

ER: Requirements Specification Component

Our website aims to help customers get what they need when they need it during these troubling times with an enjoyable browsing experience.

A1: Fneuc

This project intends to specify, develop and promote an information system available through the web for the management of an online store, in which users can buy products.

We have a group of products to sell and we feel that our current physical storefront isn't enough to sell them. In addition, because of current circumstances, the physical contact required to sell our products in such a way has been heavily discouraged. Because of this, we are creating an online website to facilitate the transactions and increase the scope of potential buyers. We aim to create a platform with a responsive design, to give our users the best browsing experience available in the market, allowing users to search through various categories, filter items, search them by name or choose from a recommended list.

Users are separated into three different types: system administrators and buyers, who have to register and log into the system, and guests. The user authentication can be done with an external API or using our website's authentication system, which requires an e-mail, a username and a password.

Buyers are able to acquire products and also rate/comment on them after purchase. This means that customers are able to use different types of filtering to obtain the best-rated products in accordance with their needs. Buyers are also able to charge their account with balance before committing to a purchase. These users have a purchase history they can check, a favourite list (wishlist) they can manage and a recommended items list provided by the system based on their previous purchases and ratings. They can, at any time, set the delivery address, deposit money into their account before or during checkout using an external method, and update their credentials. Admins have full access and modification privileges, including removing ongoing sales, assign users as admins and viewing the customers' purchase history. Admins also have the ability to make discounts on selected items in stock. Guests are able to browse the catalogue but they are not allowed to make any purchase, rate or comment on any product as they need to log in first. Every user has access to an "about" page, contacts and FAQ so they can obtain information about the website and useful contacts.

The website provides a notification system that warns admins when a product goes out of stock and notifies a buyer when a wishlist item has been re-stocked or is on sale.

A2: Actors and User stories

The Fneuc shop website provides a reliable shopping service for the general public with easy access. This section contains information about the actors involved, the functionalities and requirements.

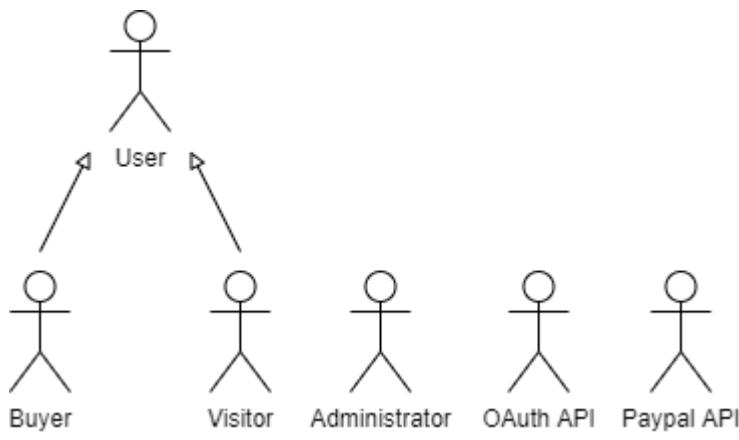


Figure 1: Actors.

1. Actors

| Identifier | Description | Example |
|---------------|--|----------|
| Guest | Unauthenticated user that can register himself or log into the website | n/a |
| User | Generic user that has access to public information | n/a |
| Authenticated | Authenticated user that can browse items, make purchases, add items to their favourites list, charge their account's balance and rate and comment item posts | Ibaw2021 |
| Administrator | Authenticated user that can browse items, add/remove/edit items, manage comments and users, create new administrator accounts | Ibaw2021 |
| OAuth API | External API that is used to register or log in a user | Google |
| Paypal API | Paypal API used for money transactions | Paypal |

2. User Stories

This section contains the user stories that will be considered during development.

2.1 User

| Identifier | Name | Priority | Description |
|------------|-------------------|----------|---|
| US01 | Access Home | high | As a <i>User</i> , I want to access the website's homepage, so that I can know its general-purpose |
| US02 | Access About Page | high | As a <i>User</i> , I want to access the 'About' page, so that I can see a complete and detailed description of the website |
| US03 | See Contacts | high | As a <i>User</i> , I want to consult the website's contacts, so that I know how to contact the team if needed |
| US04 | Search items | high | As a <i>User</i> , I want to search for an item's name, so that I can get more information about it |
| US05 | Filter items | high | As a <i>User</i> , I want to filter for public information, like categories, items and prices, so that I can be informed about the platform's content |
| US06 | View items | high | As a <i>User</i> , I want to view all the items, so that I can see all the products available |
| US07 | Delete account | medium | As a <i>User</i> , I want to be able to delete my account, so that I can remove my account from the system |

2.2 Visitor

| Identifier | Name | Priority | Description |
|------------|----------------------------|----------|---|
| US11 | Sign-up | high | As a <i>Visitor</i> , I want to be able to create a new account so that I'm able to authenticate myself |
| US12 | Sign-in | high | As a <i>Visitor</i> , I want to be able to authenticate myself so that I'm able to buy products |
| US13 | Administrator Sign-in | high | As a <i>Visitor</i> , I want to be able to sign-in as an administrator if I'm permitted to do so |
| US14 | Sign-up using external API | low | As a <i>Visitor</i> , I want to be able to create a new account using my existent Google account |
| US15 | Sign-in using external API | low | As a <i>Visitor</i> , I want to be able to sign-in using my Google account |

2.3 Authenticated

| Identifier | Name | Priority | Description |
|-------------------|------------------------------|-----------------|--|
| US21 | View purchase history | high | As an <i>Authenticated</i> , I want to see my purchasing history, so that I can see the products I have bought |
| US23 | Rate item | high | As an <i>Authenticated</i> , I would like to attribute a score to an item, so that other users can know my basic opinion of the item |
| US24 | Comment item | high | As an <i>Authenticated</i> , I would like to attach a comment to an item, so that other users can know my more complete opinion of the item |
| US25 | Remove comment | high | As an <i>Authenticated</i> , I want to be able to be able to delete my own comments so that I'm able to remove comments that I don't find useful |
| US26 | Add to cart | high | As an <i>Authenticated</i> , I want to add an item to my cart, so that I am able to purchase it |
| US27 | Remove from cart | high | As an <i>Authenticated</i> , I want to remove an item from my cart, so that I can reconsider my purchase before I finalize it |
| US28 | Checkout cart | high | As an <i>Authenticated</i> , I want to checkout my cart, so that I can purchase the items I want |
| US29 | Logout | high | As an <i>Authenticated</i> , I want to be able to log out from my account, so that I can exit my account |
| US210 | Edit profile | high | As an <i>Authenticated</i> , I want to be able to edit my profile so that I can keep it up to date |
| US211 | Recharge account balance | high | As an <i>Authenticated</i> , I want to be able to recharge my account balance, so that I can make more purchases |
| US212 | View product recommendations | medium | As an <i>Authenticated</i> , I would like to have a list of recommended items according to my history of products, so that I can easily find products that may be of my interest |
| US213 | View notifications | medium | As an <i>Authenticated</i> , I would like to have notifications when my comment is answered, a product in my wishlist is restocked or put on sale, so that I can be on time to make the best purchases |

| Identifier | Name | Priority | Description |
|-------------------|-----------------------|-----------------|---|
| US214 | View wish list | medium | As an <i>Authenticated</i> , I want to see my wish list, so that I can decide if I want to purchase the items in it |
| US215 | Add to wish list | medium | As an <i>Authenticated</i> , I want to add items to my wish list, so that I can purchase them easily in the future |
| US216 | Remove from wish list | medium | As an <i>Authenticated</i> , I want to remove an item from my wish list, so that I can forget the item |

