: user1

Name: user1

Email: user1@gmail.com

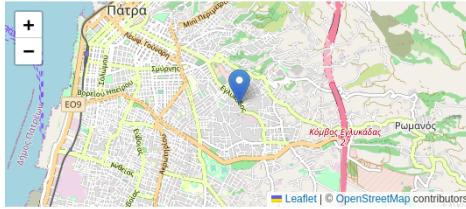
Location: Patra

Phone: +30 696 969 696 9

AFM: 123456789

Country: Greece

Location: Patra

Map Location: 

Is Verified

Rating as Buyer : ★ ★ ★ ★ ★

Rating as Seller : ★ ★ ★ ★ ★

[GO BACK](#)

If the VERIFY button is clicked the user will be verified and can use all the features of the app! In the Admin Page the column will display “Has Been Verified”, as shown above (to the first three users for example).

If the trash-icon button is clicked the user will be deleted from the database and every product and bid associated with the user will be deleted as well. When the button is clicked a notification pops up to make sure the admin wants to delete the specific user.

A screenshot of a web browser showing the 'My Admin Page'. The page has a dark header with the eDay logo, ADMIN, and MYMESSAGES links. A search bar is on the right. The main content area shows a table of users with columns for ID, NAME, EMAIL, and VERIFIED status. The user with ID 12 and name 'deleted user' has a red trash icon in the actions column. A modal dialog box is overlaid on the page, centered over the user's row. The dialog has a black background with white text. It says 'localhost:3000 says' at the top, followed by 'Are you sure you want to delete this user?'. At the bottom are two buttons: 'Cancel' and 'OK'. An arrow points from the left towards the OK button. The table below the dialog shows the user 'deleted user' has been removed, leaving a blank row where they were previously listed.

ID	NAME	EMAIL	VERIFIED
11	Alex Valaris	val@gmail.com	Has Been Verified.
12	deleted user	del@gmail.com	VERIFY USER
13	Isabella Paraskevopoulou	izabellaparaskevopoulou@gmail.com	Has Been Verified.

After pressing OK and deleting the user with the username “deleted user”,

A screenshot of the 'My Admin Page' after the deletion. The page structure is identical to the previous one, but the user with ID 12 and name 'deleted user' is no longer present in the table. The table now only lists the users 'Alex Valaris' and 'Isabella Paraskevopoulou'.

ID	NAME	EMAIL	VERIFIED
11	Alex Valaris	val@gmail.com	Has Been Verified.
13	Isabella Paraskevopoulou	izabellaparaskevopoulou@gmail.com	Has Been Verified.

we can see that the user has now been deleted and can't be seen in the list of the users.

XML/JSON Format

One of the extra features an Admin User has is the option to download auctions data either in xml format or json format.

When clicking a product, An extra button appears in the top Right corner for the admin.

The screenshot shows an auction listing for a t-shirt. The t-shirt is dark green with a yellow graphic that reads "MAY STACK OVERFLOW BE WITH YOU". The listing details are as follows:

- May Stack Overflow Be With You T-Shirt**
- Buy Price:** 135.00\$
If you bid higher or the same price as the buy price, you automatically win the auction.
- Current Bid:** 12.00\$
- Starting Bid:** 10.00\$
- Starting date:** 2022-10-02 03:41:33
- Ending Date:** 2022-11-02 03:41:33
- Description:** Star Wars and Coding Funny Shirt for your geeky friends! Dark green colored t-shirt with yellow stamp! Comes in XS-S-M-L-XL.

In the top right corner, there is a dropdown menu labeled "Choose Format" with options "XML" and "JSON". A blue arrow points from the text "In the above image, the button is being clicked, presenting two options one for the xml format and the other for the json format." to this dropdown menu.

In the above image, the button is being clicked, presenting two options one for the xml format and the other for the json format. When either of those is clicked the corresponding file will be added to the browser downloads.

The screenshot shows a web application interface for managing items. At the top, there's a header with a user icon labeled 'eDay', 'ADMIN', and 'MESSAGES'. Below the header, a product card for a 'May Stack Overflow Be With You T-Shirt' is displayed. The card includes a 'GO BACK' button, the product name, and a bidding section. The bidding section shows a current bid of '\$12.00' and a 'Bid:' input field. To the right of the bidding section are buttons for 'Choose Format' (XML and JSON), a file download icon, and a folder icon.

The xml File for the product “May Stack Overflow Be With You T-shirt” :

```
<?xml version='1.0' encoding='utf-8'?>
<Item ItemID="12">
    <Name>May Stack Overflow Be With You T-Shirt</Name>
    <Category>Clothing</Category>
    <Currently>12.00</Currently>
    <First_Bid>10.00</First_Bid>
    <Number_of_Bids>3</Number_of_Bids>
    <Bids>
        <Bid>
            <Bidder_Rating Rating="None" UserId="NikPnevmatikos">
                <Location>Larissa</Location>
                <Country>Greece</Country>
            </Bidder_Rating>
        </Bid>
        <Time>2022-10-02 00:42:18</Time>
        <Amount>10.00</Amount>
        <Bid>
            <Bidder_Rating Rating="None" UserId="NikPnevmatikos">
                <Location>Larissa</Location>
                <Country>Greece</Country>
            </Bidder_Rating>
        </Bid>
        <Time>2022-10-02 00:42:21</Time>
        <Amount>11.00</Amount>
        <Bid>
            <Bidder_Rating Rating="None" UserId="admin">
                <Location>Athens</Location>
                <Country>Greece</Country>
            </Bidder_Rating>
        </Bid>
        <Time>2022-10-02 00:42:37</Time>
        <Amount>12.00</Amount>
    </Bids>
    <Location>Rhodes, Old Town</Location>
    <Country>Greece</Country>
    <Started>2022-10-02 00:41:33</Started>
```

```
<Ended>2022-11-02 01:41:33</Ended>
<Seller_Rating Seller_Rating="None" UserId="MaryDiam" />
```

The json file for the product “May Stack Overflow Be With You T-shirt” :

```
{
  "Items": [
    {
      "ItemID": "12",
      "Name": "May Stack Overflow Be With You T-Shirt",
      "Category": "Clothing",
      "Currently": "12.00",
      "First_Bid": "10.00",
      "Number_Of_Bids": "3",
      "Bids": [
        {
          "Bidder": {
            "Rating": "None",
            "UserID": "NikPnevmatikos",
            "Location": "Larissa",
            "Country": "Greece"
          },
          "Time": "2022-10-02 00:42:18",
          "Amount": "10.00"
        },
        {
          "Bidder": {
            "Rating": "None",
            "UserID": "NikPnevmatikos",
            "Location": "Larissa",
            "Country": "Greece"
          },
          "Time": "2022-10-02 00:42:21",
          "Amount": "11.00"
        },
        {
          "Bidder": {
            "Rating": "None",
            "UserID": "admin",
            "Location": "Athens",
            "Country": "Greece"
          }
        }
      ]
    }
  ]
}
```

```
        "Country": "Greece"
    },
    "Time": "2022-10-02 00:42:37",
    "Amount": "12.00"
}
],
"Location": "Rhodes, Old Town",
"Country": "Greece",
"Started": "2022-10-02 00:41:33",
"Ends": "2022-11-02 01:41:33",
"Seller": [
{
    "Rating": "None",
    "UserID": "MaryDiam"
}
],
"Description": "Star Wars and Coding Funny Shirt for
your geeky friends! Dark green colored t-shirt with yellow stamp!
Comes in XS-S-M-L-XL."
}
]
```

Auction System

When creating a product, the seller has to fill out a starting date, an ending date, a buy-price and a starting bid.

