ESHOP SOFTWARE 4 EVER - DOCUMENTATION

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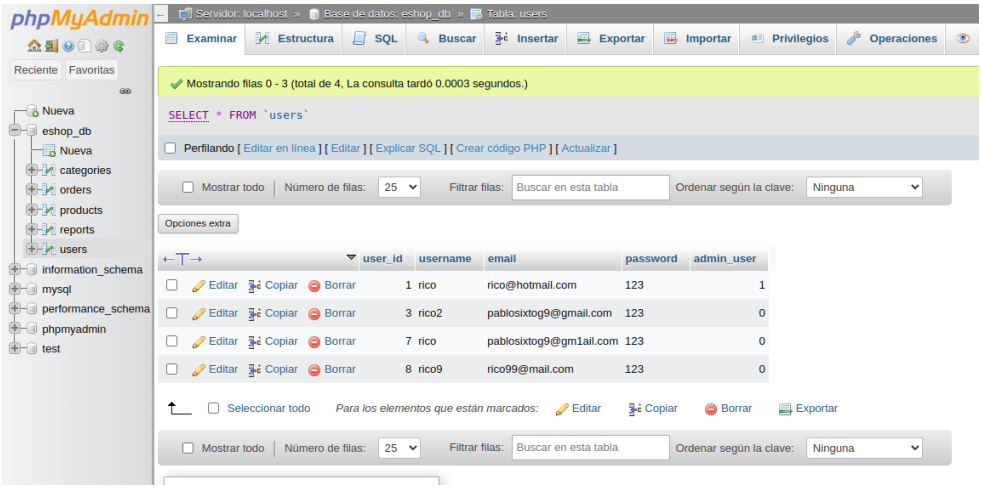
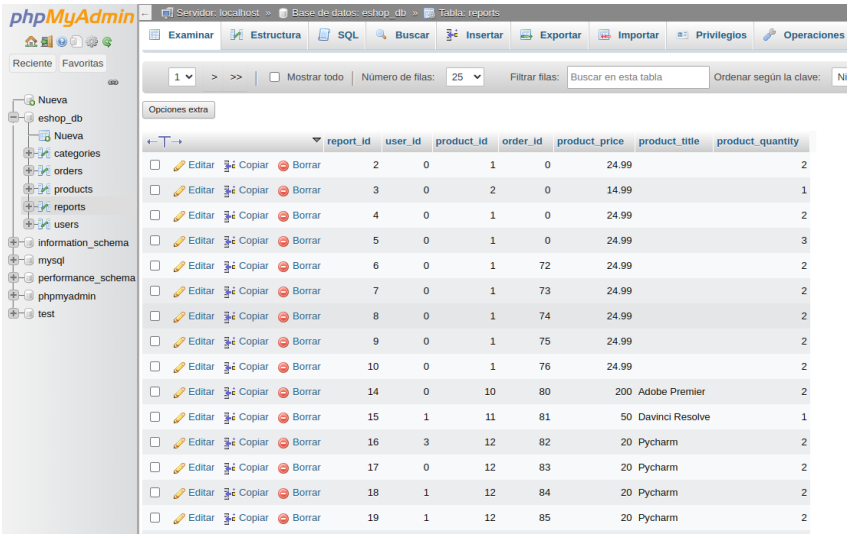
Github (https://github.com/psixto/eshop/tree/master)

1. Styles:
   I used Bootstrap “https://startbootstrap.com/templates/ecommerce” which is a basic HTML online store homepage template for electronic shops. This technology is reflected in the CSS of the source code.

2. Database:
   Implemented in MySql and managed with the web application phpMyadmin.
   The eshop_db is divided into 5 tables. remarkable information:
   - In the user table we can differentiate between admin and normal user by the admin_user field. 1 for admin 0 for normal users.
     username: rico | passwd: 123 (Admin)
     username: rico2 | passwd: 123 (Normal user)



   - In the reports table, that means the products purchased in eshop associated with an user and an order. In the user_id field is shown ‘0’ if the report was made with an authenticated account whether admin or normal user, if it's done by one of these its respective user_id is shown.