2.4 Administrator

| Identifier | Name | Priority | Description |
|-------------------|---|-----------------|--|
| US31 | Create items | high | As an <i>Administrator</i> , I want to create item listings, so that I can sell new items |
| US32 | Remove items | high | As an <i>Administrator</i> , I want to remove item listings, so that I can prevent users from buying certain items |
| US33 | Edit items | high | As an <i>Administrator</i> , I want to edit item listings, so that I change the items I am selling |
| US34 | Create admin accounts | high | As an <i>Administrator</i> , I want to create administrator accounts, so that others can have administrator permissions |
| US35 | Remove comments | high | As an <i>Administrator</i> , I want to remove comments, so that I can filter inappropriate language |
| US36 | View notifications of items without stock | high | As an <i>Administrator</i> , I want to have a notification alert me when an item is out of stock, so that I can re-stock them as soon as possible |
| US37 | Logout | high | As an <i>Administrator</i> , I want to be able to log out from my account, so that I can exit my account |
| US38 | Put item on sale | medium | As an <i>Administrator</i> , I want to have the ability to put items on sale, so that I can get attract uses to buy products that are not selling as well |
| US39 | View statistics of sold items | medium | As an <i>Administrator</i> , I want to have easy access to statistics of items filtered by different categories of users, so that I can have a better overview of what items sell better |
| US310 | Ban user accounts | medium | As an <i>Administrator</i> , I want to be able to ban users, so that I'm able to remove problematic users |
| US311 | Unban user accounts | medium | As an <i>Administrator</i> , I want to be able to unban users, so that I'm able to forgive certain users or correct a mistake I have made |
| US312 | View users profile | medium | As an <i>Administrator</i> , I want to be able to view all users profile, so that I can get check their information |
| US313 | View users buy history | low | As an <i>Administrator</i> , I want to be able to view customer's purchase history, so that I can get a better understanding of what users look for the most |

3. Supplementary Requirements

In this annex are presented the project's business rules, technical requirements and restrictions.

3.1. Business rules

| Identifier | Name | Description |
|-------------------|--|--|
| BR01 | Out of stock | A user can only buy an amount of an item lower or equal to its amount in stock |
| BR02 | Account balance check | A user can only purchase an item if they have enough money in the account to buy it |
| BR03 | Account deletion | When an account is deleted only his profile and cart are deleted, his rating, comments and purchase history are kept in the system |
| BR04 | Decreasing stock | The item's stock is decreased when an authenticated user (Buyer) adds the item to his/her's shopping cart |
| BR05 | Removing from shopping cart | If an authenticated hasn't bought an item that is in his/her's shopping cart for two days the item is removed from the cart (checkout_date <= date_added_to_cart + 2 days) |
| BR06 | Checkout with discounts applied | If an authenticated adds items with a discount to the cart, the discount will only be applied if it is still valid when doing the checkout |
| BR07 | Adding to stock when removed from cart | If an authenticated removes an items from his/her's cart, the items are put back in stock |
| BR08 | Removing money from an account | If an authenticated checks out, only then is the money removed from his/her's account |

3.2. Technical requirements

| Identifier | Name | Description |
|-------------|-----------------|--|
| TR01 | Availability | The system must be available most of the time everyday |
| TR02 | Accessibility | The system must be accessible for all users regardless of the used browser or physical limitations |
| TR03 | Usability | The platform should be of easy use and navigation |
| TR04 | Performance | The system should be as fast as possible to maximize user's experience |
| TR05 | Web application | The system should be implemented as a Web application with dynamic pages (HTML5, JavaScript, CSS3 and PHP) |
| TR06 | Portability | The server-side system should work across multiple platforms (Linux, Mac OS, Windows, etc.) |
| TR07 | Database | The system must use database management through PostgreSQL 9.4 |
| TR08 | Security | The system must use authentication, verification and secure payment systems to protect information from unauthorised access |
| TR09 | Robustness | The system must be able to handle and prevent errors |
| TR10 | Scalability | The system must be able to handle growth of users, actions and items. |
| TR11 | Ethics | The system must respect the ethical principles in software development (for example, the password must be stored encrypted to ensure that only the owner knows it) |

We consider that three of these requirements are more important and critical to the system. These requirements are TR05, TR07, and TR08.

We decided to choose TR03 because making a web application that is intuitive and easy to work with is very important.

TR05 is also one of the most important due to the fact that these technologies are imperative to the correct operation of our online shop.

TR08 is a major focus for us aswell because everything we do, we must do it safely. We want to provide a platform that is safe for all our users.

3.3. Restrictions

| Identifier | Name | Description |
|------------|----------|--|
| C01 | Deadline | The system should be ready to be used at the end of the semester |

A3: User Interface Prototype

This section intends to preview the user interface of the Fneuc website. We intend to show how you can get from one page to another and also the main elements of each page.

1. Interface and common features

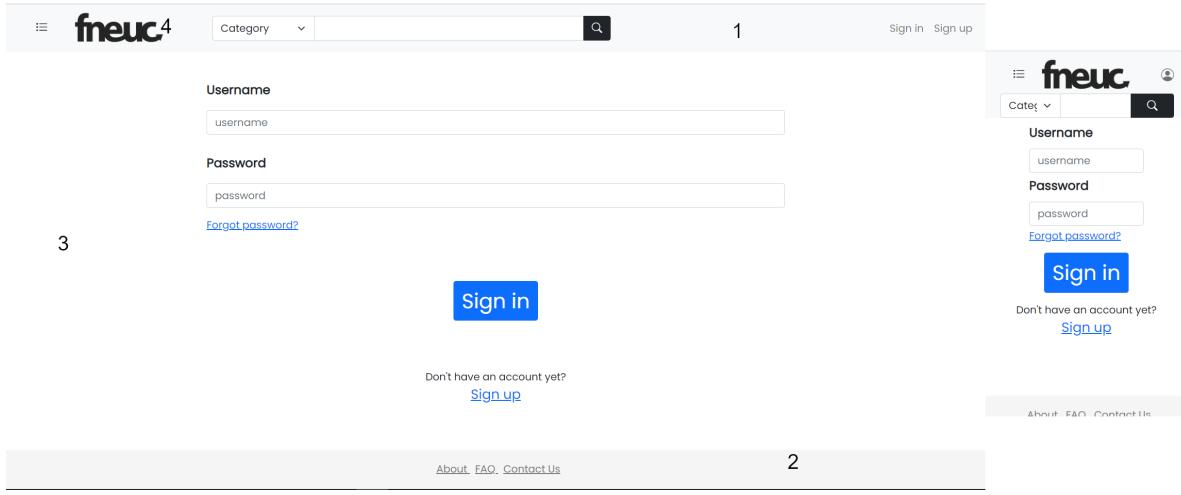


Figure 1: Common interface features

1. Navigation bar
2. Footer
3. Page Content
4. Company logo

In this figure some common characteristics are highlighted such as:

- The web site present a responsive design which supports many screen sizes, from mobile to laptop.
- Common links, mainly the navigation bar and footer maintain their location when moving from page to page.
- Visual feedback when something is clickable, such as change of color on buttons or images zooming into them.