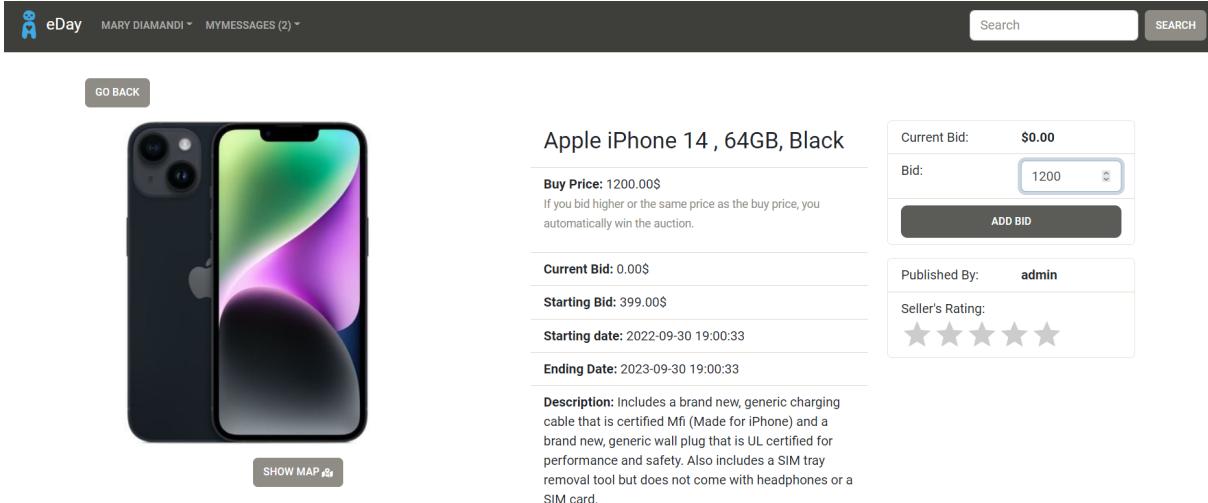
The users can bid only when the current date-time is after the starting date-time, but before the ending date-time.

When the current date-time is after the ending date-time, the auction has ended and the winner is the user with the highest bid!

But that's not the only case for a user to win...

If a user bids a price that is higher or equal to the buy-price that the seller has set up, then the user automatically wins the bid and can buy the product!

Let's say that user "MaryDiam" wants to buy the Iphone 14 and is willing to pay the Buy Price of \$1200.00.



The screenshot shows a product listing for an Apple iPhone 14, 64GB, Black. The listing includes the following details:

- Buy Price:** 1200.00\$
- Current Bid:** 0.00\$
- Starting Bid:** 399.00\$
- Starting date:** 2022-09-30 19:00:33
- Ending Date:** 2023-09-30 19:00:33
- Description:** Includes a brand new, generic charging cable that is certified MFi (Made for iPhone) and a brand new, generic wall plug that is UL certified for performance and safety. Also includes a SIM tray removal tool but does not come with headphones or a SIM card.
- Published By:** admin
- Seller's Rating:** ★★★★★

The interface includes a search bar at the top right, and a "GO BACK" button at the top left. There is also a "SHOW MAP" button below the phone image.

By typing the buy price and clicking the ADD BID button MaryDiam automatically wins the auction!

Two notifications pop up!

One to announce that the bid was successfully placed and one to announce that the auction has officially ended.

The screenshot shows an auction listing for an Apple iPhone 14, 64GB, Black. At the top, there are two notifications: a green bar saying "Bid successfully placed" and a blue bar below it saying "Auction has ended". The main product image is a black iPhone 14. To the right of the image, the item name is "Apple iPhone 14 , 64GB, Black". Below the name are several details:

- Buy Price:** 1200.00\$
- If you bid higher or the same price as the buy price, you automatically win the auction.
- Current Bid:** 1200.00\$
- Starting Bid:** 399.00\$
- Starting date:** 2022-09-30 19:00:33
- Ending Date:** 2023-09-30 19:00:33

A "Description" section follows, stating: "Includes a brand new, generic charging cable that is certified Mfi (Made for iPhone) and a brand new generic wall plug that is not certified for". On the right side, there are sections for "Current Bid" (\$1200.00), "Bid" (1200), an "ADD BID" button, "Published By" (admin), "Seller's Rating" (5 stars), and a "MESSAGE" button.

If MaryDiam checks the MyBid page, the following will appear:

The screenshot shows the "My Bid List" page. The title is "My Bid List". There is a single entry for the iPhone 14 auction, displayed in a table:

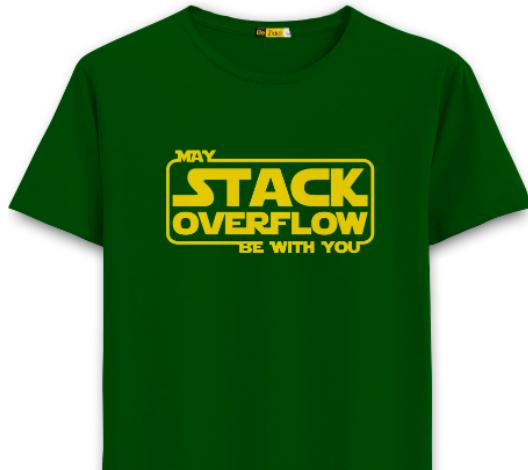
IMAGE	NAME	BRAND	CURRENT BID	YOUR BID	STATE	
	Apple iPhone 14 , 64GB, Black	Apple	1200.00	1200.00	Winning Bid 🎉	MESSAGE RATE

If a placed bid did not win the auction, when going into my bids list it will display:

	May Stack Overflow Be With You T-Shirt	ComputerScienceShirts	135.00	12.00	Lost Bid	
---	--	-----------------------	--------	-------	----------	---

When an auction has ended a notification should display at the top of the product screen.

Auction has ended



May Stack Overflow Be With You T-Shirt

Buy Price: 135.00\$

If you bid higher or the same price as the buy price, you automatically win the auction.

Current Bid: 135.00\$

Starting Bid: 10.00\$

Starting date: 2022-10-02 03:41:33

Ending Date: 2022-11-02 03:41:33

Description: Star Wars and Coding Funny Shirt for your geeky friends! Dark green colored t-shirt with yellow stamp! Comes in XS-S-M-L-XL.

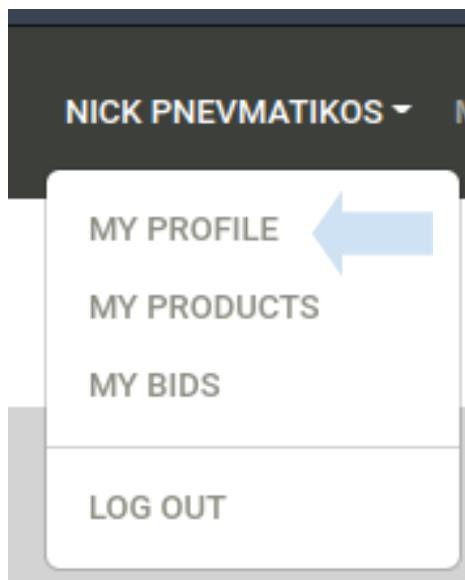
Current Bid:	\$135.00
Bid:	<input type="button" value="Bid"/>
<input type="button" value="ADD BID"/>	
Published By:	MaryDiam
Seller's Rating:	
	

Also if the auction hasn't started or has ended, no one can leave a bid and the ADD A BID gets disabled.

After an auction has ended both seller and buyer have the ability to message and rate each other. (More on that in later sections)

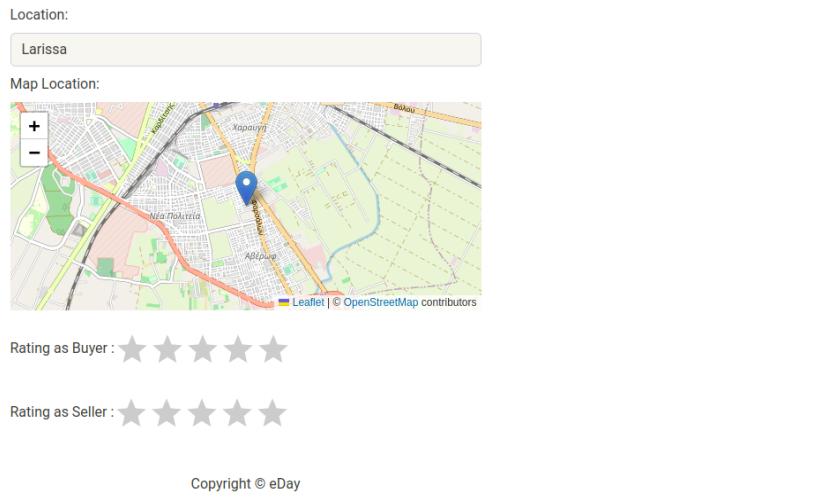
User's Profile

In the user's dropdown there are four options. My Profile, My Products, My Bids, Log Out. Here, we sign in as the user Nick Pnevmatikos, who is an ordinary user (not an admin user, so the admin page doesn't appear).



In My Profile option users can see their own information as well as edit their profile.