- The categories table is for the different product categories in the eshop.
- The orders table reflects the different transactions when a purchase is done. Most of the parameters are the same except the order_id because I mainly tested this functionality with the same values.
- The products table is for the different products in the eshop. Each one is associated with only one category.

3. Source code structure:

The source code is divided into two parts, with root directory ‘’ /eshop/ ‘ .

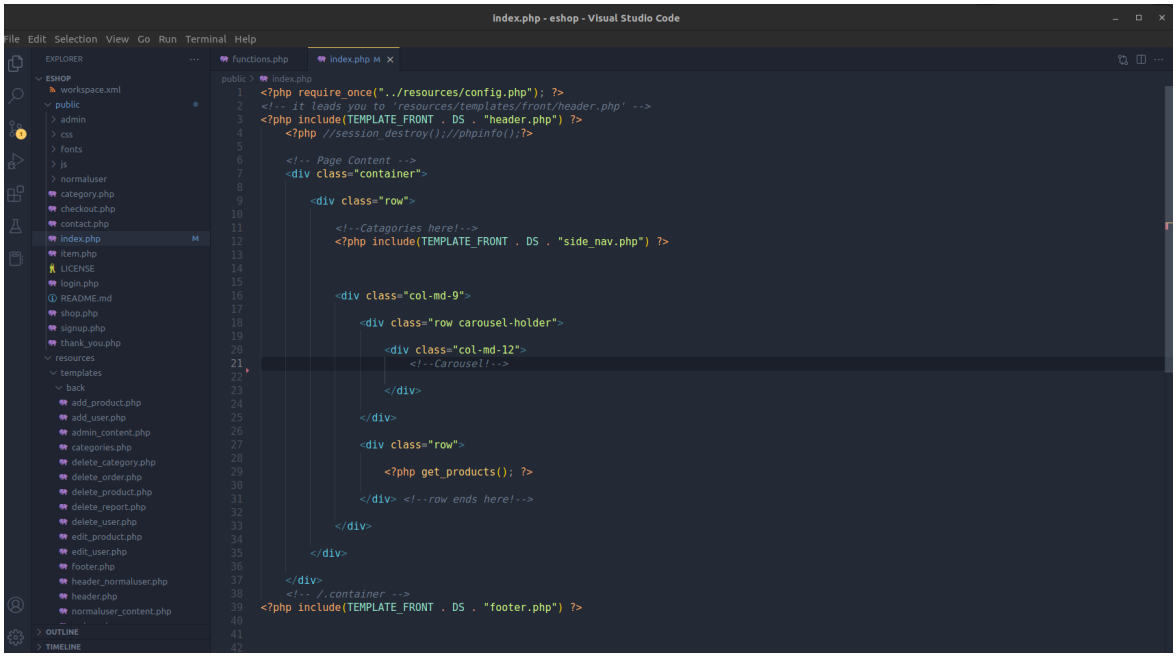
- Resources:
  Here we have the backbone php scripts. **config.php** with the basic configuration code related with the database and behavior of the app used along the source code. The **functions.php** where we handle the most important functions for both frontend and backend. And **cart.php** where we implement the functions related with checkout (shopping cart) and the paypal 3rd parties payment functionality.

  Then we have templates for the frontend directory functionalities and the same for the backend with its individual functionalities and pages. In the latter is available the code for admin or normaluser backend functions.

  In the directory uploads are saved the product's photos.

- Public:
  On this site we have all the source code related to the online aspect of the ecommerce, the pages requested by the final users. We can see all the php scripts about the different sections and subpages, like **contact.php** (via the users can send us emails) or **signup.php** to create a personal account, **index.php** is the default page. And then two directories for the normaluser and admin. These are accessed once we are logged in, each with its own **index.php**.

As we can see in the index.php the source code is programmed in a dynamic way. For example this page has linked three different templates, its header, side negation and footer. We split the different page regions in the several php scripts to improve modularity, scalability and code reuse. The only static html that we have is used as an aesthetic component.