2. Sitemap

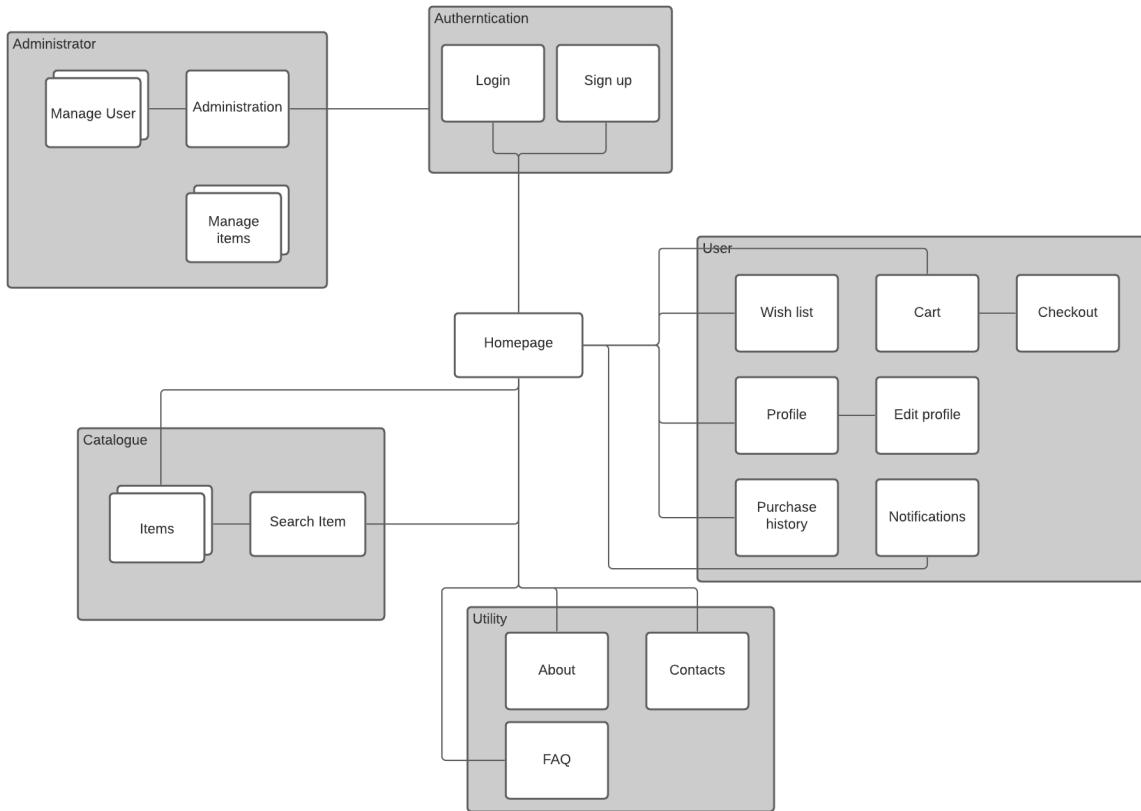


Figure 2: Sitemap.

3. Wireflows

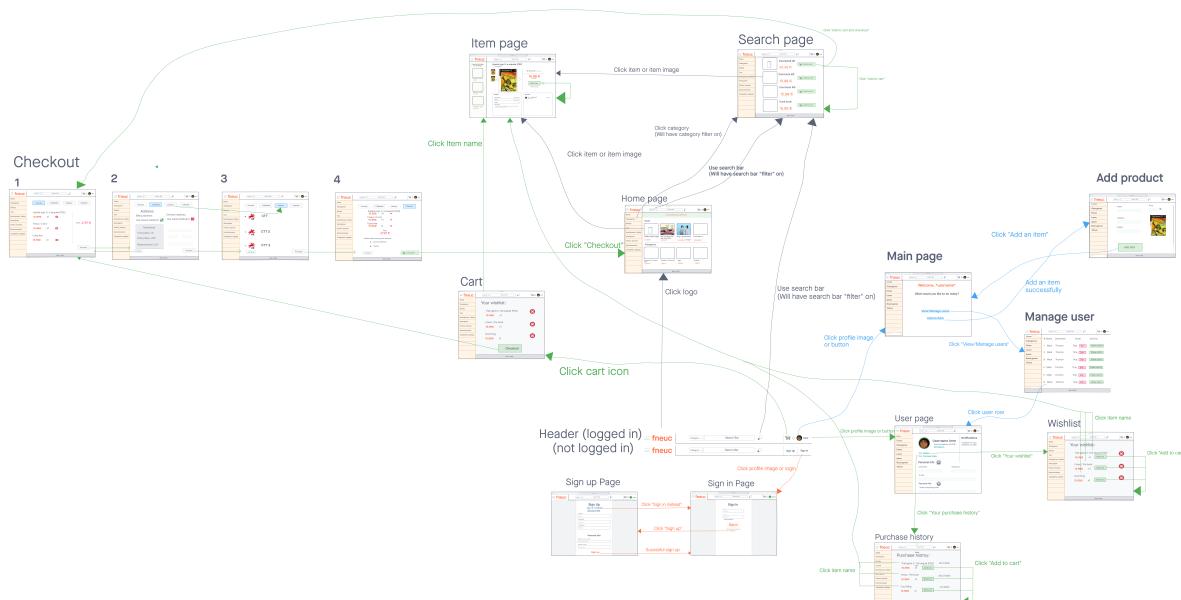


Figure 3: Main Wireflow

This is the wireflow for the main features of our website. The wireflow presents how the different users utilize our website. The user's flow is represented by a grey arrow, the authenticated users is represented by a green arrow, a guest is represented by an orange arrow and finally the admins are represented by a blue arrow. The wireflow for each individual one is presented below.

Footer



Figure 4: Footer Wireflow

The footer allows the user to visit some pages that are not related to buying product but might prove useful.