A screenshot of the "My eDay Profile" page. At the top, there is a header with the eDay logo, the user name "NICK PNEVMATIKOS", and a search bar. Below the header, the title "My eDay Profile" is displayed. The page contains several input fields for user information: "Username" (NikPnevmatikos), "Name" (Nick Pnevmatikos), "Email" (sdi1900157@di.uoa.gr), "AFM" (123456789), "Phone" (+30 691 234 567 8), and "Country" (Greece). A large blue arrow points to the "EDIT YOUR PROFILE" button, which is located to the right of the "Username" field.



If a user wishes to edit their info all they need to do is click the Edit Your Profile button and change whichever field they wish. When they are done editing their profile, the Save Changes button must be clicked.

If they changed their mind and do not wish to change their profile information, they can just click the Discard Changes button and they will be redirected to the My Profile page with the same profile information as before!

eDay NICK PNEVMATIKOS ▾ MYMESSAGES ▾ Search SEARCH

Edit your Profile

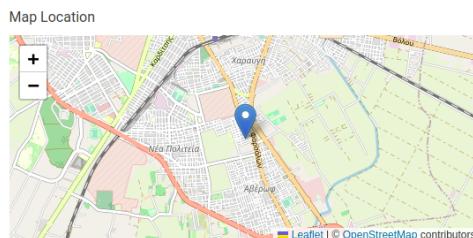
Username	<input type="text" value="NikPnevmatikos (updated)"/>	
Name	<input type="text" value="Nick Pnevmatikos (updated)"/>	
Email	<input type="text" value="sdi1900157@di.uoa.gr"/>	
AFM	<input type="text" value="123456789"/>	
Phone	<input type="text" value="+30 691 234 567 8"/> <div style="display: flex; align-items: center;"> +30 <input type="button" value="≡"/> </div>	
New Password (Optional)	<input type="text" value="Enter Password"/>	

Confirm Password

Location

A large blue arrow points from the "Location" field to the right.

Country



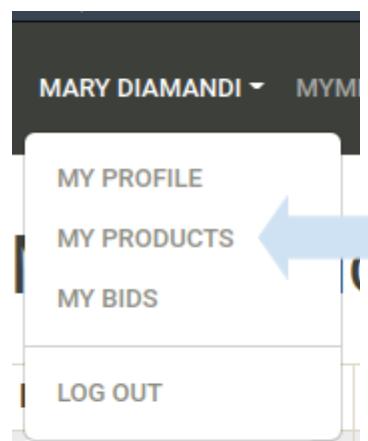
DISCARD CHANGES

SAVE CHANGES

There we demonstrate how now the field can be edited by adding the “(updated)” in the fields name, username and location!

User's Product

In the same dropdown as the above section there is an option called MyProducts.



If the user clicks this option they will be redirected in the My Products page.

IMAGE	NAME	BRAND	CATEGORY	BUY PRICE	CURRENT BID	HISTORY	
	/*no comment*/ T-shirt	ComputerScienceShirts	Clothing	88.50	0.00	HISTORY	EDIT
	It Works In My Machine T-Shirt	ComputerScienceShirts	Clothing	115.00	0.00	HISTORY	EDIT

Here a user can view all their created products, create a new product, edit a product or view all placed bids for a product. Also at the end of an auction options for messaging and rating buyers are enabling (only between the buyer and the seller).

Create Product

At My Products page a user can create a new product by clicking the create button (see image above in the previous section)

S eDay MARY DIAMANDI ▾ MYMESSAGES ▾

Search

Create A Product

Name:

Image: No file chosen

Brand:

Category:

Buy Price:

Starting Bid:

Description:

Starting Date:

Ending Date:

Country:

Location:

Map data:

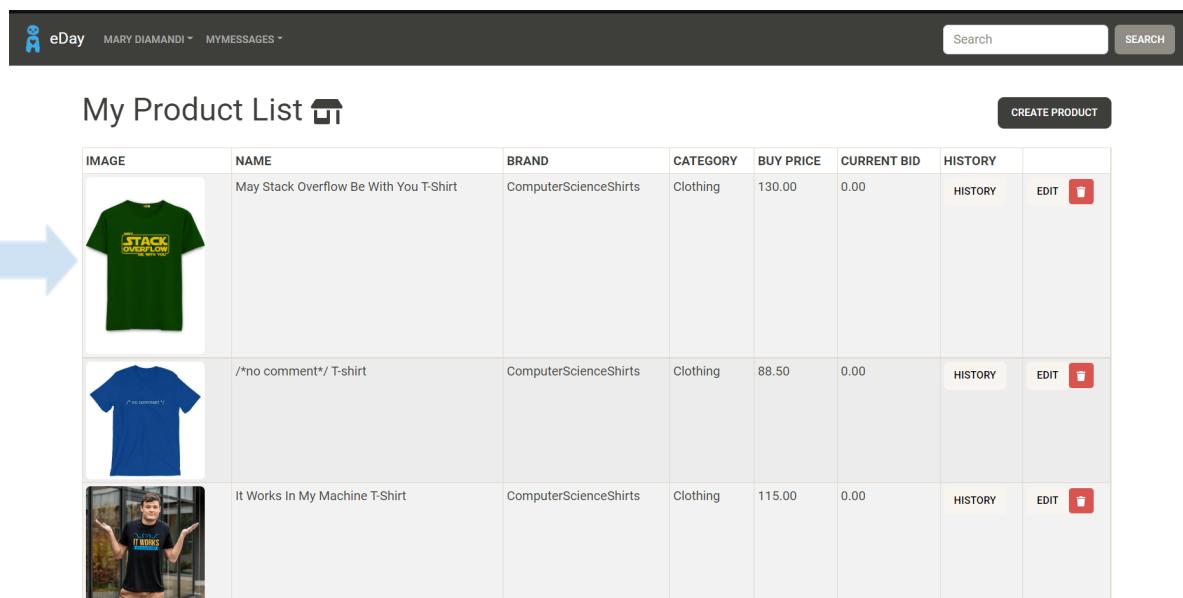


Copyright © eDay

If a user does not want to create a product in this stage, they can click the Discard button and they will be redirected to My Products page.

After filling all the fields and hitting the create button, a new product will be created and they will be redirected to My Product page.

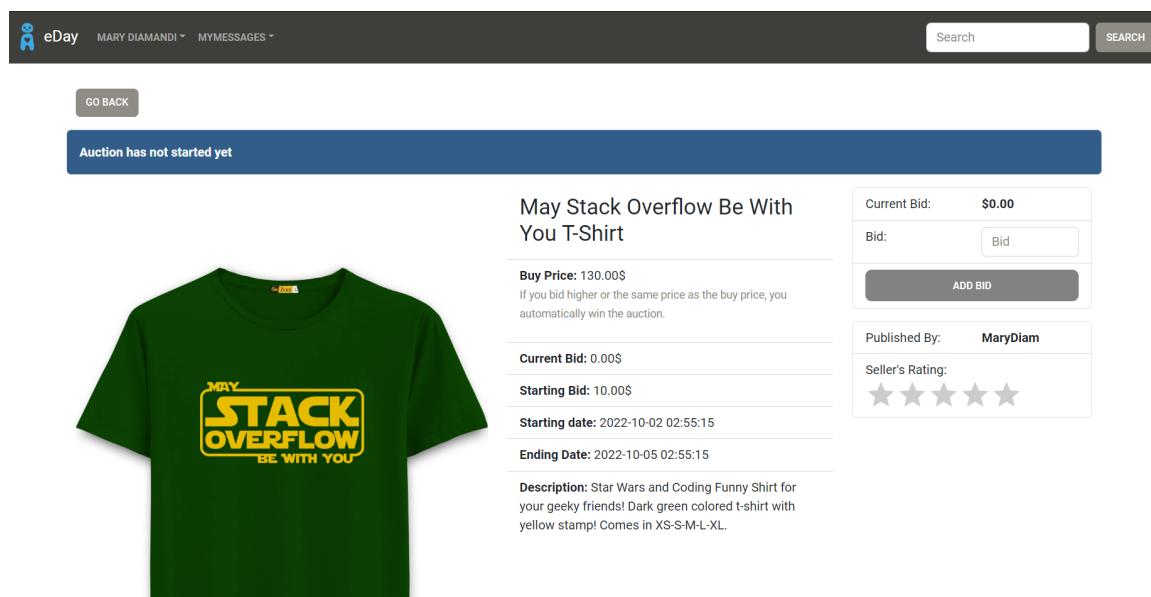
The new product has been added!