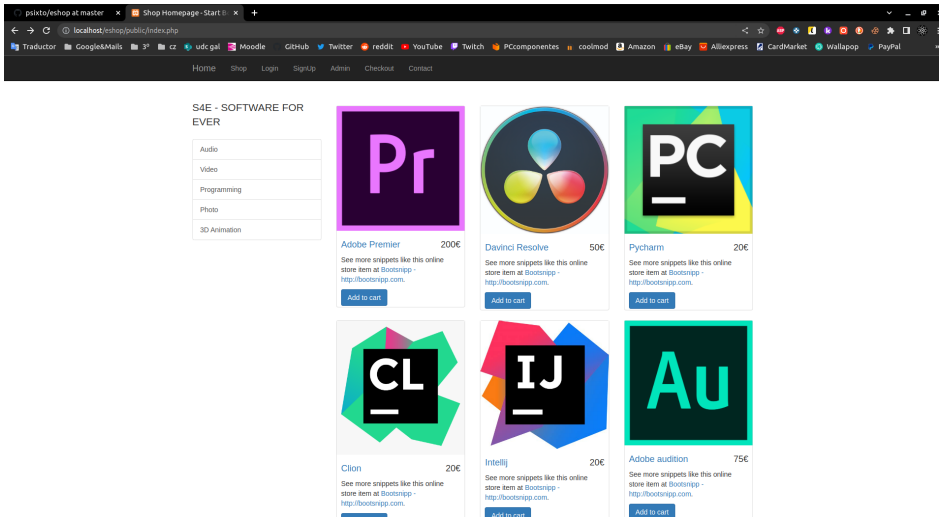


4. E-Shop page

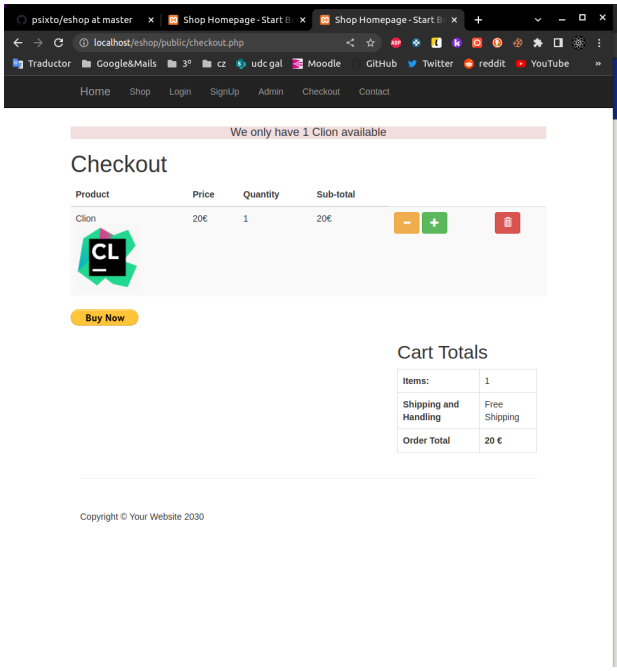
In the default view we can see that there are different elements on the board. We have a top navigator with the other pages and for the rest of functionalities.