Administration

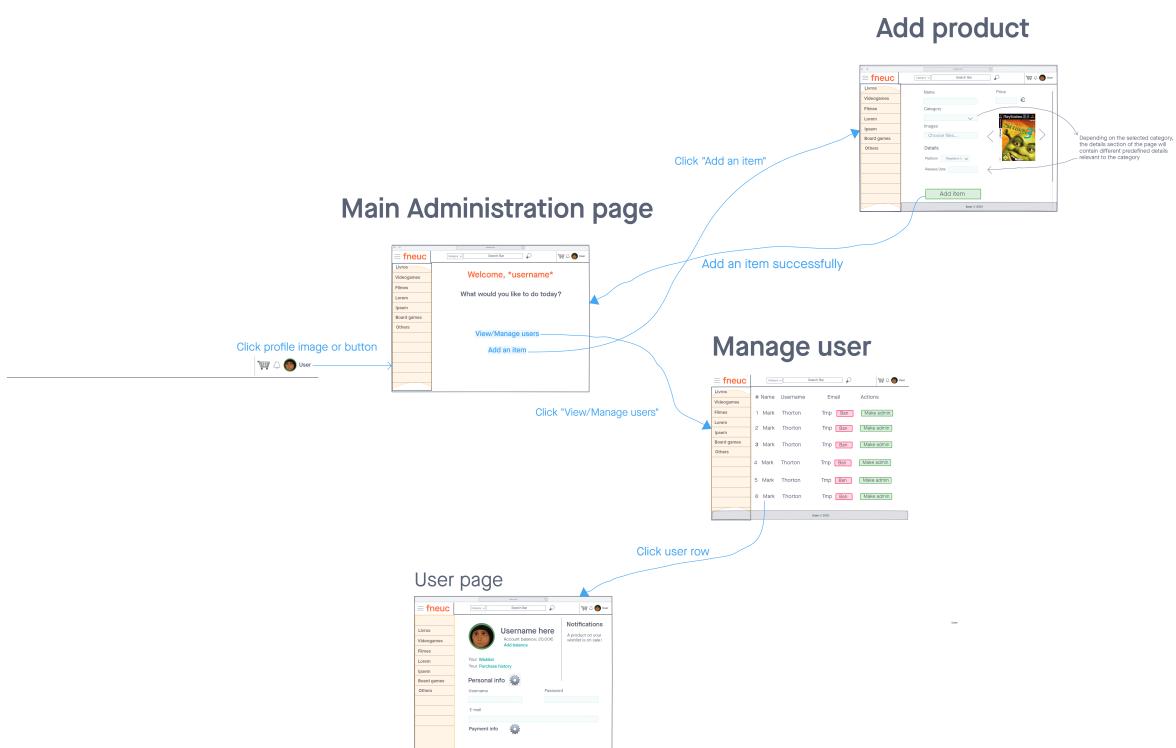


Figure 5: Administration Wireflow

This area allows administrators to manage items and users.

Buying an item ■

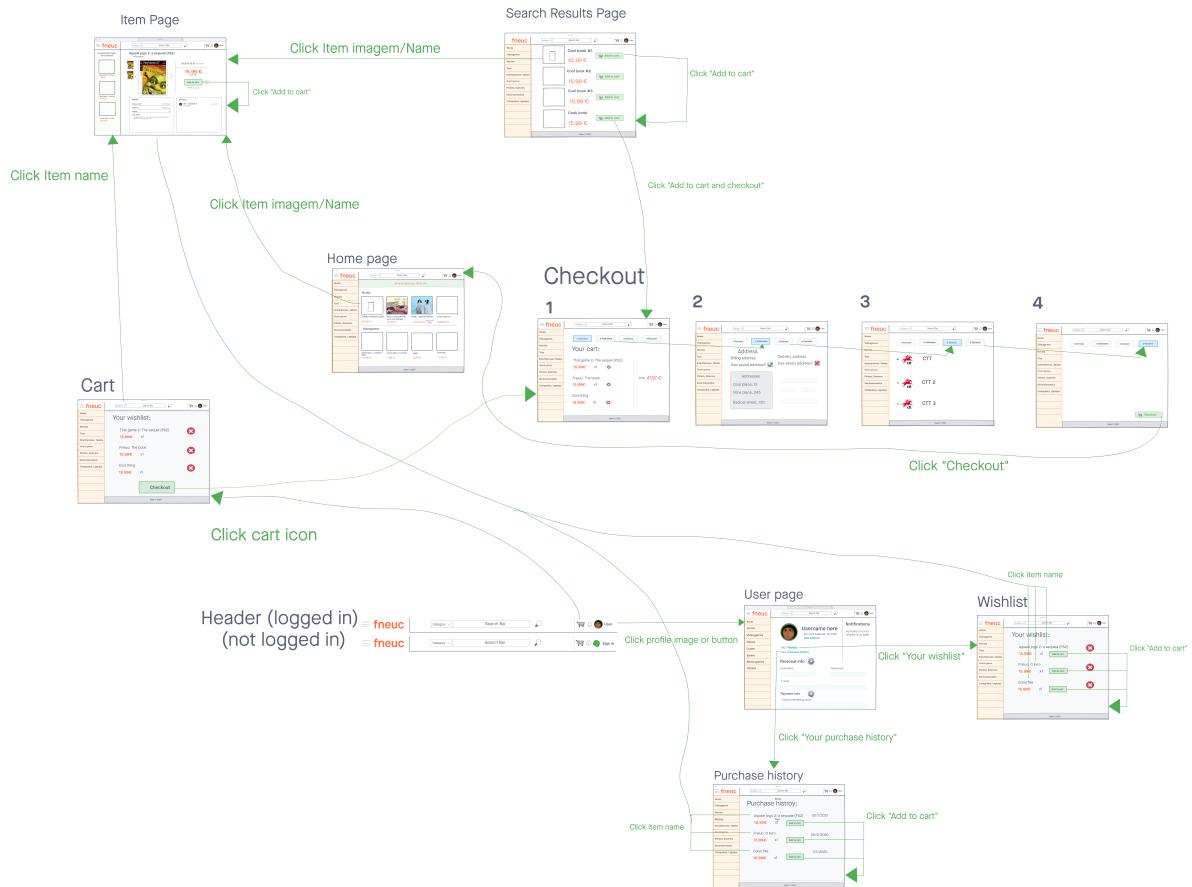


Figure 6: Buying an item Wireflow

This wireflow shows the different ways a user can buy an item.

Common user actions ■

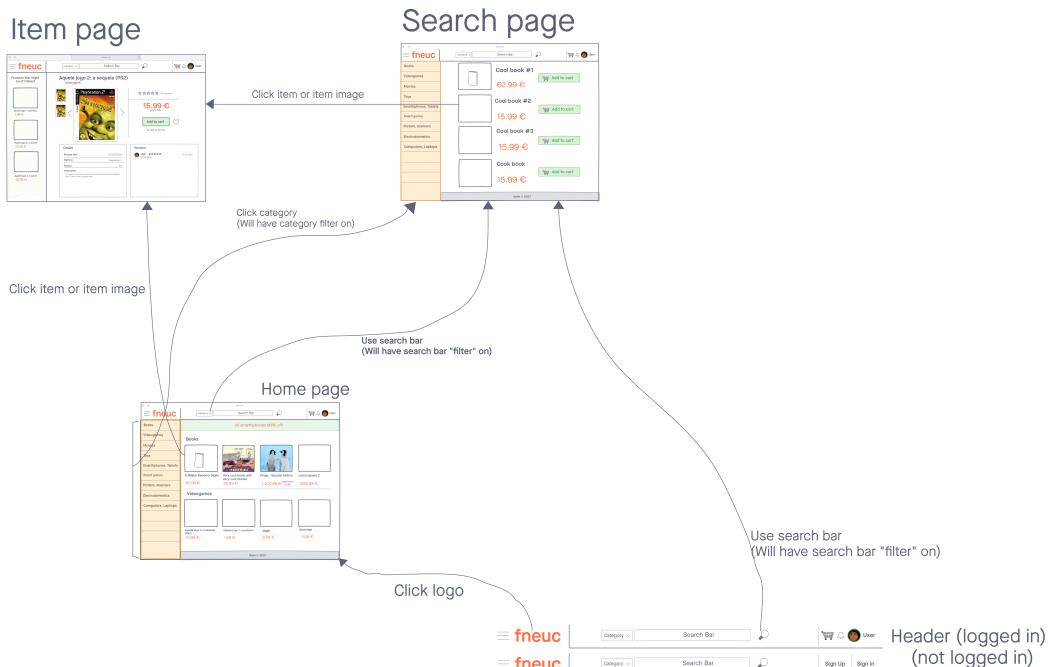


Figure 7: Common Actions Wireflow

This wireflow demonstrates the actions that all the users can do whether they are an unauthenticated user/authenticated user/administrator.

