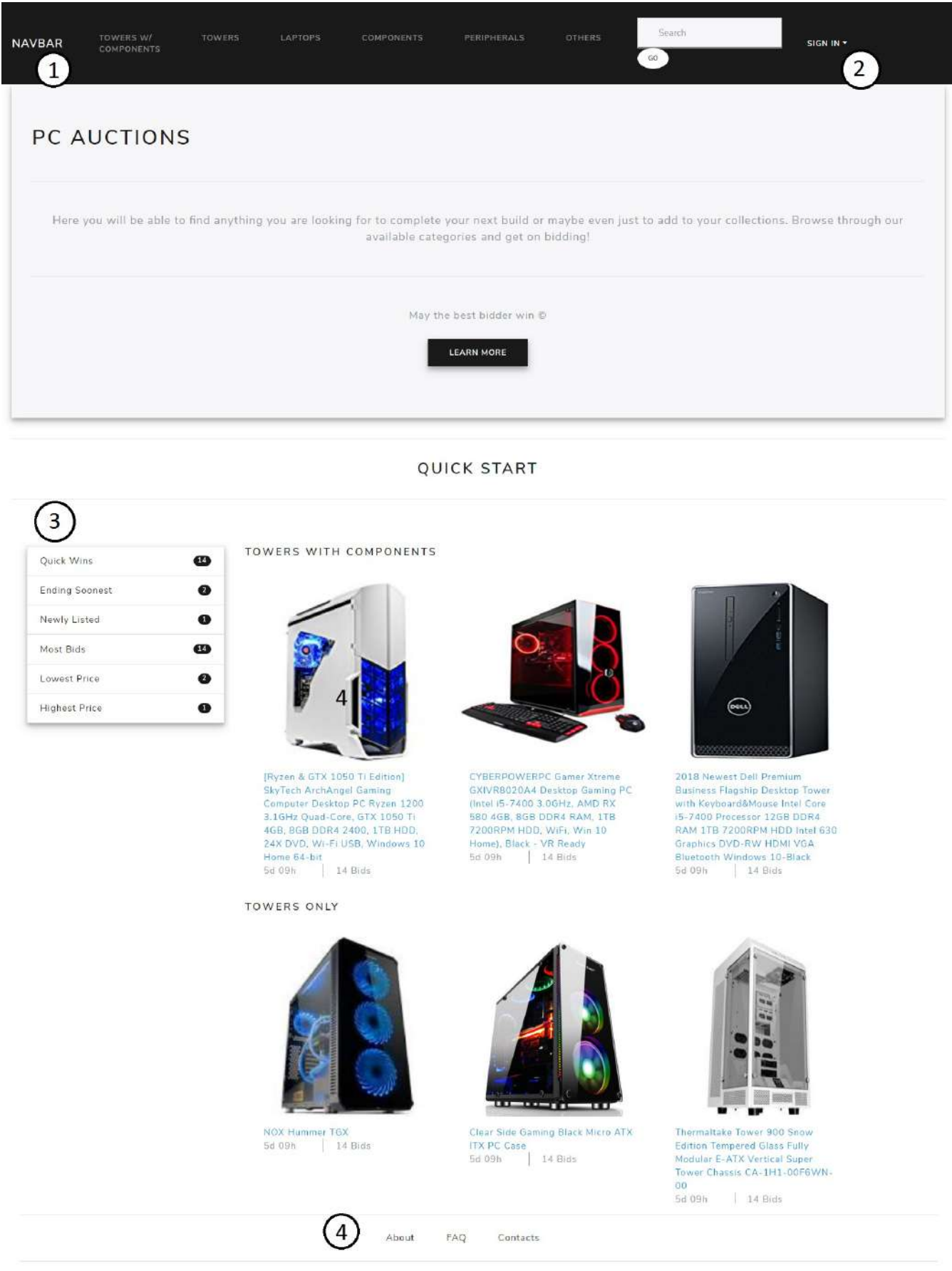


# A3: User Interface Prototype

## 1. Interface and common features

Screenshots highlighting the main elements of the interface, for desktop and mobile.



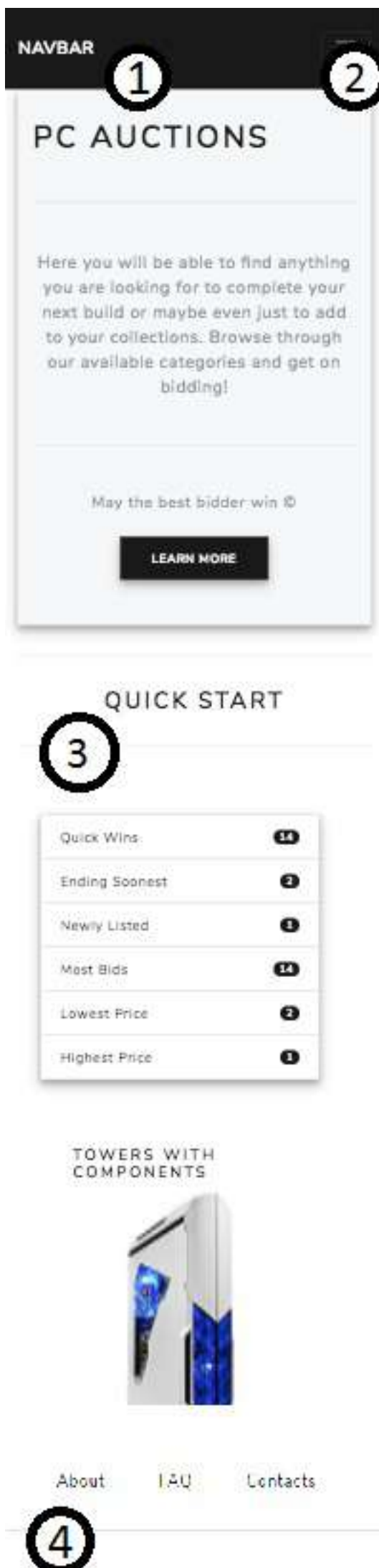


Figure 1: Home page.

- 1-> Logo
- 2-> Navbar and Signin
- 3-> Content
- 4-> Footer

PCAuctions is a web application based on HTML5, JavaScript and CSS. The user interface was implemented using the Bootstrap framework.

In this figure some characteristics common to all pages are highlighted:

- We opted for a “net design” as the example and as discussed with the designer and teacher that suits various screen sizes and is fully optimized for mobile.
- It was decided that links are of no conventional color. They are the contrast between their background and are noticeable by hovering over.
- The common links to the various pages and functions is maintained on all pages to ensure a consistent and easy experience.
- Different sections are distinguishable and all well spaced to be easy to tell what is each section.