My Product List

IMAGE	NAME	BRAND	CATEGORY	BUY PRICE	CURRENT BID	HISTORY	EDIT
	May Stack Overflow Be With You T-Shirt	ComputerScienceShirts	Clothing	130.00	0.00	HISTORY	EDIT
	/*no comment*/ T-shirt	ComputerScienceShirts	Clothing	88.50	0.00	HISTORY	EDIT
	It Works In My Machine T-Shirt	ComputerScienceShirts	Clothing	115.00	0.00	HISTORY	EDIT

Below is the Product Screen of the newly created product.



GO BACK

Auction has not started yet

May Stack Overflow Be With You T-Shirt

Buy Price: 130.00\$
If you bid higher or the same price as the buy price, you automatically win the auction.

Current Bid: \$0.00
Bid: Bid

ADD BID

Published By: MaryDiam

Seller's Rating:

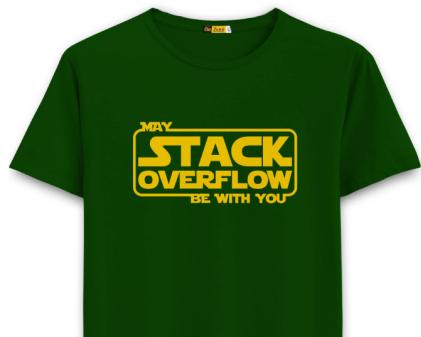
Current Bid: \$0.00

Starting Bid: 10.00\$

Starting date: 2022-10-02 02:55:15

Ending Date: 2022-10-05 02:55:15

Description: Star Wars and Coding Funny Shirt for your geeky friends! Dark green colored t-shirt with yellow stamp! Comes in XS-S-M-L-XL.



Edit Product

In the My Products page, next to each product there is a column with two buttons. The EDIT and the DELETE Button.

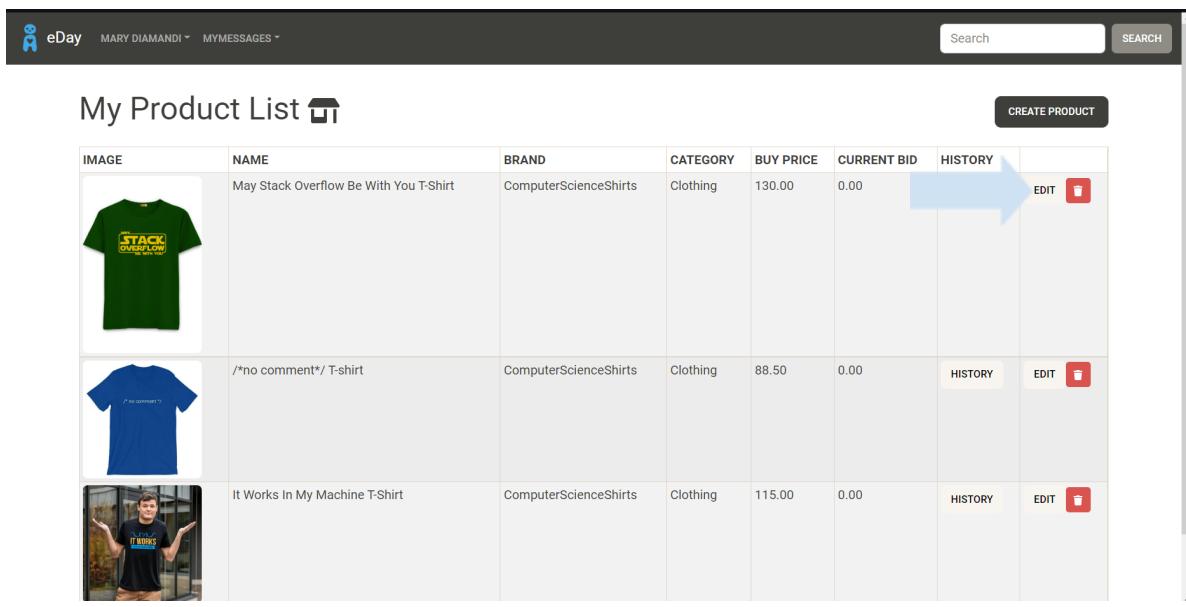


IMAGE	NAME	BRAND	CATEGORY	BUY PRICE	CURRENT BID	HISTORY	EDIT
	May Stack Overflow Be With You T-Shirt	ComputerScienceShirts	Clothing	130.00	0.00	HISTORY	EDIT
	/*no comment*/ T-shirt	ComputerScienceShirts	Clothing	88.50	0.00	HISTORY	EDIT
	It Works In My Machine T-Shirt	ComputerScienceShirts	Clothing	115.00	0.00	HISTORY	EDIT

If a user clicks the EDIT button they will be redirected to the Product Edit page. There they can edit the product fields.

A product can be edited only if the auction for this product has not started yet
(`auction_start_time > current_time`).

If the auction has started then the button will be disabled.

Let's edit this product!

After pressing the EDIT button and changing the brand name of the shirt, all that's left is pressing the SAVE CHANGES button.

Now the brand name of the shirt has officially been changed.



Edit your Product

Name:

It Works In My Machine T-Shirt



Image Preview:

Image:

Choose File No file chosen

Brand:

FunnyShirts

Category:

Clothing

Buy Price:

115.00

Starting Bid:

8.00

A funny programming t-shirt for your coding buddy! Comes in 5 sizes (xs-s-m-l-xl).

Starting Date:

2022-11-15 12:00:00

Ending Date:

2022-12-15 12:00:00

Country:

South Korea

Location:

Seoul

Map Location:



DISCARD CHANGES

SAVE CHANGES

Copyright © eDay

Delete Product

In the My Products page next to the EDIT button, there is a trash can. That button is used to discard the product.

eDay MARY DIAMANDI ▾ MYMESSAGES ▾

Search SEARCH

My Product List

CREATE PRODUCT

IMAGE	NAME	BRAND	CATEGORY	BUY PRICE	CURRENT BID	HISTORY	EDIT
	May Stack Overflow Be With You T-Shirt	ComputerScienceShirts	Clothing	130.00	0.00	HISTORY	EDIT
	/*no comment*/ T-shirt	ComputerScienceShirts	Clothing	88.50	0.00	HISTORY	EDIT
	It Works In My Machine T-Shirt	ComputerScienceShirts	Clothing	115.00	0.00	HISTORY	EDIT

If a user clicks this button the product and all the bids associated with the product will be deleted.

localhost:3000/myProducts

Not secure eDay MARY DIAMANDI ▾ MYMESSAGES ▾

localhost:3000 says
Are you sure you want to delete this Product?

OK **Cancel**

My Product List

CREATE PRODUCT

IMAGE	NAME	BRAND	CATEGORY	BUY PRICE	CURRENT BID	HISTORY	EDIT
	May Stack Overflow Be With You T-Shirt	ComputerScienceShirts	Clothing	130.00	0.00	HISTORY	EDIT
	/*no comment*/ T-shirt	ComputerScienceShirts	Clothing	88.50	0.00	HISTORY	EDIT
	It Works In My Machine T-Shirt	ComputerScienceShirts	Clothing	115.00	0.00	HISTORY	EDIT

After deleting product “May Stack Overflow Be With You T-Shirt”:

IMAGE	NAME	BRAND	CATEGORY	BUY PRICE	CURRENT BID	HISTORY	EDIT
	/*no comment*/ T-shirt	ComputerScienceShirts	Clothing	88.50	0.00	HISTORY	EDIT
	It Works In My Machine T-Shirt	ComputerScienceShirts	Clothing	115.00	0.00	HISTORY	EDIT

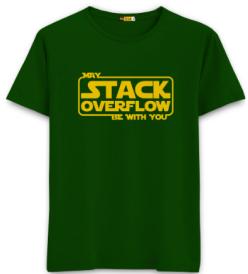
List Of Placed Bids

In the My Products page there is a column in every product with a button “HISTORY”. The button when clicked, will redirect the user to the History Page of a product.

IMAGE	NAME	BRAND	CATEGORY	BUY PRICE	CURRENT BID	HISTORY	EDIT
	May Stack Overflow Be With You T-Shirt	ComputerScienceShirts	Clothing	130.00	0.00	HISTORY	EDIT

The History page has a table with all placed bids for the specific product and the seller can check who has placed a bid and their rating as a buyer!