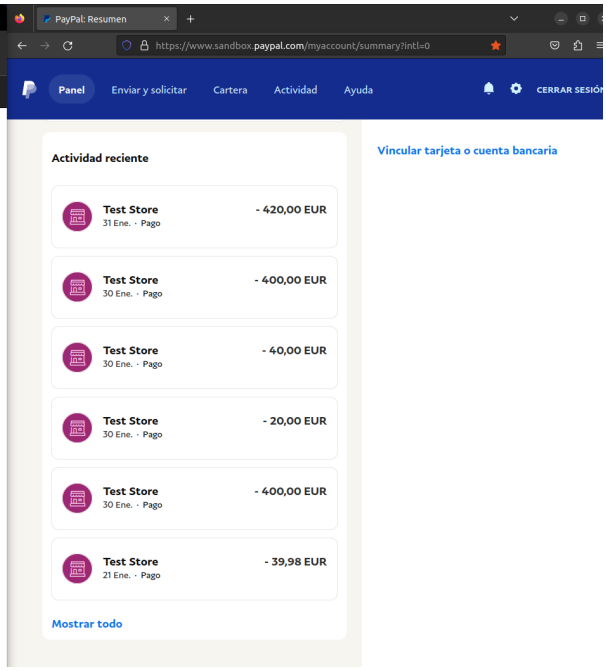
- Shop to see all the available products in the ecommerce
- Login if you have a personal account, It is a form page
- SignUp to create a new account, another form page.
- Admin only can be reachable if there is a session set, It means that you are logged in. Default page redirection when you login into or sign up.
- Check out is the shop cart
- Contract is used by users to send emails. Completely functional.

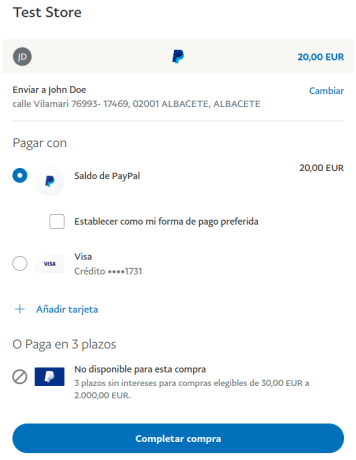
Then the categories side navigator where we can access the products related only with that category.
And the div with the different products of the site. ‘’ Add to cart ‘’ is an interactive link to the check out, a quantity of 1 of this product will be added in this session cart shopping.



The checkout section is completely dynamic and functional, also the cart totals section. The “buy now” button is implemented with the paypal developers API and is shown if we have any product to buy. I have tested it and It works properly as you can see in the next photos, but if you want to materialize a transaction which is reflected in the database you will have to introduce manually in your browser a url like this “http://localhost/eshop/public/thank_you.php?tx=34534534&amt=345&cc=EUR&st=Completed”