## 2. Sitemap

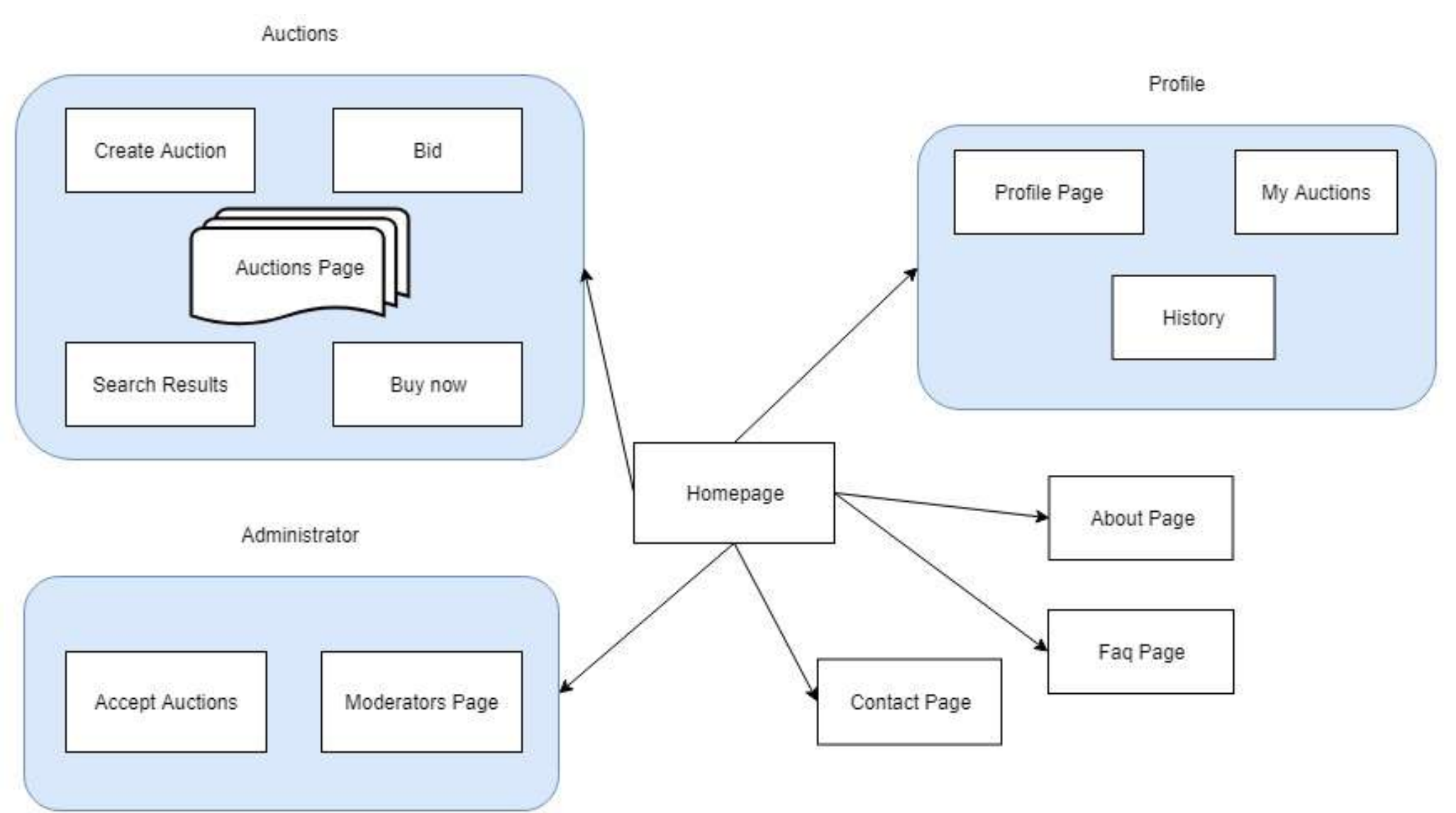


Figure 2: Sitemap.

### 3. Storyboards

These are the storyboards for the main use cases of the system.

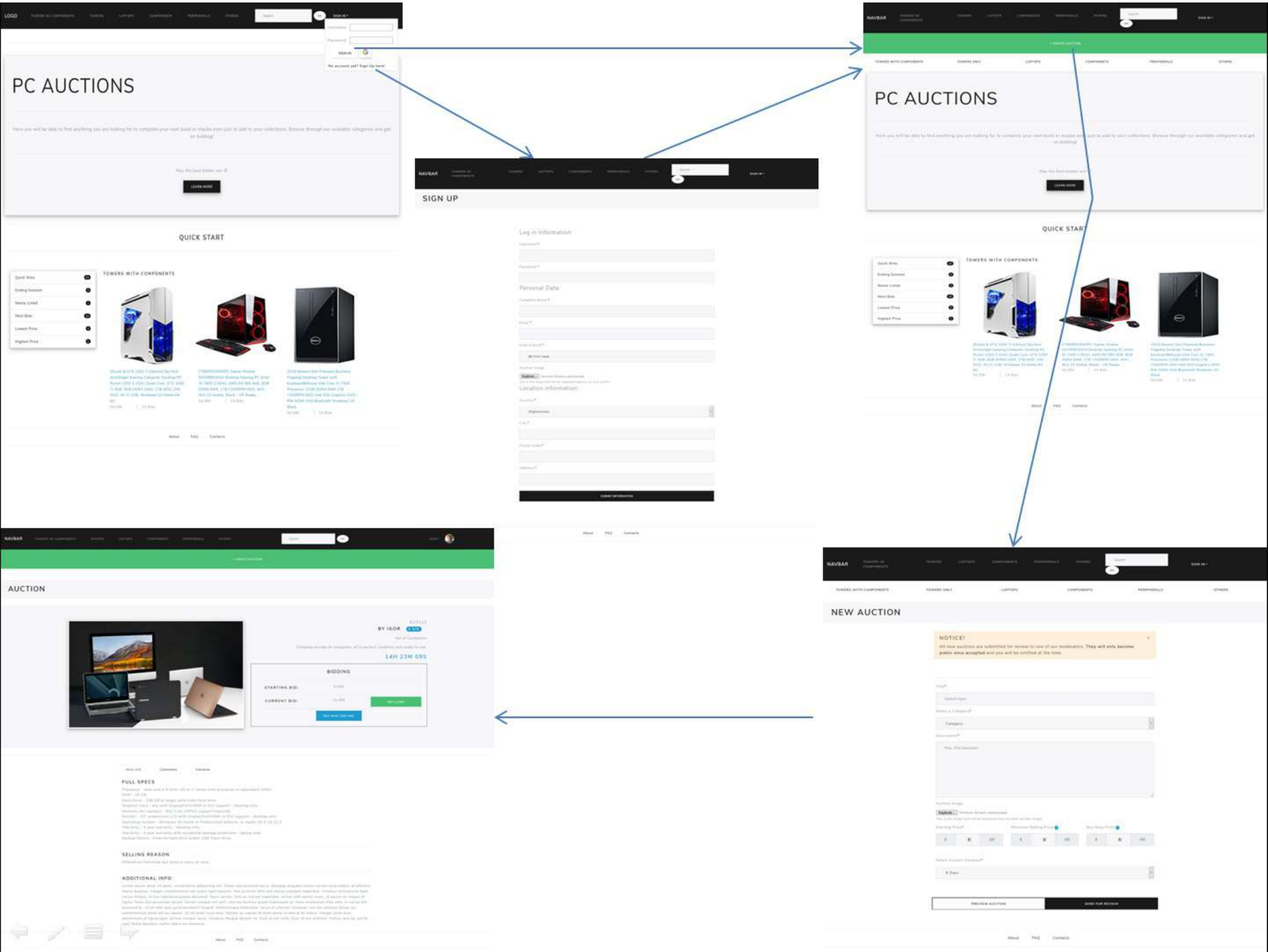


Figure 3: Wireflow of the creation of an auction.