Sign in/Sign up

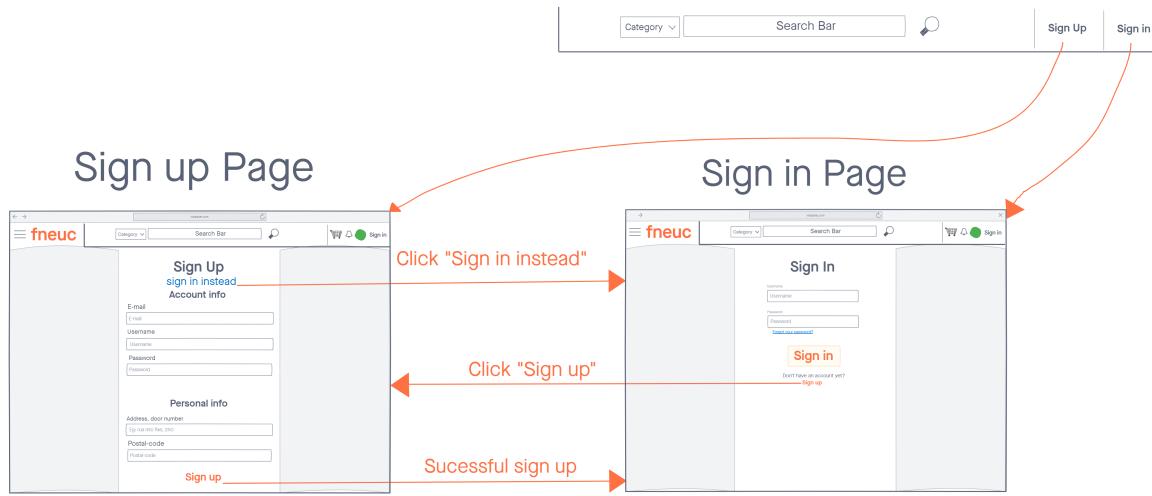


Figure 8: Sign in/Sign up Wireflow

These pages allow users to sign in/sign up.

[Link to Invision](#)

4. Interfaces

UI01: Homepage

The screenshot shows the homepage of the fneuc website. On the left, there's a vertical sidebar with a navigation menu containing links to 'Computers', 'Books', 'Televisions', 'DVDs', 'Computer Games', 'MP4', 'Disk Readers', 'Pens', 'Headphones', 'Speakers', and 'School Material'. The main content area features a banner at the top with the text 'fneuc SUGERE DESCOBRE O TEU PRÓXIMO LIVRO' and an image of a woman reading a book. To the right of the banner is a promotional message 'PORTES GRÁTIS EM LIVROS Compras >15€'. Below the banner, there's a heading 'Computers' followed by four product cards: 'Asus Computer' (300€), 'iMac 27-Inch' (1000€), 'Lenovo Chromebook' (250€), and 'Alarco Gaming Pc' (1500€). Each card includes an image of the product.

This screenshot shows another view of the fneuc homepage. It features a dark header with the 'fneuc' logo and a search bar. Below the header, there's a banner with the text 'DESCOBRE O TEU PRÓXIMO LIVRO' and an image of a woman reading. To the right of the banner is a promotional message 'PORTES GRÁTIS EM LIVROS Compras >15€'. The main content area below the banner includes a heading 'Phones' and a section for 'Computers' with the same four products as the previous screenshot.

Computers



Asus Com...

300€



iMac 27-In...

1000€

Figure 9: Homepage

[Homepage](#)

Site's main page. Presents the user with a list of good selling products for unauthenticated users and recommended items to authenticated users.

UI02: About

The screenshot shows the fneuc website. At the top, there is a dark navigation bar with the fneuc logo, a search bar, and links for 'Sign in' and 'Sign up'. Below the header, the main content area has a light gray background. The title 'About us' is centered at the top of this section. Below the title, there is a paragraph of text explaining the purpose of the website. At the bottom of the content area, there is a horizontal navigation bar with links for 'About', 'FAQ', and 'Contact Us'. The header below the navigation bar is dark with the fneuc logo, a search bar, and a category dropdown.

About us

Fneuc is a website created during the 2021's pandemic. We created this website in order to help our customers during those arduous times. Our aim is to provide our in shop service but in an online platform. This way our customers can still enjoy the products we provided before the lockdown while staying at

Figure 10: About

About

Page with a short description about how the site came to be.

UI03: FAQ

The figure displays two views of a website's FAQ section. The top view is the desktop version, featuring a dark header with the 'fneuc' logo, a search bar, and navigation links for 'Sign in' and 'Sign up'. Below the header, the word 'FAQ' is centered above a list of questions. Each question is enclosed in a box with a blue header and a light gray body. The first question, 'Q1 - How do I find a product?', is expanded, revealing an answer about navigating the site's categories and searching. The other two questions, 'Q2 - How do I purchase a product?' and 'Q3 - How do I cancel an order?', are collapsed, showing only their question text. At the bottom of the page is a light-colored footer bar with links for 'About', 'FAQ', and 'Contact Us'. The bottom view shows the same content but in a mobile-friendly layout, with the 'fneuc' logo, a 'Categories' dropdown, and a search bar on the left, and the 'FAQ' title centered below them.

FAQ

Q1 - How do I find a product? ^

A - You can click in one of the sections on the left side of this page to view the different product categories of our website. There, you can search for a product you'd like, by name or by using a filter.