May Stack Overflow Be With You T-Shirt

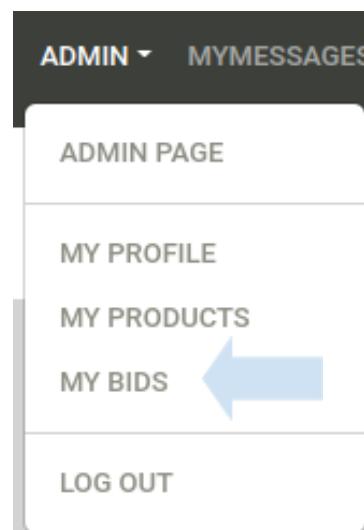


USER	PLACED BID	USER'S RATING
admin	12.00	★★★★★
NikPnevmatikos	11.00	★★★★★
NikPnevmatikos	10.00	★★★★★

Copyright © eDay

User's Bids

In the user's username dropdown there is an option called MyBids.



If the user clicks this option they will be redirected in the My Bids page.

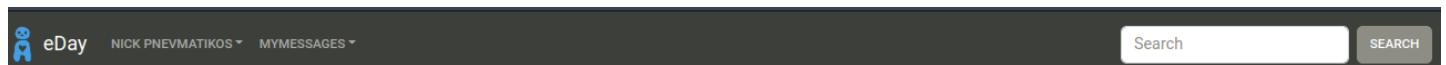


IMAGE	NAME	BRAND	CURRENT BID	YOUR BID	STATE	
	May Stack Overflow Be With You T-Shirt	ComputerScienceShirts	12.00	11.00	Pending...	
	May Stack Overflow Be With You T-Shirt	ComputerScienceShirts	12.00	10.00	Pending...	

Here a user can see the products that they have bidded. A user can delete a placed bid at any given time.

In the My Bids Page there is a column in every product called STATE. This indicates the state of the auction. If an auction is still active it will display “Pending...”. If an auction has ended and the bid didn’t win, it will display “You lost”.

If the bid won the auction it will display “Winning Bid” and 2 more options will be available:

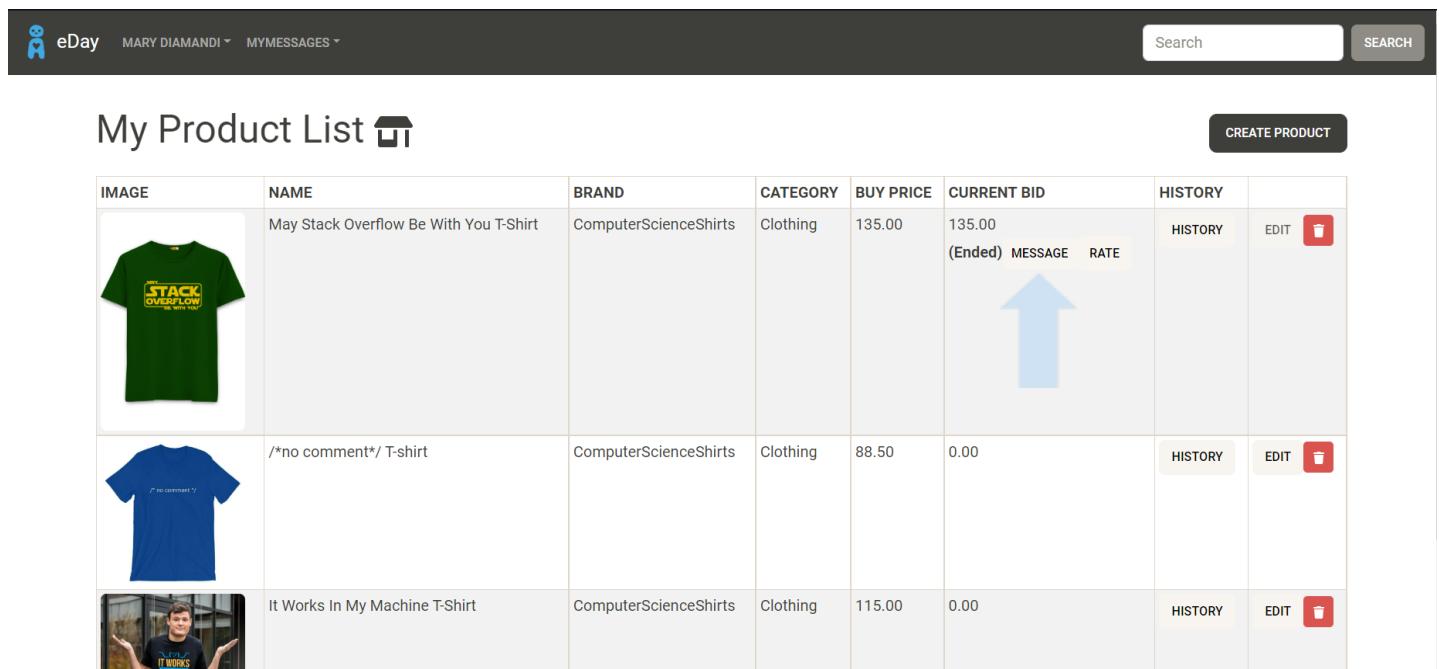
The Message Button and the Rate button. One is used for sending a message to the seller and the other to rate the seller.

More of that will be shown in the next section.

Messages

When an auction has ended both seller and buyer are given 2 options. Message and Rate each other. Both of the users can initialize the message conversation.

Seller can start the conversation by going into my product page and hit the message button located in the CURRENT BID column where the auction ended.



The screenshot shows a user interface for managing products. At the top, there is a navigation bar with a user icon, the text "eDay", "MARY DIAMANDI", "MYMESSAGES", a search bar with placeholder "Search" and a "SEARCH" button. Below the navigation is a section titled "My Product List" with a house icon. On the right of this title is a "CREATE PRODUCT" button. The main area displays a table of products:

IMAGE	NAME	BRAND	CATEGORY	BUY PRICE	CURRENT BID	HISTORY	
	May Stack Overflow Be With You T-Shirt	ComputerScienceShirts	Clothing	135.00	135.00 (Ended) MESSAGE RATE		
	/*no comment*/ T-shirt	ComputerScienceShirts	Clothing	88.50	0.00	 	
	It Works In My Machine T-Shirt	ComputerScienceShirts	Clothing	115.00	0.00	 	

Buyer can start the conversation by going into the My Bid page and hit the message button located in the STATE column where they placed the winning bid.



My Bid List

IMAGE	NAME	BRAND	CURRENT BID	YOUR BID	STATE	
	May Stack Overflow Be With You T-Shirt	ComputerScienceShirts	135.00	135.00	Winning Bid 🎉	 

Upon clicking the message button the user will be redirected at the message reply page where they can send a message.



Reply

From

admin

To

MaryDiam

Context

Hi I won auction for your product!|



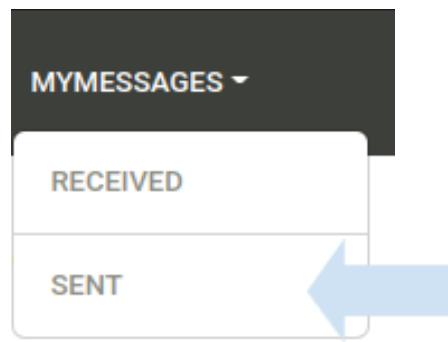


In the reply screen, if a user doesn't want to send a message, they can click the "GO BACK" button. When a user is ready to send a message, they can send it by clicking the reply button. To verify that they

send the message, they will be redirected to the Sent Page.

Sent Messages

Users can see all the messages they sent, if they go to the Sent Page located In the My Messages Dropdown options.