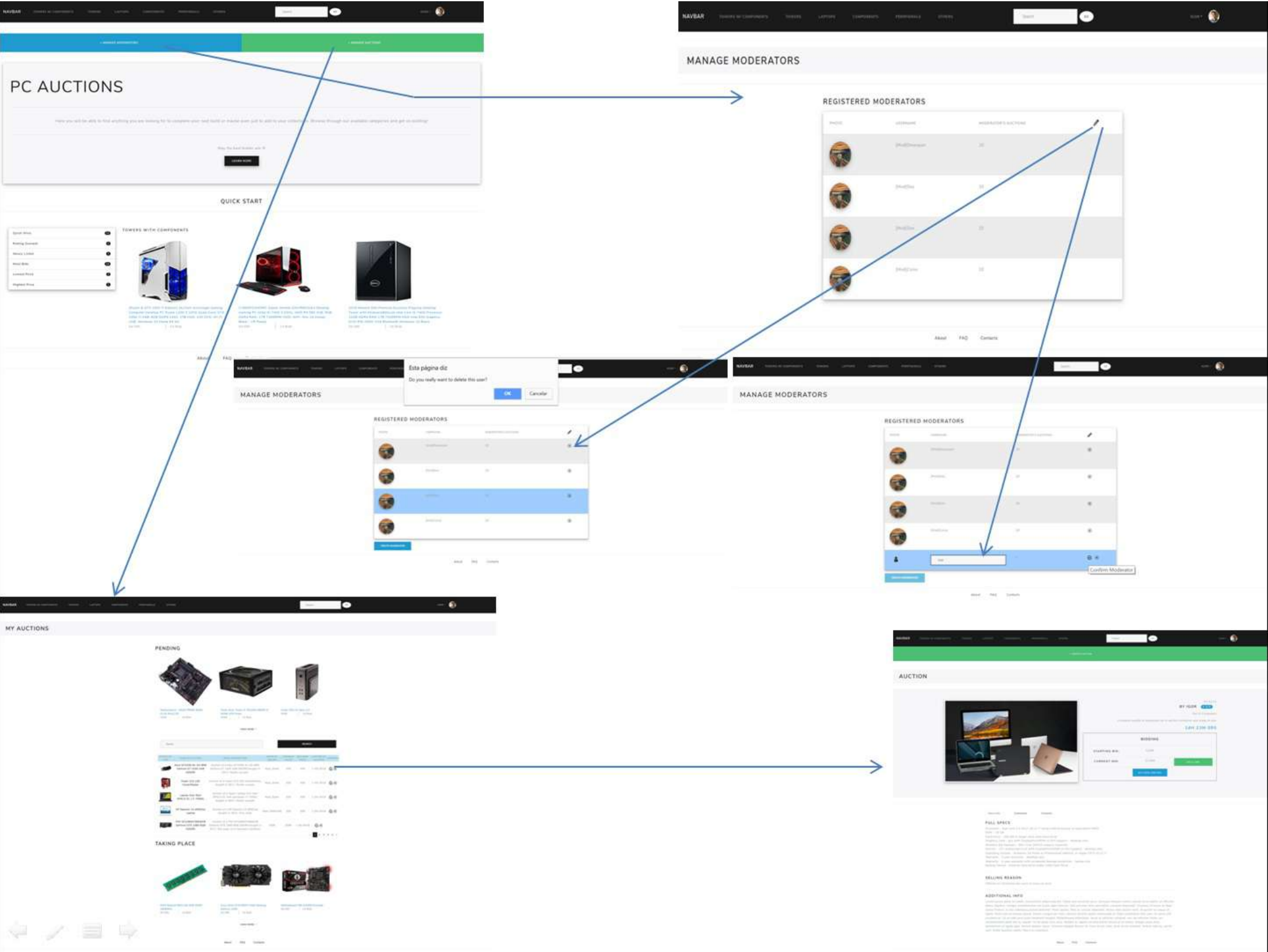


Figure 4: Wireflow centered on the Administrator.