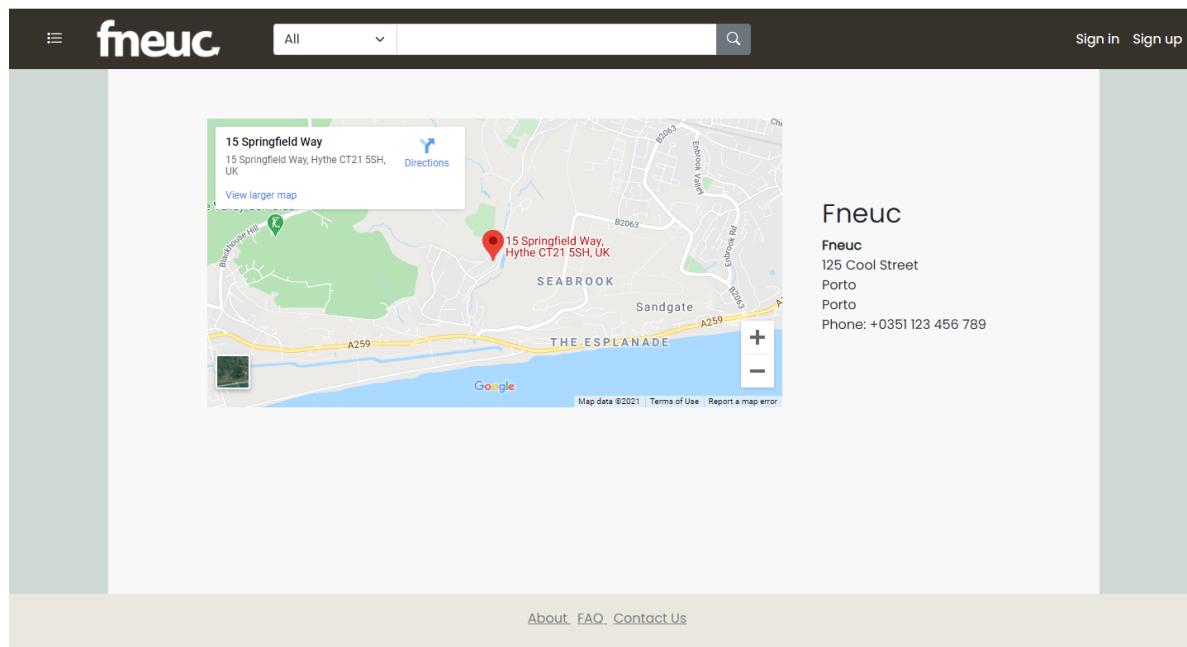
Q2 - How do I purchase a product? ✓

Figure 11: FAQ

FAQ

Frequently asked questions about our site/products.

UI04: Contacts



The screenshot shows the fneuc website's contact page. At the top, there is a navigation bar with the fneuc logo, a search bar, and links for "Sign in" and "Sign up". Below the navigation bar is a map of Hythe, UK, showing the location of 15 Springfield Way. A callout box on the map provides the address and a "View larger map" link. To the right of the map, the fneuc contact information is listed: "Fneuc", "125 Cool Street", "Porto", "Porto", and "Phone: +0351 123 456 789". At the bottom of the page are links for "About", "FAQ", and "Contact Us".



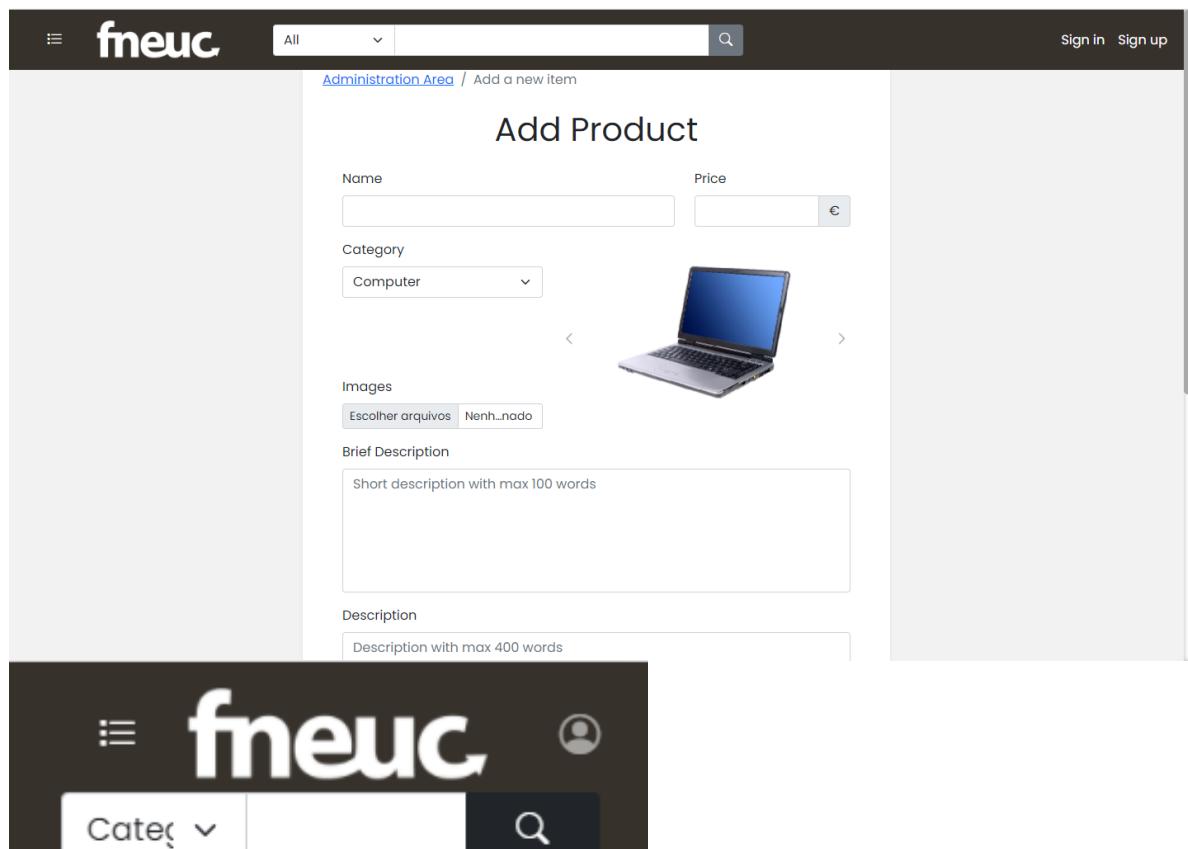
This close-up view focuses on the map and contact details. It shows the same map of Hythe, UK, with the red pin marking 15 Springfield Way. The address "15 Springfield Way, Hythe CT21 5SH, UK" is displayed in red text. Below the map, the fneuc contact information is repeated: "Fneuc", "125 Cool Street", "Porto", "Porto", and "Phone: +0351 123 456 789".

Figure 10: Contacts

[Contacts](#)

Usefull contacts.

UI05: Add a new item



The screenshot shows the fneuc Administration Area with the URL [Administration Area / Add a new item](#). The page title is "Add Product". The form fields include:

- Name: Input field
- Price: Input field with a currency symbol (€) button
- Category: Select dropdown menu set to "Computer"
- Images: Buttons for "Escolher arquivos" (Select files) and "Nenh...nado" (None)
- Brief Description: Text area placeholder "Short description with max 100 words"
- Description: Text area placeholder "Description with max 400 words"

The fneuc logo and navigation bar are visible at the top.

Add Product

Name Price

Category: Computer

Images: Escolher arquivos | Nenh...nado

Brief Description: Short description with max 100 words

Description: Description with max 400 words

[Administration Area](#) / Add a new item

Add Product

Name Price

Category: Computer

Images: Escolher arquivos | Nen...ado



Figure 11: Add a new item

[Add Item](#)

Page where an admin can add new items that weren't previously available.

UI06: Admin Main page

The screenshot shows the Admin Main page of a website. At the top, there is a dark header bar with the logo "fneuc" and a search bar. Below the header, the text "Administration Area" is displayed. The main content area starts with a greeting "Hello, *user*". Below the greeting, a message says "In case you need some sort of help, here are some useful links:". Underneath this message are two blue hyperlinks: "Manage users" and "Add an item". At the bottom of the page is a footer bar containing links for "About", "FAQ", and "Contact Us".