When clicking the “SENT” option, a user will go to the sent Page



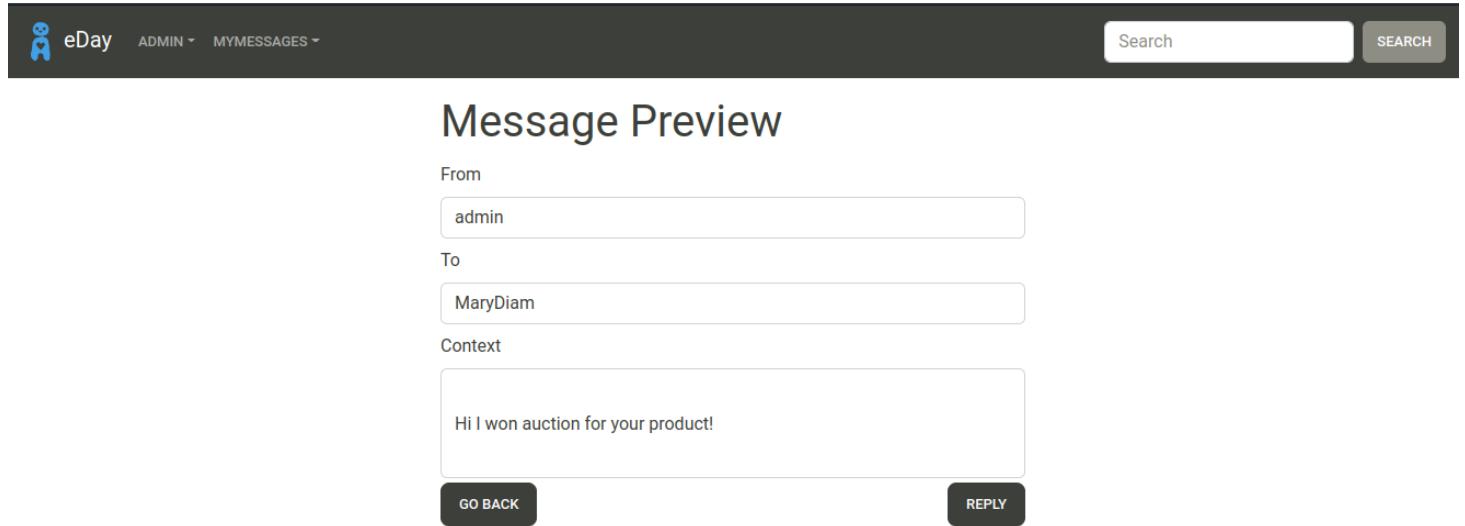
Sent Messages

To	Preview	
MaryDiam	hello again	VIEW REPLY
MaryDiam	Hi I won auction for your product!	VIEW REPLY

Here is a list of all user sent messages!

Users can preview their messages and also reply to other users through this screen, if they click the VIEW button and REPLY button accordingly.

When VIEW button is clicked:



The screenshot shows a 'Message Preview' page. At the top, there's a navigation bar with the eDay logo, ADMIN, MYMESSAGES, a search bar, and a SEARCH button. The main title is 'Message Preview'. Below it, there are fields for 'From' (admin) and 'To' (MaryDiam). A 'Context' field contains the message: 'Hi I won auction for your product!'. At the bottom are 'GO BACK' and 'REPLY' buttons.

From
admin

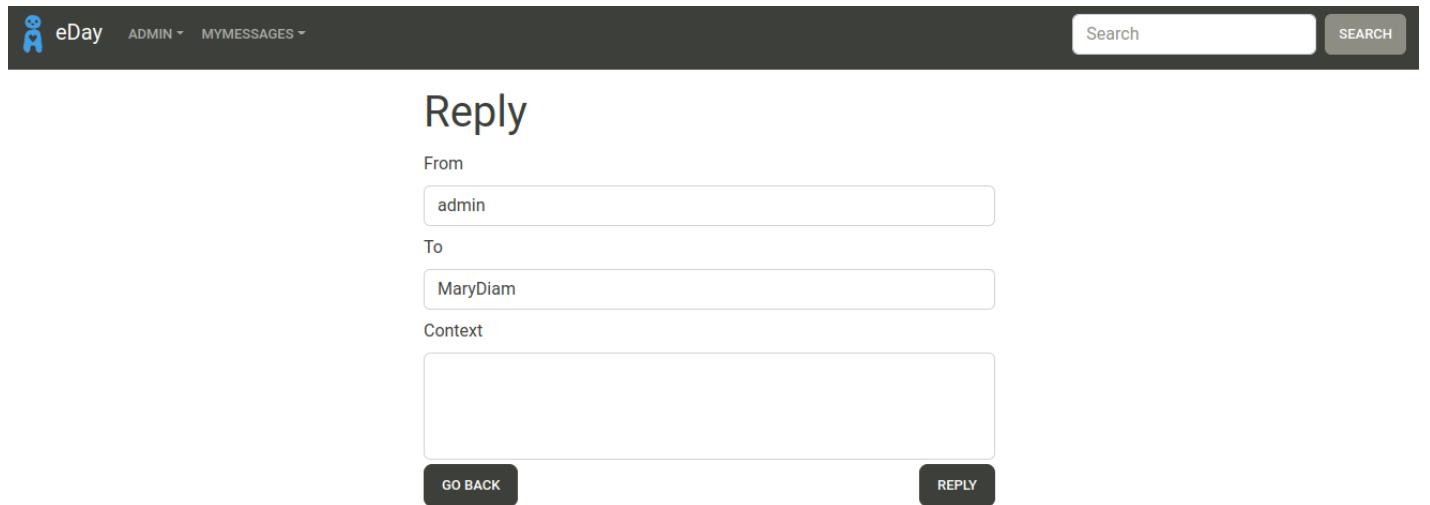
To
MaryDiam

Context
Hi I won auction for your product!

GO BACK REPLY

Here the REPLY button redirects the user to the Reply page.

When REPLY button is clicked:



The screenshot shows a 'Reply' page. It has a similar header to the previous screen. The 'From' field is 'admin' and the 'To' field is 'MaryDiam'. An empty 'Context' field is present. At the bottom are 'GO BACK' and 'REPLY' buttons.

From
admin

To
MaryDiam

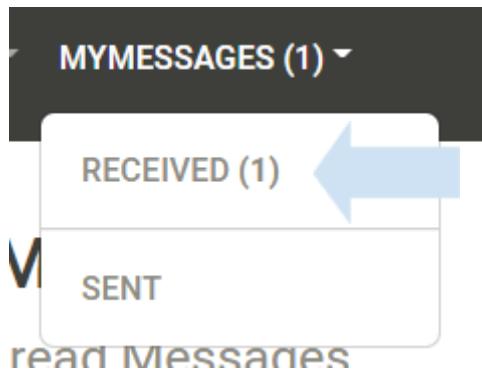
Context

GO BACK REPLY

Received Messages

Users can also see messages they receive from other users.

These messages are at the Received Page located in the MyMessages dropdown options.



Inside Received Page:

The image shows a screenshot of the "Received Messages" page. At the top, there is a navigation bar with icons for user profile, eDay, ADMIN, and MYMESSAGES. On the right side of the navigation bar are "Search" and "SEARCH" buttons. The main content area has a title "Received Messages" with a small info icon. Below the title, it says "You Have 1 Unread Messages" with a blue arrow pointing to it. A table lists a single message: "From" is "MaryDiam" and "Preview" is "Hello! Congratulations for winning the auction!". To the right of the preview are "VIEW" and "REPLY" buttons.

From	Preview	
MaryDiam	Hello! Congratulations for winning the auction!	VIEW REPLY

Here a user can see if they have any unread messages, preview a specific message or reply to a user! The VIEW and the REPLY button has the same functionality as in the sent page (see above section).

Rating System

When an auction ends except sending messages, users can also rate each other.

Each user has two rating meters, one when they sell a product and the other when they are buying a product.

Sellers can rate buyers through the My Product page when an auction for a product has ended.

The screenshot shows a user interface for managing products. At the top, there's a navigation bar with a user icon, the text "eDay MARY DIAMANDI", and a "MESSAGES (1)" notification. To the right are search and search history fields. Below the navigation is a header "My Product List" with a "CREATE PRODUCT" button. The main area displays a table of products:

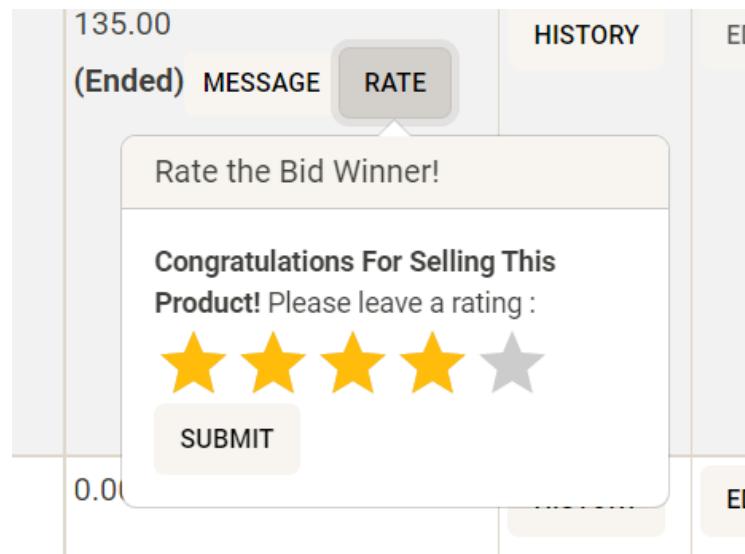
IMAGE	NAME	BRAND	CATEGORY	BUY PRICE	CURRENT BID	HISTORY	EDIT
	May Stack Overflow Be With You T-Shirt	ComputerScienceShirts	Clothing	135.00	135.00 (Ended) MESSAGE RATE	HISTORY	EDIT
	/*no comment*/ T-shirt	ComputerScienceShirts	Clothing	88.50	0.0	HISTORY	EDIT