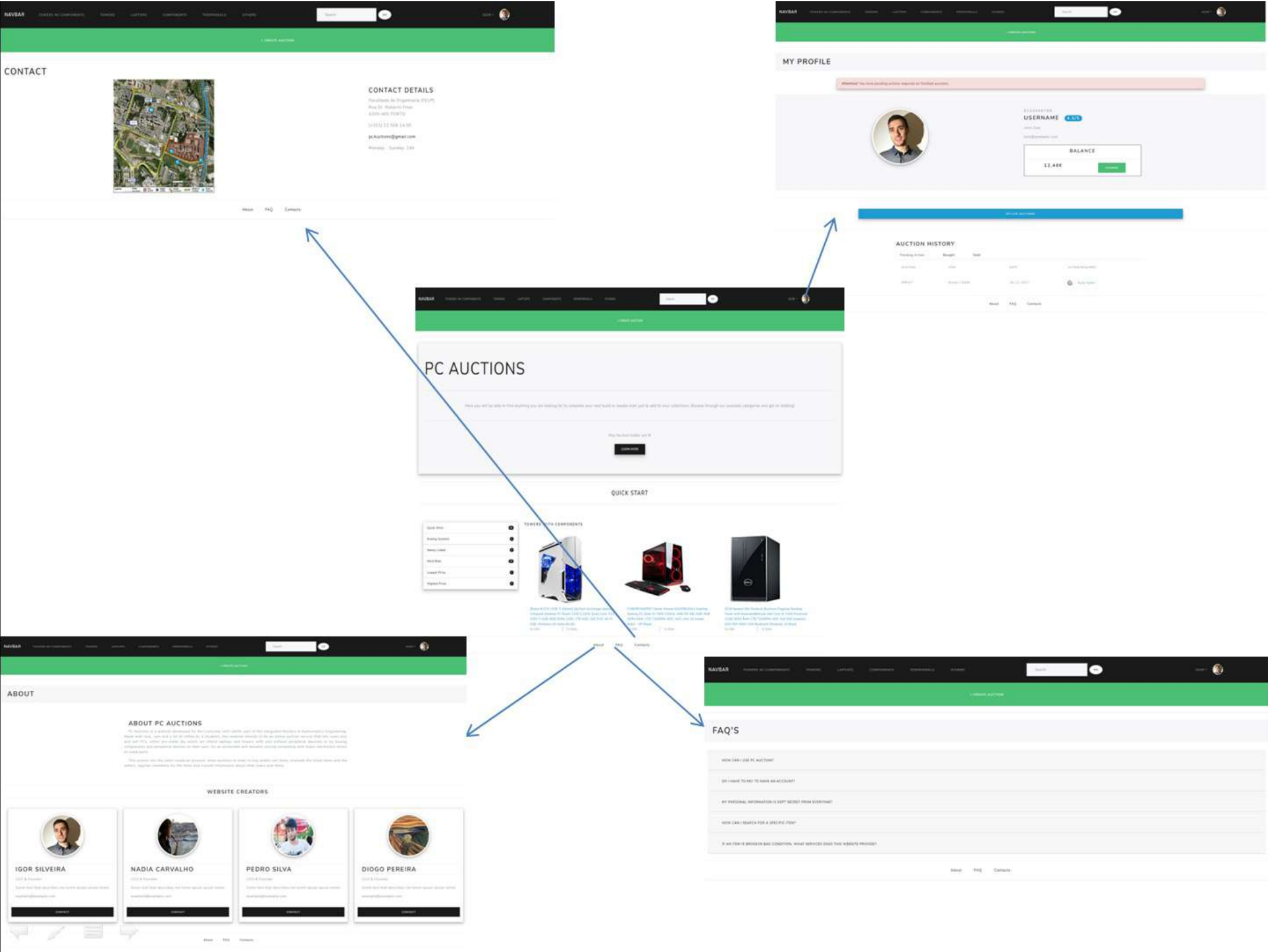


Figure 5: Wireflow centered on an authenticated user.



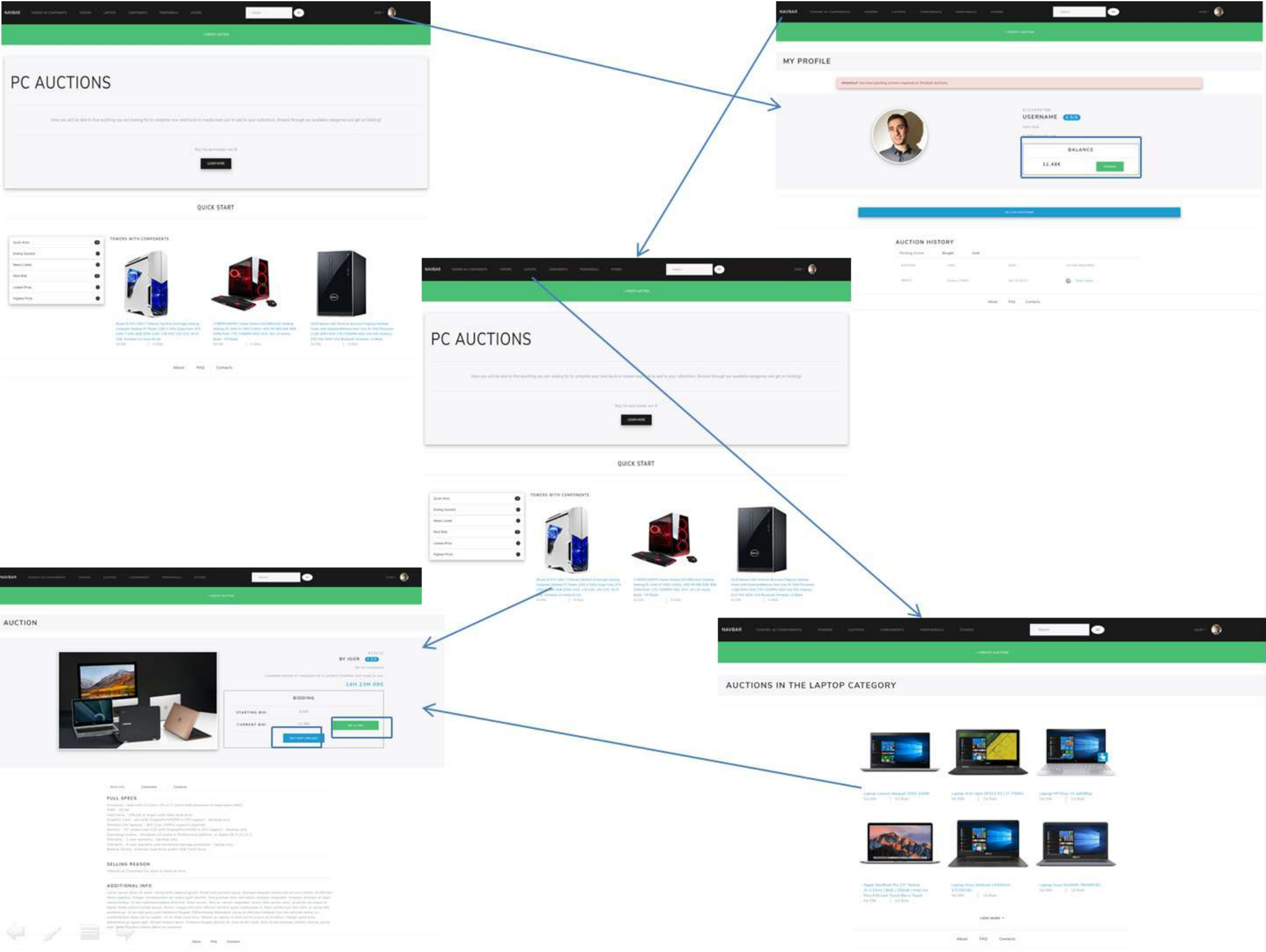


Figure 6: Wireflow centered on how to bid or instantly win an auction.

# 4. Interfaces

Screenshots, structured in subsections, including a reference, a description and a URL to the working version.

## UI01: Home







> Figure 7: Home Page

UI02: About

+ CREATE AUCTION

## ABOUT

### ABOUT PC AUCTIONS

PC Auctions is a website developed for the Curricular Unit EBAW, part of the Integrated Masters in Informatics Engineering. Made with love, care and a lot of coffee by 4 students, this website intends to be an online auction service that lets users buy and sell PCs, either pre-made (by which we intend laptops and towers with and without peripheral devices) or by buying components and peripheral devices on their own, for an accessible and dynamic pricing competing with major electronics stores on used parts.

This system lets the users create an account, enter auctions in order to buy and/or sell items, evaluate the listed items and the sellers, register comments for the items and consult information about other users and items.

### WEBSITE CREATORS



#### IGOR SILVEIRA

CEO & Founder

Some text that describes me lorem ipsum ipsum lorem.

example@example.com

CONTACT



#### NADIA CARVALHO

CEO & Founder

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example@example.com

CONTACT



#### PEDRO SILVA

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example@example.com

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#### DIOGO PEREIRA

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CONTACT

NAVBAR

TOWERS W/ COMPONENTS

TOWERS

LAPTOPS

COMPONENTS

PERIPHERALS

OTHERS

Search

GO

IGOR

+ CREATE AUCTION

ABOUT

ABOUT PC AUCTIONS

Pc Auctions is a website developed for the Curricular Unit LBAW, part of the Integrated Masters in Inphormatics Engineering. Made with love, care and a lot of coffew by 4 students, this website intends to be an online auction service that lets users buy and sell PCs, either pre-made (by which we intend laptops and towers with and without peripheral devices) or by buying components and peripheral devices on their own, for an accessible and dynamic pricing competing with major electronics stores on used parts.