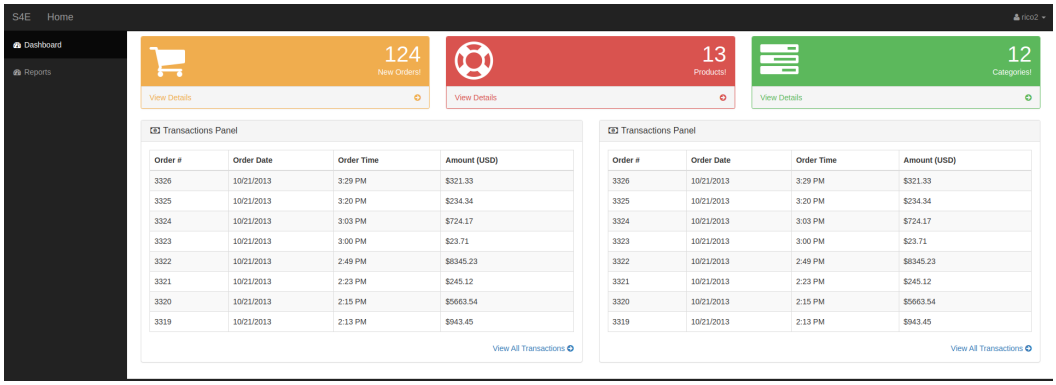


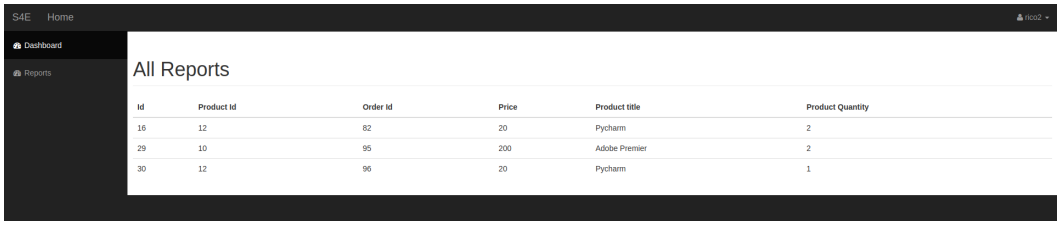




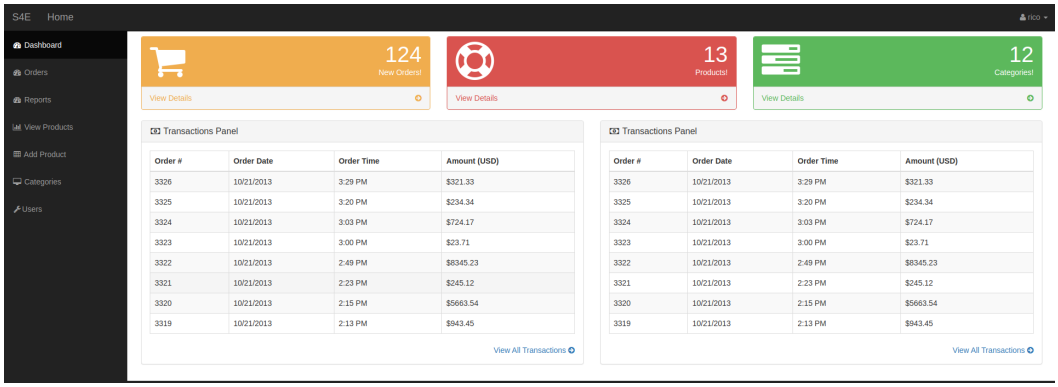
Once we are logged in we can see the difference of the dashboard between a normal user and an admin in the side navigator section. The normal user only has access to its personal reports, associated with the field ‘user_id’, while the admin can access all the different administration sections and in the reports page can edit and see all the page reports.