In case you need some sort of help, here are some useful links:

[Manage users](#)

[Add an item](#)

About FAQ Contact Us

Figure 12: Admin Main page

[Admin Main page](#)

Administration's main page where an admin can select what to do.

UI07: Cart

Your cart:

| | | | |
|-----|---|---|-----------|
| 1 x |  | Lenovo Laptop Y-5634 This Lenovo laptop is the best for its price, and it won't even heat up on your lap! | 299.99 € |
| 5 x |  | Bee Movie (2007) . Barry B. Benson, a bee just graduated from college, is disillusioned at his lone career choice: making honey. | 19.99 € |
| 1 x |  | Alarco Gaming Pc This gaming computer has everything that is needed for the best gaming experience! | 1500.00 € |

Total (w/ IVA):
1898.95€

[Checkout](#)

About | FAQ | Contact Us

≡ **fneuc** Ⓜ

Category ▾

1 x 

[Lenovo Laptop Y-5634](#)

This Lenovo laptop is the best for its price, and it won't even heat up on your lap!

299.99 €



Aguardando cd...

Figure 13: Cart

[Cart](#)

Page where an authenticated user can see what he/she has in the cart and proceed to checkout.

UI08: Item

The screenshot shows the fneuc website's item details page. At the top, there is a navigation bar with a search bar and links for 'Sign in' and 'Sign up'. Below the navigation bar, a sidebar titled 'Similar Products' lists two items: 'Alarco Gaming Pc' (150€) and 'Asus Rog' (2000€). The main content area features the product 'Cyberpunk 2077: Day One Edition' for PS4. It includes a large image of the game cover, a rating of 4 stars from 102 reviews, the price of 10.99 €, and a stock status of 22 in stock. There are buttons for 'Add to cart' and 'Add to Wishlist'. Below the product image, there are tabs for 'Description', 'Details', and 'Reviews'. A footer section at the bottom of the page shows the fneuc logo and navigation links.

Cyberpunk 2077: Day One Edition



★★★★☆ 102 Reviews

10.99 €

Figure 14: Item

Item

Page where a user can see the details of an item.

UI09: Purchase History

The screenshot shows the fneuc website's purchase history page. At the top, there is a navigation bar with a search bar and links for 'Sign in' and 'Sign up'. Below the navigation bar, the page title 'Purchase History' is displayed. A message indicates 'Showing 1-2 of 2 purchases'. There are two items listed:

| Item | Price | Date |
|-------------------------|-----------|------------|
| iMac 27-inch iPhone4 | 1250.00 € | 22/02/2021 |
| Asus Computer | 300.00 € | 25/02/2021 |

Below the table, there is another message 'Showing 1-2 of 2 purchases' and a navigation bar with 'Previous', '1', and 'Next' buttons. At the bottom of the page, there are links for 'About', 'FAQ', and 'Contact Us'. The footer features the fneuc logo and navigation links for 'Category', 'Search', and 'User Profile'.

Figure 15: Purchase History

[Purchase History](#)

Page where an authenticated user can see his purchase history.

UI10: Search Results

The screenshot shows the fneuc search results page. At the top, there is a navigation bar with a search input field containing 'All' and a magnifying glass icon. To the right are 'Sign in' and 'Sign up' buttons. On the left, there is a sidebar with dropdown menus for 'Price Range', 'Categories', and 'Reviews'. The main content area displays three items:

- Asus computer**: An image of a silver laptop. Description: "This asus computer is the best for its price!". Status: "In Stock". Price: 300€. Action: "Add to cart".
- Asus Rog**: An image of a black gaming laptop with red and blue lighting. Description: "This asus rog is going to make you better at any game!". Status: "In Stock". Price: 2000€. Action: "Add to cart".
- Cyber Punk**: An image of a CD cover for the game Cyberpunk 2077. Description: "Cyber punk is a futuristic RPG that will blow you away with stuning graphics!". Status: "Out of Stock". Price: 59€. Action: "Add to cart".

At the bottom of the main content area, there is a footer with links: 'About', 'FAQ', and 'Contact Us'. Below the main content area, there is a sidebar with dropdown menus for 'Price Range', 'Categories', and 'Reviews'. The sidebar also includes a search input field with a magnifying glass icon, a 'Previous' button, a '1' button, and a 'Next' button. The '1' button is highlighted.

Showing 1-3 of 3 items

Price Range

Categories

Reviews

Showing 1-3 of 3 items

Order by Name A-Z

Asus computer

Figure 16: Search Results

Search Results

Page where a user can see the results of his search/filter.

UI11: Sign in

The image displays two versions of a sign-in page for the website fneuc.

Top Version: This version is displayed on a white background. It features a header with the fneuc logo, a search bar, and navigation links for "Sign in" and "Sign up". Below the header is a "Sign in" section containing fields for "Username" and "Password", a "Sign in" button, and a link to "Signup using Google". A note says "Don't have account? [Sign up here](#)". At the bottom, there is a footer with links to "About", "FAQ", and "Contact Us".

Bottom Version: This version is displayed on a dark background. It features a header with the fneuc logo, a search bar, and a "Category" dropdown menu. Below the header is a "Sign in" section containing fields for "Username" and "Password", a "Sign in" button, and a link to "Signup using Google". A note says "Don't have account? [Sign up here](#)". At the bottom, there is a footer with links to "About", "FAQ", and "Contact Us".

Figure 17: Sign in

[Sign in](#)

Page where a guest can sign in via his account or a google account.

UI12: Sign up

The screenshot shows the sign-up page for the fneuc website. At the top, there is a navigation bar with the fneuc logo, a search bar, and links for 'Sign in' and 'Sign up'. Below the navigation bar is a form titled 'Account info' containing fields for E-mail, First Name, Last Name, Username, Password, and Confirm Password. A green 'Sign up' button is located at the bottom of the form. At the very bottom of the page, there is a footer with links for 'About', 'FAQ', and 'Contact Us'. The main content area has a dark background with white text for the fneuc logo and navigation elements.