This system lets the users create an account, enter auctions in order to buy and/or sell items, evaluate the listed items and the sellers, register comments for the items and consult information about other users and items.

WEBSITE CREATORS



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CONTACT



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lorem ipsum ipsum lorem.

example@example.com

CONTACT

Figure 8: About Page

NAVBAR

TOWERS W/  
COMPONENTS

TOWERS

LAPTOPS

COMPONENTS

PERIPHERALS

OTHERS


Search

60

IGOR

+ CREATE AUCTION

CONTACT



CONTACT DETAILS

Faculdade de Engenharia (FEUP)  
Rua Dr. Roberto Frias  
4200-465 PORTO  
  
(+351) 22 508 14 00  
  
pcAuctions@gmail.com  
  
Monday - Sunday: 24h

AboutFAQContacts

NAVBAR

+ CREATE AUCTION

CONTACT



CONTACT DETAILS

Faculdade de Engenharia (FEUP)  
Rua Dr. Roberto Frias  
4200-465 PORTO  
  
(+351) 22 508 14 00  
  
pcAuctions@gmail.com  
  
Monday - Sunday: 24h

AboutFAQContacts

Figure 9: Contacts Page

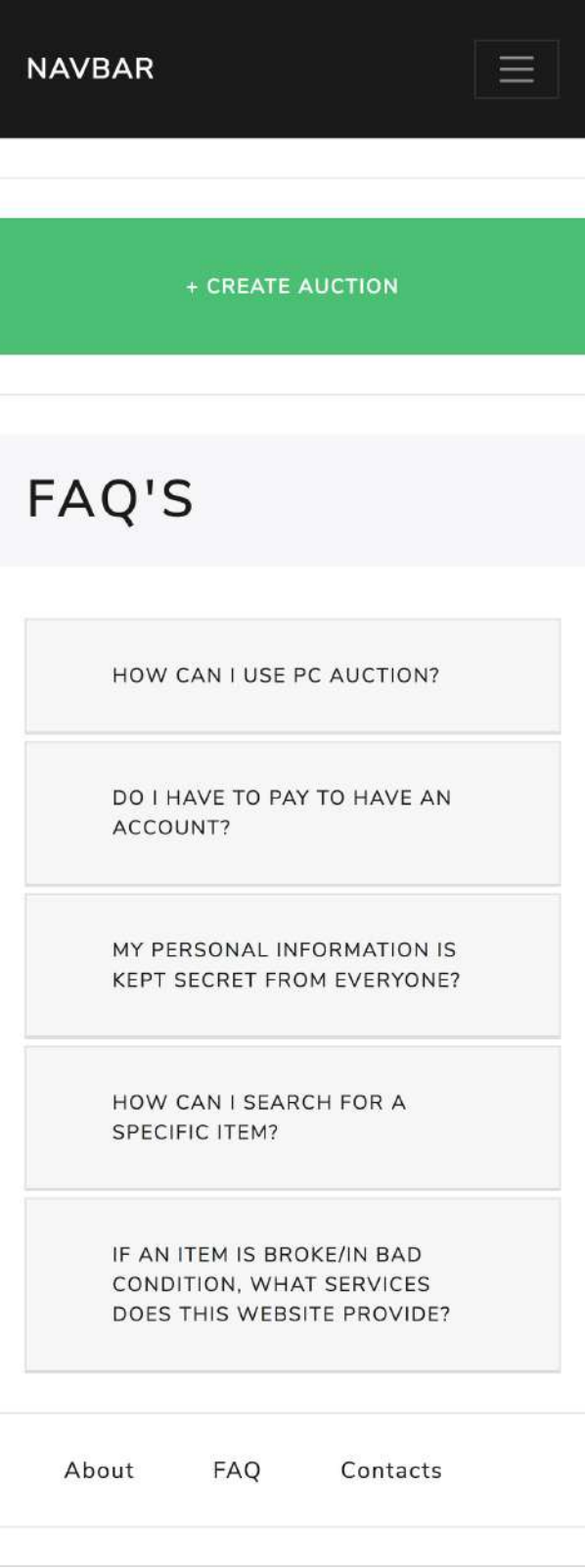
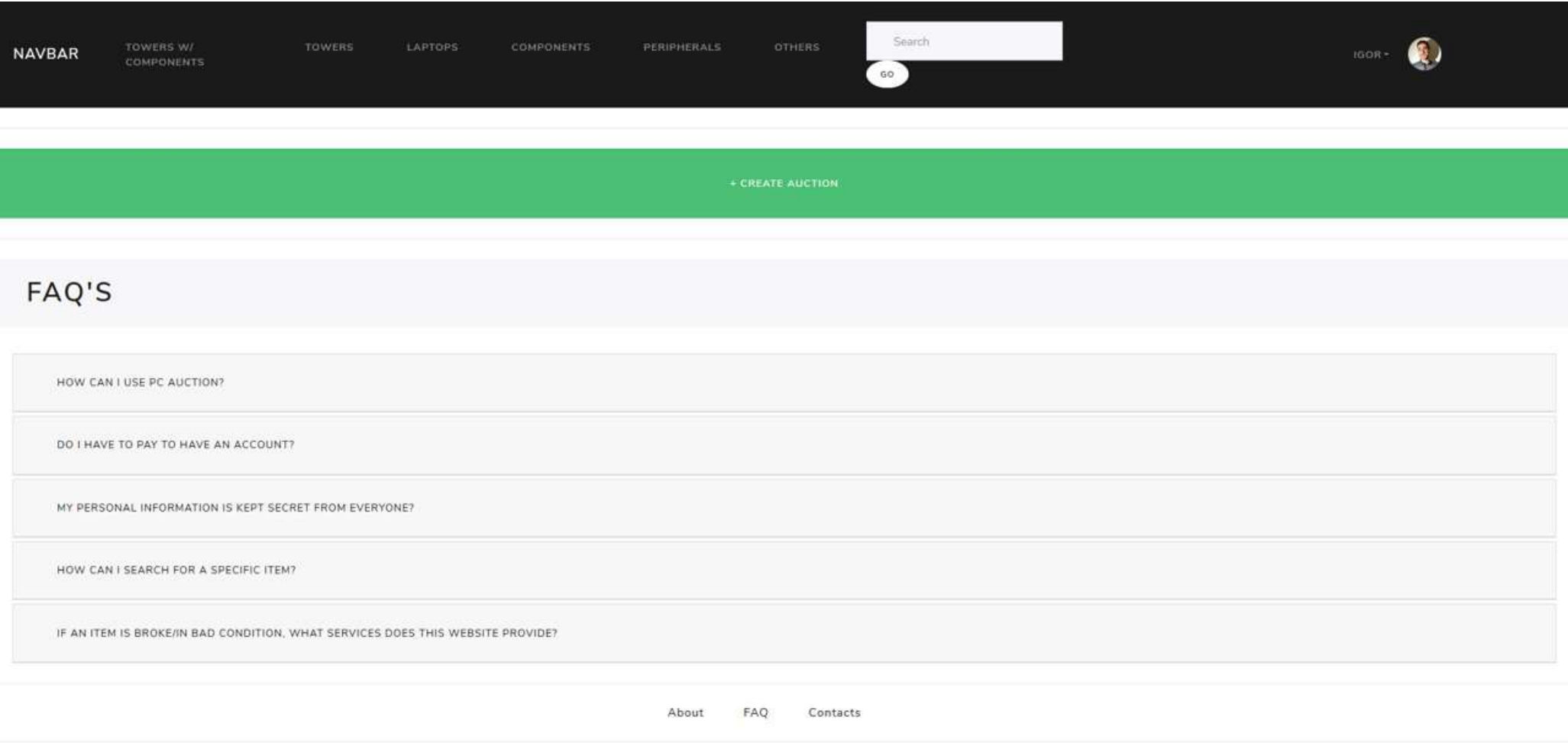