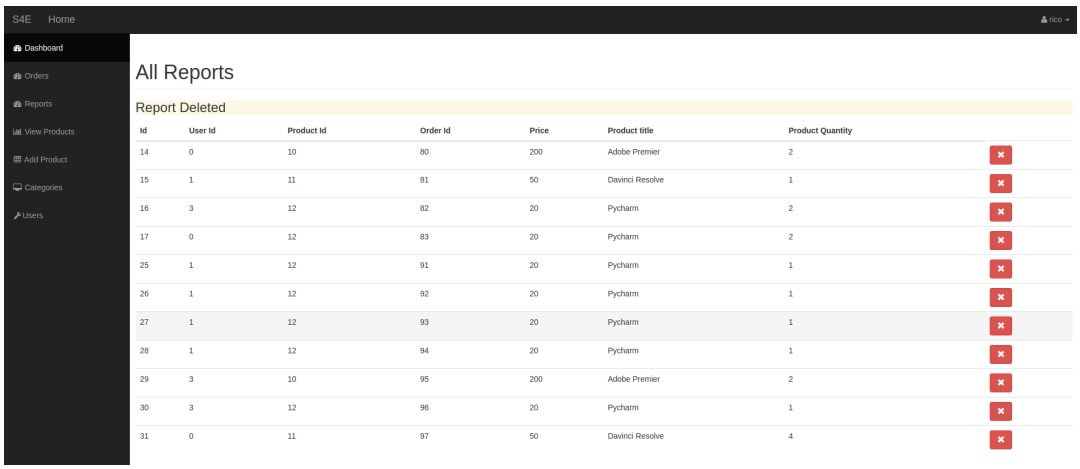
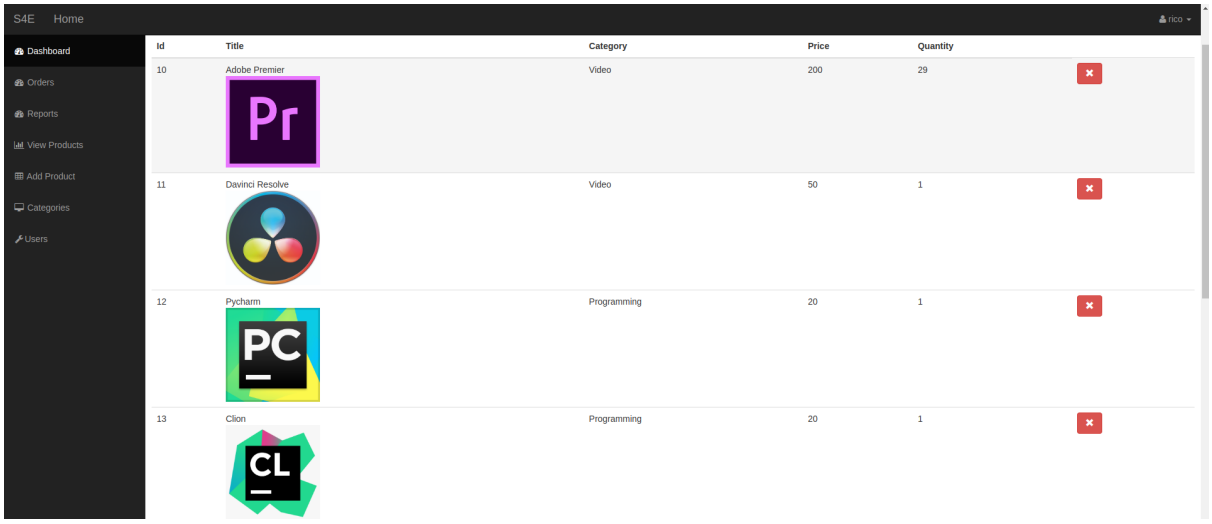
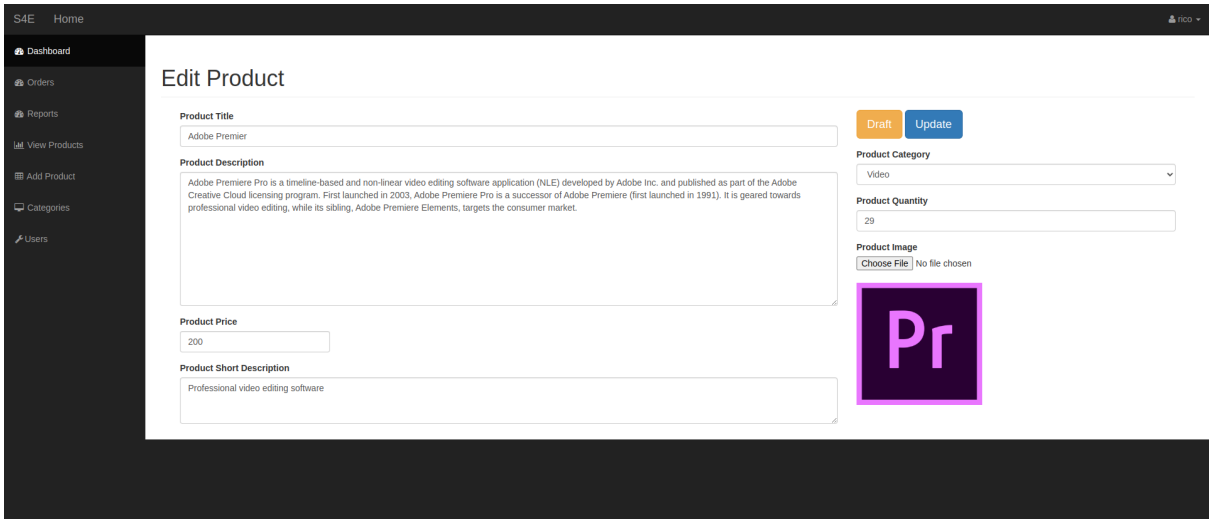
Normal user





Admin. You can see the normal user above reports with the user_id=3 column





For editing an existing product we have to go to ‘view products’ and click on the product image, it is a link. It redirects you to an edit form very similar to ‘add product’. Then press the button ‘update’ which launches an internal SQL update query.