Account info

E-mail

First Name Last Name

Username

Password

Confirm Password

Sign up

About FAQ Contact Us

fneuc

Categ ▾

Q

Account info

E-mail

First Name

Last Name

Username

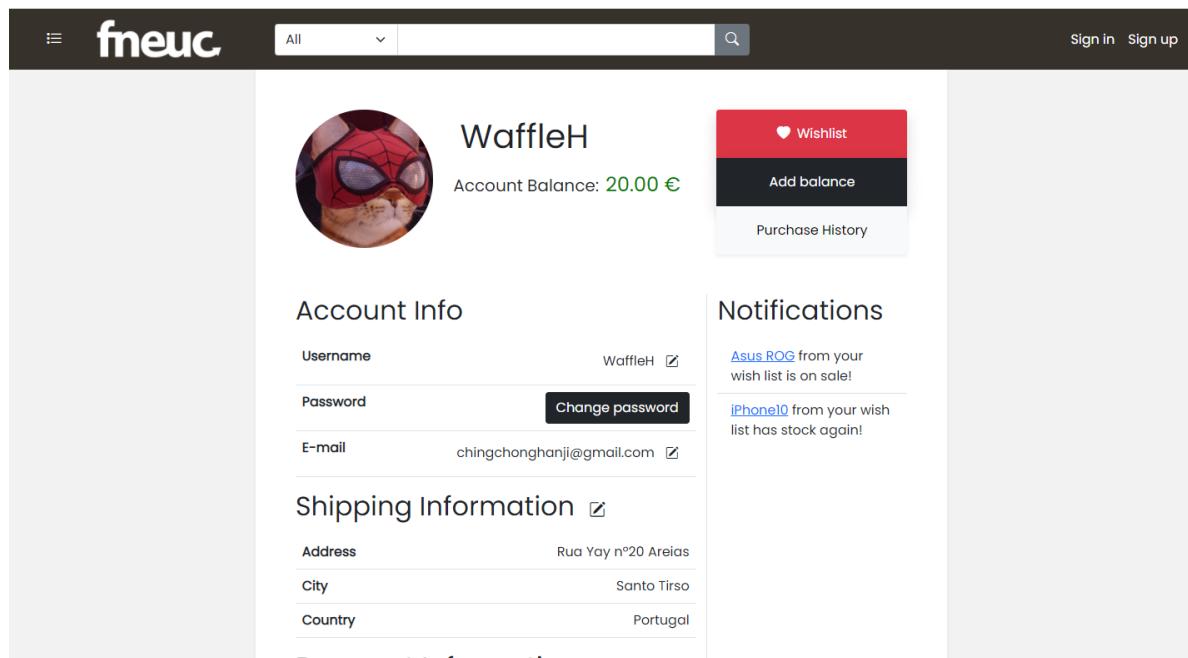
Password

Figure 18: Sign up

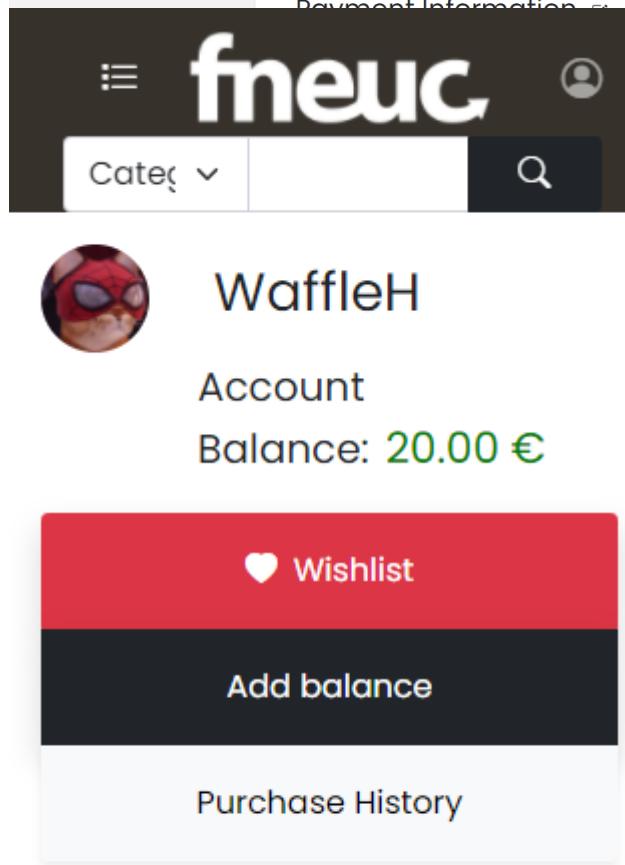
[Sign up](#)

Page where a guest can sign up.

UI13: User Profile



The screenshot shows the user profile page for 'WaffleH' on the fneuc platform. At the top, there's a navigation bar with a search bar and links for 'Sign in' and 'Sign up'. Below the header, the user's profile picture (a person in a Spider-Man mask) is displayed next to the username 'WaffleH' and an account balance of '20.00 €'. A sidebar on the right contains 'Wishlist' (with a red heart icon), 'Add balance', and 'Purchase History'. The main content area is divided into sections: 'Account Info' (username WaffleH, password field with 'Change password' link, email chingchonghanji@gmail.com), 'Shipping Information' (address Rua Yay nº20 Areias, city Santo Tirso, country Portugal), and 'Payment Information' (partially visible). On the left, a sidebar includes a navigation menu, the fneuc logo, a category dropdown, and a search bar.



The screenshot shows a simplified view of the user profile for 'WaffleH'. It features the user's profile picture, the username 'WaffleH', and the account balance 'Balance: 20.00 €'. Below this, there are three main buttons: 'Wishlist' (red background with white heart icon), 'Add balance' (black background with white text), and 'Purchase History' (white background with dark text). The rest of the interface is partially visible at the bottom.

Account Info

Username WaffleH 

Figure 19: User Profile

User Profile

Page where an authenticated user can see his details and change them.

UI14: User Administration

Select a filter ▾

| # | Name | Username | Email | Actions | |
|---|----------|---------------|-------------------------|------------------|-------------------------------|
| 1 | Mark | Otto | placeHolder@hotmail.com | Ban | Promote to Admin |
| 2 | Jacob | Thornton | placeHolder@hotmail.com | Ban | Promote to Admin |
| 3 | Larry | the Bird | placeHolder@hotmail.com | Ban | Promote to Admin |
| 4 | Henrique | Padoru | placeHolder@hotmail.com | Ban | Promote to Admin |
| 5 | Davide | WaffleH | placeHolder@hotmail.com | Ban | Promote to Admin |
| 6 | Diogo | Ferno | placeHolder@hotmail.com | Ban | Promote to Admin |
| 7 | João | Chalche | placeHolder@hotmail.com | Ban | Promote to Admin |
| 8 | João | IraoDasForcas | placeHolder@hotmail.com | Ban | Promote to Admin |
| 9 | Eduardo | Chequelo | placeHolder@hotmail.com | Ban | Promote to Admin |

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


[Administration Area](#)

/ [Manage Users](#)

Select a filter ▾

| Name | Username | Actions |
|-------|----------|----------------------------------|
| Mark | Otto | X + |
| Jacob | Thornton | X + |
| Larry | the Bird | X + |

Figure 20: User Administration

User Administration

Page where an admin can manage users(ban them or promote them to admin).

UI15: Wishlist

The image shows two screenshots of a web application. The top screenshot is titled "User Administration" and shows a navigation bar with "User Profile / Wishlist". It displays three items: "Asus computer" (300€), "Asus Rog" (2000€), and "Cyber Punk" (59€). The bottom screenshot is titled "Wishlist" and shows a navigation bar with "User Profile / Wishlist". It displays three items: "Asus computer" (300€), "Asus Rog" (2000€), and "Cyber Punk" (59€). The "Asus computer" item is highlighted.

User Administration

Showing 1-3 of 3 items

Asus computer × 300€
This asus computer is the best for it's price!
In Stock

Asus Rog × 2000€
This asus rog is going to make you better at any game!
In Stock

Cyber Punk × 59€
Cyber punk is a futuristic RPG that will blow you away with stuning graphics!
Out of Stock

Wishlist

Showing 1-3 of 3 items

Asus computer × 300€
This asus computer is the best for it's price!

Figure 21: Wishlist

Wishlist

Page where an authenticated user can see and manage his wishlist.

Revision history

Changes made to the first submission:

1. Item 1
 2. ...
-

GROUP2111, 9/03/2021

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