Figure 10: FAQ Page

UI05: Register

SIGN UP

Log in Information:

Username \*

Password \*

Personal Data:

Complete Name \*

Email \*

Date of birth \*

dd/mm/yyyy

Profile Image

Upload

Maximum file size: 5MB

This is the image that will be displayed publicly on your profile.

Location information:

Country \*

Afghanistan

City \*

Postal Code \*

Address \*

SUBMIT INFORMATION



NAVBAR

SIGN UP

Log in Information:

Username:

\*

Password:

\*

Personal Data:

Complete Name:

\*

Email:

\*

Date of birth:

\*

mm/dd/y

Auction Image

Browse...

No file selected.

This is the image that will be displayed publicly on your profile.

Location information:

Country:

\*

Afghanis

City:

\*

Postal-Code:

\*

Address:

\*

SUBMIT INFORMATION

About

FAQ

Contacts

> Figure 11: Register Page

NAVBAR

TOWERS W/  
COMPONENTS

TOWERS

LAPTOPS


COMPONENTS

PERIPHERALS

OTHERS


Search

GO


IGOR + 

+ CREATE AUCTION


AUCTIONS IN THE LAPTOP CATEGORY




Laptop Lenovo Ideapad 320S-14IKB  
5d 09h | 14 Bids




Laptop Acer Spin SP513-51 | i7-7500U  
5d 09h | 14 Bids




Laptop HP Envy 13-ad008np  
5d 09h | 14 Bids



Apple MacBook Pro 13" Retina  
i5-3,1GHz | 8GB | 256GB | Intel Iris  
Plus 650 com Touch Bar e Touch  
5d 09h | 14 Bids



Laptop Asus Zenbook UX430UA-57CHDCB1  
5d 09h | 14 Bids



Laptop Asus S410UN-76AM5CB1  
5d 09h | 14 Bids

VIEW MORE +

About

FAQ

Contacts

NAVBAR

+ CREATE AUCTION

AUCTIONS IN THE LAPTOP CATEGORY



Laptop Lenovo Ideapad 320S-14IKB  
5d 09h | 14 Bids



Laptop Acer Spin 5P513-51 | i7-7500U  
5d 09h | 14 Bids



Laptop HP Envy 13-e4008ng  
5d 09h | 14 Bids



Apple MacBook Pro 13" Retina i5-3.1GHz | 8GB | 256GB | Intel Iris Plus 650  
com Touch Bar & Touch  
5d 09h | 14 Bids



Laptop Asus Zenbook UX430UA-57CHDCB1  
5d 09h | 14 Bids



Laptop Asus S410UN-78AM5CB1  
5d 09h | 14 Bids

VIEW MORE

Search

SEARCH

PHOTO OF ITEM	NAME OF AUCTION	BRIEF DESCRIPTION
	Microsoft Surface Book 2 - 13" - i7-8650U   8GB   256GB	Auction of a Microsoft Surface Book 2 - 13" - i7-8650U   8GB   256GB. Mostly unused.
	Laptop Acer Swift 5 SF514-51T   Core i5-8250U   256GB	Auction of a laptop Acer Swift 5 SF514-51T with Core i5-8250U and 256GB of RAM. Bought in 2017. Mostly unused.
	Apple MacBook Air 13" i5-1.8GHz   8GB   128GB	Auction of a Apple MacBook Air 13" bought in 2013.
	Laptop Asus Zenbook Flip S UX370UA-780HDA81	Auction of a Asus Zenbook Flip S UX370UA-780HDA81 bought in 2017. A bit used but in good condition.
	HP Spectre 13-e4002ng Laptop	Auction of a HP Spectre 13-e4002ng bought in 2012. Very used.

1 2 3 4 5

AboutFAQContacts

> Figure 12: Category Page

NAVBAR

TOWERS W/ COMPONENTS

TOWERS

LAPTOPS

COMPONENTS

PERIPHERALS

OTHERS

Search


50

ROB

+ CREATE AUCTION

MY PROFILE

Attention! You have pending actions required on finished auctions.



#123456789

USERNAME4.5/5

John Doe

test@example.com

BALANCE

12.48€

CHARGE


MY LIVE AUCTIONS

AUCTION HISTORY

Pending Action

Bought

Sold

AUCTION	ITEM	DATE	ACTION REQUIRED
#99117	Ryzen 1300X	30.12.2017	 <a href="#">Rate Seller</a>

About


FAQ

Contacts

+ CREATE AUCTION

MY PROFILE

Attention! You have pending actions required on finished auctions.



#123456789

USERNAME 

4.5/5

John Doe

test@example.com

BALANCE

12,48€

CHARGE

MY LIVE AUCTIONS

AUCTION HISTORY

Pending Action

Bought

Sold

EM	DATE	ACTION REQUIRED
Ryzen 1300X	30-12-2017	<div><div></div><div>Rate Seller</div></div>

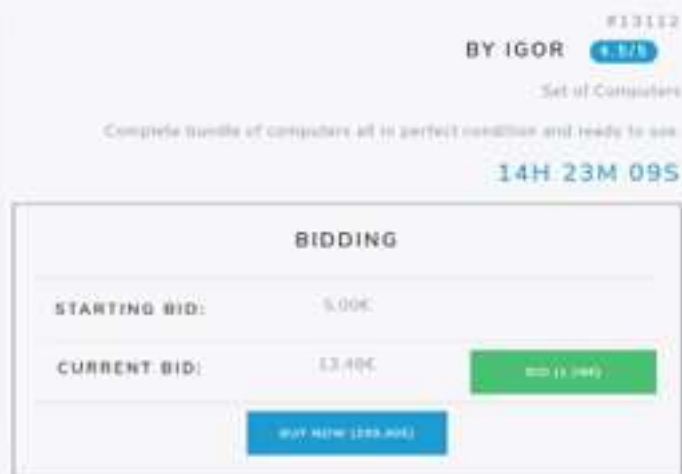
About

FAQ

Contacts

Figure 13: Profile Page

AUCTION



## Contacts

Processor - dual core 2.4 GHz+ i5 or i7 series Intel processor or equivalent AMD  
RAM - 16 GB  
Hard Drive - 256 GB or larger solid state hard drive  
Graphics Card - any with DisplayPort/HDMI or DVI support - desktop only  
Wireless (if laptop) - 802.11ac (WPA2 support required)  
Monitor - 23" widescreen LCD with DisplayPort/HDMI or DVI support - desktop only  
Operating System - Windows 10 Home or Professional edition, or Apple OS X 10.12.3  
Warranty - 3 year warranty - desktop only  
Warranty - 4 year warranty with accidental damage protection - laptop only  
Backup Device - External hard drive and/or USB Flash Drive

Offered on Christmas but were in many of once.