A modal window is overlaid on the second product row. It contains the following text and controls:

- Rate the Bid Winner!
- Congratulations For Selling This Product! Please leave a rating :
- Rating scale: 5 stars (4 yellow, 1 grey)
- Submit button

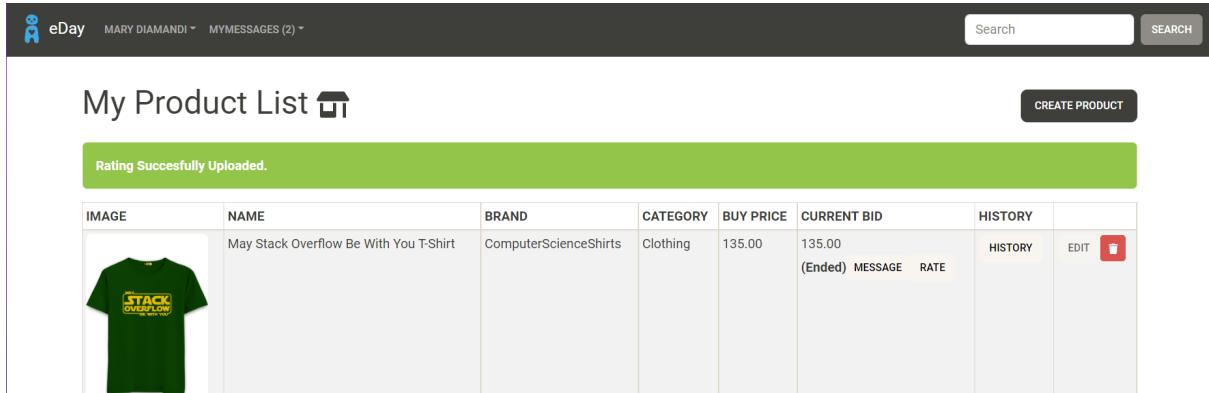
Sellers can rate the bid winner by clicking on the stars accordingly.

Here, the seller left a 4 star rating on the bid winner!



After the sellers choose the rating they desire, they have to click on the SUBMIT button.

A notification will pop up like so, to notify that the rating was successfully placed:



The screenshot shows a user interface for managing products. At the top, there's a navigation bar with a user icon, the text 'eDay MARY DIAMANDI ▾ MYMESSAGES (2) ▾', a search bar, and a 'SEARCH' button. Below the navigation is a title 'My Product List' with a small icon. A green banner at the top of the main content area says 'Rating Succesfully Uploaded.' In the center is a table with columns: IMAGE, NAME, BRAND, CATEGORY, BUY PRICE, CURRENT BID, HISTORY, and EDIT. The first row shows a dark green t-shirt with a yellow 'Stack Overflow Be With You' logo, named 'May Stack Overflow Be With You T-Shirt', from 'ComputerScienceShirts' in the 'Clothing' category. The 'CURRENT BID' row shows '135.00' and '(Ended)'. The 'HISTORY' and 'EDIT' columns contain icons. A 'CREATE PRODUCT' button is located in the top right corner of the main content area.

If we check the history of the biddings of the product, we can see that the rating for bid winner “admin” changed.



May Stack Overflow Be With You T-Shirt

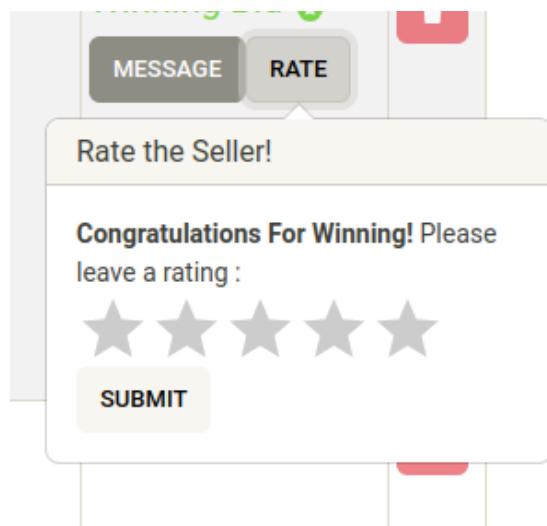
USER	PLACED BID	USER'S RATING
admin	135.00	★★★★★☆
admin	12.00	★★★★★☆
NikPnevmatikos	11.00	★★★★★☆
NikPnevmatikos	10.00	★★★★★☆

Buyers can also rate Sellers through the My Bids page when their bid won the auction.

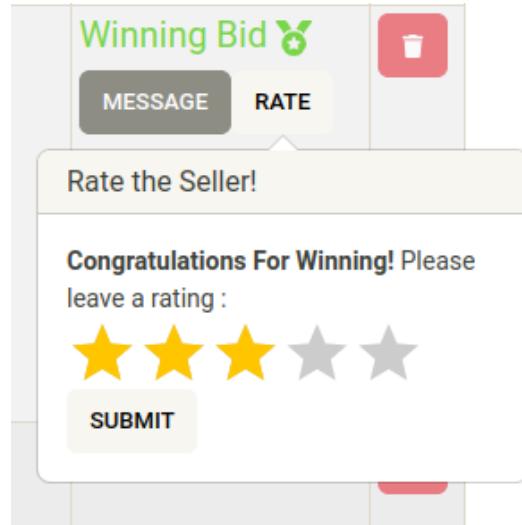
My Bid List

IMAGE	NAME	BRAND	CURRENT BID	YOUR BID	STATE	
	May Stack Overflow Be With You T-Shirt	ComputerScienceShirts	135.00	135.00	Winning Bid 🎉	<input type="button" value="MESSAGE"/> <input type="button" value="RATE"/> 

When the rate Button is being clicked a popover action will appear.

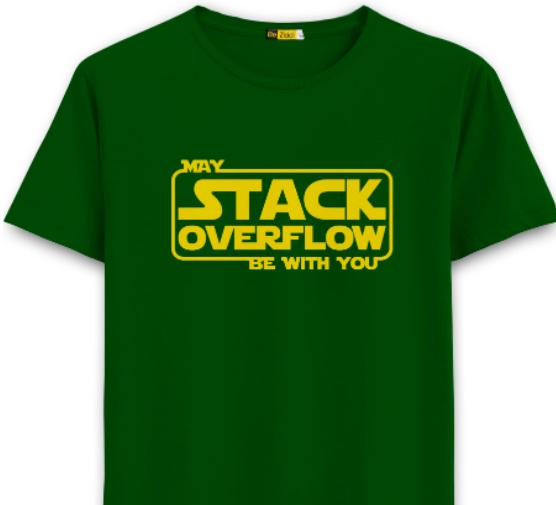


Here a user can click how many stars they want to give the other user and then submit their choice.



When clicking the submit button the user's corresponding rating will change.

Auction has ended



May Stack Overflow Be With You T-Shirt

Buy Price: 135.00\$
If you bid higher or the same price as the buy price, you automatically win the auction.

Current Bid: 135.00\$

Starting Bid: 10.00\$

Starting date: 2022-10-02 03:41:33

Ending Date: 2022-11-02 03:41:33

Description: Star Wars and Coding Funny Shirt for your geeky friends! Dark green colored t-shirt with yellow stamp! Comes in XS-S-M-L-XL.

Current Bid:	\$135.00
Bid:	<input type="button" value="Bid"/>
ADD BID	

Published By:	MaryDiam
Seller's Rating:	
	

The rating helps both the Sellers and the Buyers for future auctions!

Let's say that the user "MaryDiam" sells another product to another user.