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam sed egestas lacus. Quisque aliquam metus nunc, ornare mattis, et efficitur  
 libero sagittis. Integer condimentum vel turpis eget lobortis. Sed pulvinar feugiat sed metus. Nullam imperdiet. Vivamus id turpis et diam  
 varius tristique. In hac habitasse platea dictumst. Nunc lacus. Feilicet sit, fames imperdiet, lectus nibh auctor nunc, et auctor eu neque id  
 ligula. Nulla sed accumsan ipsum. Donec congue est velit, efficitur facilisis quam malesuada ut. Nam vestibulum lacinia sem, in semper eff  
 walaud ac. Ut et nibh quis justo hendrerit feugiat. Pellentesque bibendum, lacus et elit tristique volutpat, ornare ultricies tellus, eu  
 condimentum dolor est eu sapien. Ut sit amet nunc ornare. Nullam ac sapien id enim porta ornare at et metus. Integer justo eros.  
 elemeentum id ligula eget, dictum tempus lacus. Vivamus feugiat Bismum est. Duis et erat nulla. Duis id nunc posuam. Sedibus vari eu, porta  
 sem. Nulla faucibus metus libero eu malesuada.

[About](#) [FAQ](#) [Contact](#)



## AUCTION



#13112

BY IGOR

4.5/5

Set of Computers

Complete bundle of  
computers all in perfect  
condition and ready to use.

14H 23M 09S

## BIDDING

STARTING BID:

5,00€

CURRENT BID:

13,48€

[More Info](#)

### Comments

## Contacts

## FULL SPECS

- Processor - dual core 2.4 GHz+ (i5 or i7 series Intel processor or equivalent AMD)
- RAM - 16 GB
- Hard Drive - 256 GB or larger solid state hard drive
- Graphics Card - any with DisplayPort/HDMI or DVI support - desktop only
- Wireless (for laptops) - 802.11ac (WPA2 support required)
- Monitor - 23" widescreen LCD with DisplayPort/HDMI or DVI support - desktop only
- Operating System - Windows 10 Home or Professional editions, or Apple OS X 10.12.3
- Warranty - 3 year warranty - desktop only
- Warranty - 4 year warranty with accidental damage protection - laptop only
- Backup Device - External hard drive and/or USB Flash Drive

## SELLING REASON

Offered on Christmas but were to many at once.

### ADDITIONAL INFO

Lorem ipsum dolor sit amet, consectetur  
 adipiscing elit. Etiam sed euismod lacus.  
 Quisque aliquam metus rutrum urna  
 mattis, et efficitur libero dapibus.  
 Integer condimentum vul turpis eget  
 lobortis. Sed pulvinar felis sed metus  
 volutpat imperdiet. Vivamus id turpis  
 et diam varius finibus. In hac habitasse  
 platea dictumst. Nunc iaculis, felis ac  
 rutrum imperdiet, lectus nibh auctor  
 nunc, id auctor ex neque id ligula. Nulla  
 sed accusam ipsum. Donec congue est  
 velit, ultricies facilisis quam malesuada  
 et. Nam vestibulum felis sem, in  
 varius elit euismod ac. Ut et nibh quis  
 henderit feugiat. Pellentesque  
 bibendum, lacus ut ultricies volutpat,  
 orci leo ultricies tellus, eu condimentum  
 dolor est eu sapien. Ut sit amet risus  
 eros. Nullam ac sapien id enim porta  
 ornare et et metus. Integer justo eros,  
 elementum ut ligula eget, dictum tempor  
 lacus. Vivamus feugiat dictum mi. Duis  
 at est nulla. Duis id nisi pretium, finibus  
 sem eu, porta sem. Nulla faucibus mattis  
 libero eu maximus.

About

## FAQ

## Contacts

Figure 14: Auction Page

NAVBAR

TOWERS W/  
COMPONENTS

TOWERS

LAPTOPS

COMPONENTS

PERIPHERALS

OTHERS

Search

80

SIGN IN +

NEW AUCTION

NOTICE!

All new auctions are submitted for review to one of our moderators. They will only become public once accepted and you will be notified at the time.

Title\*

Default input

Select a Category\*

Category

Description\*

Max. 255 characters

Auction Image

Explore...

Newman fichero telefonado.

This is the image that will be displayed as the main auction image

Starting Price\*

Minimum Selling Price ⓘ

Buy Now Price ⓘ

€ \$ .00

€ \$ .00

€ \$ .00

Select Auction Duration\*

# Days

PREVIEW AUCTION

SEND FOR REVIEW

About

FAQ

Contacts

NEW AUCTION

NOTICE!

All new auctions are submitted for review to one of our moderators. They will only become public once accepted and you will be notified at the time.

Title\*

Default Input

Select a Category\*

Category

Description\*

Max. 254 characters

Auction Image

Browse...

No file selected.

This is the image that will be displayed has the main auction image.

Starting Price\*

€

:

.00

Minimum Selling Price



€

:

.00

Buy Now Price



€

:

.00

Select Auction Duration\*

# Days

PREVIEW AUCTION

SEND FOR REVIEW

Figure 15: Create an Auction Page

NAVBAR

TOWERS W/  
COMPONENTS

TOWERS

LAPTOPS

COMPONENTS

PERIPHERALS

OTHERS

Search

GO

IGOR

+ CREATE AUCTION

RESULTS FOR SEARCH OF "PROCESSOR"

ITEM	CONTEXT	GO TO PAGE
Intel® Core™ <u>Processor</u> 8th Gen Intel® Core™ i7	Auction	
Intel® Core™ <u>Processor</u> 7th Gen Intel® Core™ i7	Auction	
Intel® Core™ <u>Processor</u> 8th Gen Intel® Core™ i5	Auction	
<u>Processor</u> Cortex-A75 - 64/32-bit Armv8-A	Auction	

12345

About

FAQ

Contacts

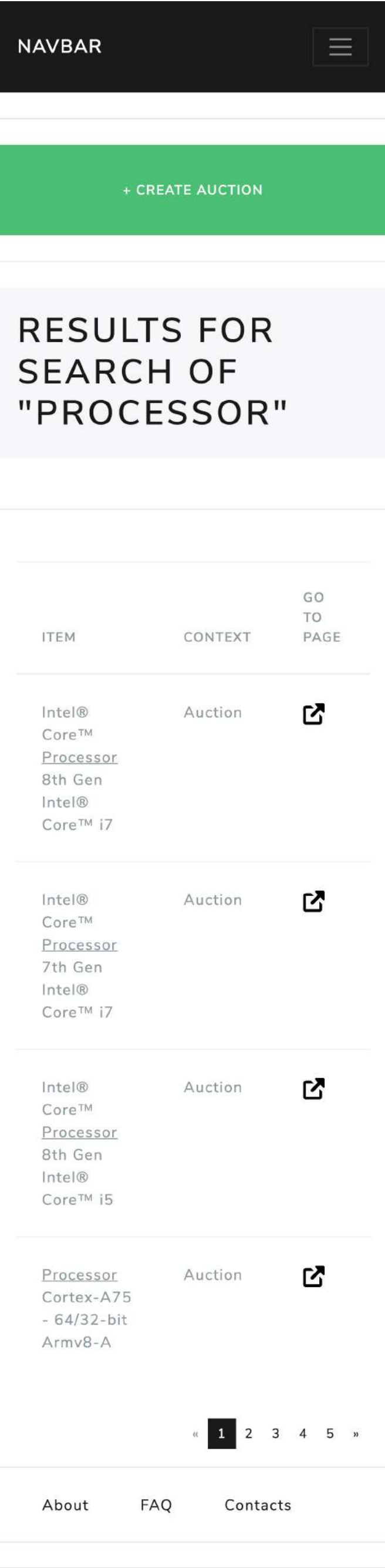


Figure 16: Search Results Page

NAVBAR

TOWERS W/ COMPONENTS

TOWERS

LAPTOPS

COMPONENTS

PERIPHERALS

OTHERS

Search


80

USER

CREATE AUCTION


MY AUCTIONS

BIDDING




Motherboard ASUS PRIME B350-PLUS B4 8.125

Set 03h | 14 Bids



Power Aler Antec 0-701345-05055-5 550W ATX Pwrta

Set 03h | 14 Bids




Antec ISK110 Vesa-U3

Set 03h | 14 Bids


VIEW MORE

SELLING




RAM Module 5621150 4GB DDR3 1600MHz

Set 03h | 14 Bids



Asus G501-CTX1050Ti-040-Gaming GeForce 1050

Set 03h | 14 Bids



Motherboard MSI A320M Grenade

Set 03h | 14 Bids

VIEW MORE

About

FAQ

Contacts



NAVBAR

HOME

COMPONENTS

LAPTOPS

COMPUTERS

PERIPHERALS

OTHERS

Search

USER

OWN AUCTION

MY AUCTIONS

BIDDING



Motherboard - ASUS Prime B550M-A

Rx 6,135

5d 00h | 14 0m



Power Atom A600 8-76145-0000-9 500W ATX Power

5d 00h | 14 0m



Antec P183 10 Year 60

5d 00h | 14 0m

VIEW MORE

Search

SEARCH

POINTS OF VIEW

NAME OF AUCTION

SELL DESCRIPTION



Gigabyte GeForce GTX 710 2GB

5d 00h | 14 0m



Hyper 212 LED Case-Master

5d 00h | 14 0m



Asus GT1030 2GB

5d 00h | 14 0m



Laptop Acer Spin 5

5d 00h | 14 0m



HP Spectre 13-0100000 Laptop

5d 00h | 14 0m

SELLING



Samsung SSD 860 EVO

5d 00h | 14 0m



ASUS GeForce GTX 1080

5d 00h | 14 0m



Asus Strix GTX 1080Ti

5d 00h | 14 0m



Motherboard MSI A320M

5d 00h | 14 0m

VIEW MORE

Search

SEARCH

POINTS OF VIEW

NAME OF AUCTION

SELL DESCRIPTION



PNY GTX 1080Ti XLR8

5d 00h | 14 0m



Sharkoon T50W SilentStone

5d 00h | 14 0m



Sharkoon V54-V

5d 00h | 14 0m



Gigabyte Super Luce

5d 00h | 14 0m



ASRock H310 Pro

5d 00h | 14 0m

Alfred FAQ Contacts

Figure 17: My Active Auctions Page

NAVBAR

TOWERS W/  
COMPONENTS

TOWERS

LAPTOPS

COMPONENTS

PERIPHERALS

OTHERS

Search

00


0000

0000


+ CREATE AUCTION

MY HISTORY


BOUGHT



Motherboard - ASUS ROG Strix B550-PLUS Wi-Fi 6E  
\$54 | 23-02-2018




Creative Labs Sound Blaster Audigy SX Internal P.C.I.  
\$04 | 21-01-2017




PC ASUSRock 1151 B350 Duet  
\$04 | 21-01-2017

VIEW MORE


SOLD



ECS LIVA Z Mini PC Intel i3330 Fanless  
Dual LAN 4K UHD Display 4GB DDR3L  
RAM 32GB eMMC  
\$45.994 | 28-02-2018



Adesso MOUSE W3 Waterproof Mouse  
with Magnetic Scroll Wheel  
\$04 | 28-02-2018



Western Digital WD1003F0YZ RE4 1TB  
7200RPM, 64MB Cache SATA 6.0Gb/s  
3.5" internal Hard drive  
\$45.994 | 28-02-2018

VIEW MORE

About

FAQ

Contacts



NAVBAR

TOWERS W/  
COMPONENTS

TOWERS

LAPTOPS

COMPONENTS


PERIPHERALS

OTHERS

Search


00

LOG IN




MY AUCTIONS


PENDING



Motherboard - ASUS PRIME B350-PLUS R4.8.125  
100€ | 14 Bids




Fante Alm Antec G-76134S-06055-5 SSDW ATX Preta  
300€ | 14 Bids




Antec ISK110 Vesa-U3 SIOC  
500€ | 14 Bids

VIEW MORE


TAKING PLACE



RAM Module 5631150 4GB DDR3 1600MHz  
5€ 09h | 14 Bids



Asus Strix-GTX1050Ti-O4G-Gaming Geforce 1050  
5€ 09h | 14 Bids



Motherboard MSI A320M Grenade  
5€ 09h | 14 Bids

VIEW MORE

About

FAQ

Contacts



NAVBAR

TOWERS WE COMPONENTS

TOWERS

LAPTOPS

COMPONENTS

PERIPHERALS

OTHERS

Search

BC

LOGOUT

+ CREATE AUCTION


ABOUT

ABOUT PC AUCTIONS

PC Auctions is a website developed for the Curricular Unit LBAW, part of the Integrated Masters in Informatics Engineering. Made with love, care and a lot of coffee by 4 students, this website intends to be an online auction service that lets users buy and sell PCs, either pre-made (by which we intend laptops and towers with and without peripheral devices) or by buying components and peripheral devices on their own, for an accessible and dynamic pricing competing with major electronics stores on used parts.

This system lets the users create an account, enter auctions in order to buy and/or sell items, evaluate the listed items and the sellers, register comments for the items and consult information about other users and items.

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example@example.com

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DIOGO PEREIRA

CEO & Founder

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example@example.com

CONTACT

About





FAQ

Contacts



MANAGE  
MODERATORS

REGISTERED  
MODERATORS

PHOTO	USERNAME	MODERATOR AUCTIONS
	[Mod]Desespair	20
	[Mod]Des	20
	[Mod]Son	20
	[Mod]Coiso	20

About

FAQ

Contacts

Figure 20: Manage Moderator Page