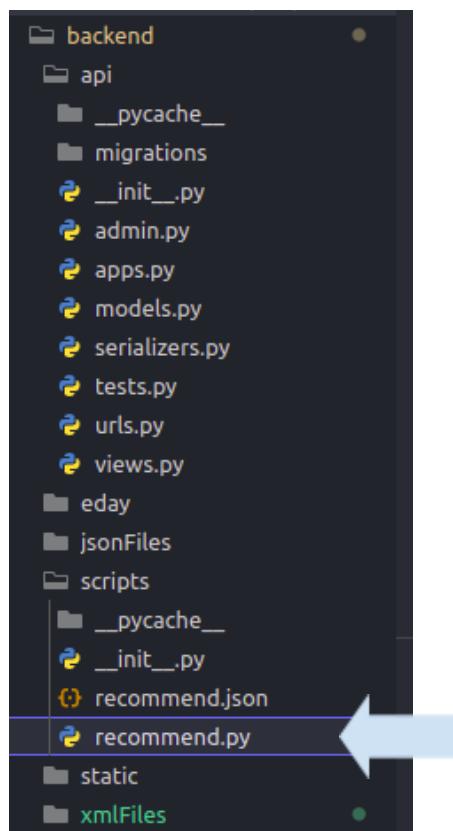
If the user leaves a rating of, let's say, 5 stars, then MaryDiam's seller's rating becomes 4 stars! (

```
(3/*first_rating*/ + 5/*second_rating*/) /  
2/*ratings*/ = 4 = average rating!)
```

Matrix Factorization (Bonus)

Our website also has a recommendation system based on the Matrix Factorization Algorithm.

The implementation of the matrix factorizations is in the file with filename “recommend.py”. Specifically, the path of the file is “backend/api/script/recommend.py” as shown in the following screenshot.



To execute the algorithm you'll have to open a terminal and open the backend folder using cd command. Then, execute the following:

```
python manage.py runscript recommend
```

Upon running this command and opening our website, you will notice that the homescreen is a little different than before.

The screenshot shows the eDay website homepage. At the top, there is a dark header bar with the logo 'eDay' and navigation links for 'ADMIN' and 'MYMESSAGES'. A search bar with a 'SEARCH' button is also present. Below the header, the main content area features a section titled 'Recommended For You' which contains a product carousel. The first item in the carousel is a 'Nintendo Switch - OLED Model White'. Below the carousel, there is a section titled 'Recently Uploaded' which displays four items: a green t-shirt with 'May Stack Overflow Be With You...', a 'The Legend of Zelda: Breath...' t-shirt, a black t-shirt with a binary joke, and a white Nintendo Switch console. Each item has its title, price (or bid amount), number of bids, and end date.

Item	Price/Bid	Bids	End Date
May Stack Overflow Be With You...	12.00\$	3 bids	Ending at 2022-11-02 03:41:33
The Legend of Zelda: Breath ...	0.00\$	0 bids	Starting at 2022-10-20 19:22:33
Binary Joke T-shirt	0.00\$	0 bids	Starting at 2023-09-09 13:24:00
Nintendo Switch - OLED Model...	0.00\$	0 bids	Starting at 2022-10-25 19:22:33

A Carousel is added at the top of the page, displaying “Recommended For You” products which are the result of the algorithm, the 5 top products for the specific user.

So now every user will have a carousel in their homepage displaying the 5 most matching products for his criteria.

Every time you run the algorithm the top 5 products for each user will update.

For the carousel to appear in the homescreen you need to run the script at least one time.

The algorithm runs successfully because of the data given to it. The algorithm takes an array of [user]x[products] size.

The value of each element came from the activity of the user. If a user has viewed a product, then the value of the array for this product will be 1 (array[user[i], product[j]] = 1).

If a user has left a bid to a product, then the value would be 2(array[user[i], product[j]] = 2).

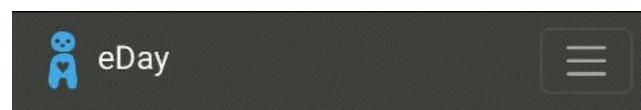
If a user hasn't interacted with a product at all then the value would be 0(array[user[i], product[j]] = 0).

So with these 3 values the algorithm has enough data to speculate the values of the products that the user hasn't interacted with yet and then get the 5 biggest values.

Mobile Phone Compatibility

By adding some additional lines of code into our website we were able to make the website compatible with mobile phones too.

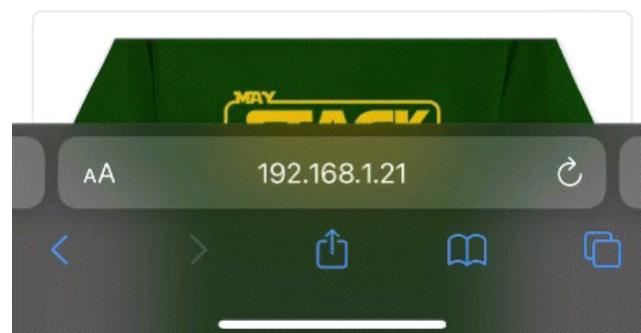
Home Screen on a mobile phone:

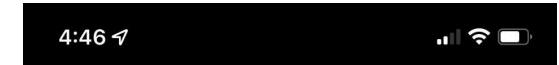


Recommended For You



Recently Uploaded





Recently Uploaded

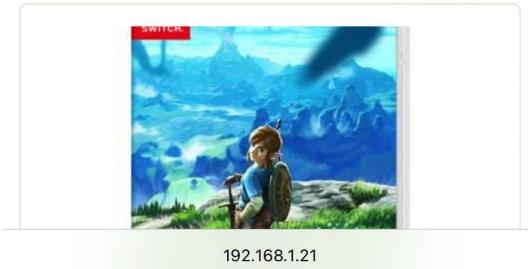
A dark green short-sleeved t-shirt. On the front, there is a yellow graphic with the word "MAY" in small letters above the word "STACK" in large, bold, black letters. Below "STACK" is the word "OVERFLOW" in white letters. At the bottom of the graphic, it says "BE WITH YOU" in small letters. The t-shirt is displayed against a white background.

May Stack Overflow Be With Y...

135.00\$

4 bids

expired



192.168.1.21

Inside product Screen

The screenshot displays a mobile application interface for a product detail screen. At the top, there are two status bars showing "4:46" and signal strength indicators.

Left Side (Product View):

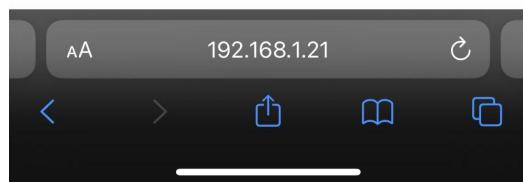
- Buttons:** "GO BACK" and "XML/JSON".
- Text:** "Auction has ended".
- Image:** A dark green t-shirt with a yellow "STACK OVERFLOW BE WITH YOU" logo.
- Buttons:** "SHOW MAP" with a camera icon and the IP address "192.168.1.21".

Right Side (Product Details):

- Text:** **Buy Price:** 135.00\$
If you bid higher or the same price as the buy price, you automatically win the auction.
- Text:** **Current Bid:** 135.00\$
- Text:** **Starting Bid:** 10.00\$
- Text:** **Starting date:** 2022-10-02 03:41:33
- Text:** **Ending Date:** 2022-11-02 03:41:33
- Description:** Star Wars and Coding Funny Shirt for your geeky friends! Dark green colored t-shirt with yellow stamp! Comes in XS-S-M-L-XL.
- Bidding Form:** Current Bid: \$135.00, Bid: , ADD BID button.
- Published By:** MaryDiam
- Seller's Rating:** ★★★★☆ (4 stars)

Bottom Bar: AA, 192.168.1.21, back/forward, refresh, search, and other navigation icons.

Inside Received messages:



Inside My Profile Page:

The image displays two side-by-side screenshots of a mobile application interface, likely from an iPhone, showing a user's profile page. Both screenshots are timestamped at 4:47.

Screenshot 1 (Left): This screenshot shows the main profile editing screen. It includes fields for Username (admin), Name (admin), Email (admin@gmail.com), AFM (1234567890), Phone (+30 693 456 789 0), Country (Greece), and Location (Athens). At the top right is a "EDIT YOUR PROFILE" button. At the bottom are standard iOS navigation icons (back, forward, search, etc.).

Screenshot 2 (Right): This screenshot shows additional profile details. It includes fields for Country (Greece) and Location (Athens). Below these is a "Map Location:" section featuring a map of Athens, Greece, with a blue marker indicating the user's location. The map also shows various neighborhoods like Káto Petrálwna, Néos Kósmos, and Dóuρgou. At the bottom of this section are rating stars: "Rating as Buyer : ★★★★★" and "Rating as Seller : ★★★★☆". The text "Copyright © eDay" is visible at the very bottom of this screenshot.

The images above show some of the screens when our website is used through a mobile phone!