A2: Actors and User stories

1. Actors
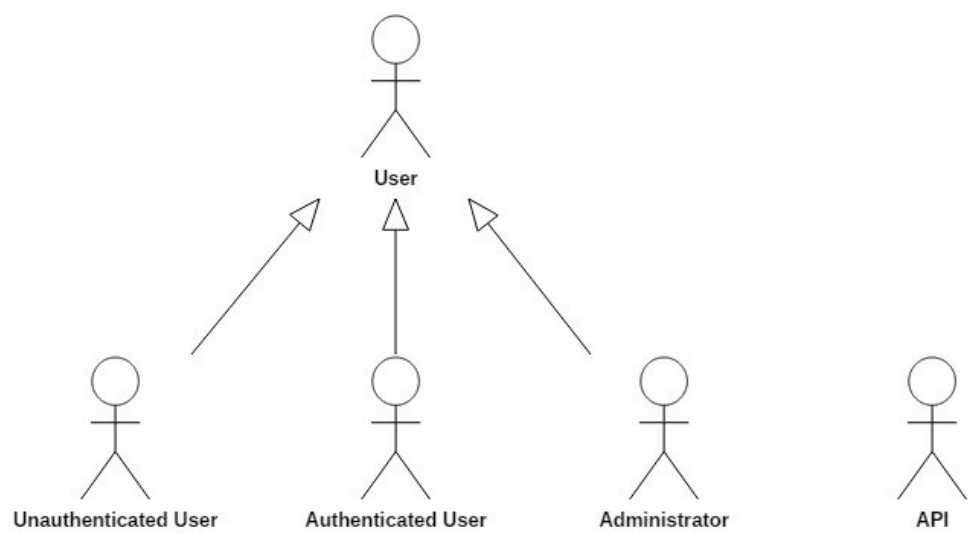

Figure 1: Actors

Identifier	Description	Examples
User	Generic user; Has access to public information and can perform actions such as search, view items, and pages.	n/a
Unauthenticated User	Can register itself or authenticate in the system.	n/a
Authenticated User	Can make purchases, review items, assemble lists of items, and manage their personal information.	johndoe
Administrator	Responsible for not only the management of products and users but also some specific supervisory and moderation functions, such as delete offensive reviews.	admin
API	External APIs that can be used to register or authenticate into the system.	Google

Table 1: Actor's description

2. User Stories

User

Identifier	Name	Priority	Description
US01	Home page	high	As a User, I want to access the home page, so that I can briefly see what the website has to offer.

Identifier	Name	Priority	Description
US02	View Single Product	high	As a User, I want to view a single product page, so that I can see a detailed representation of it.
US03	View product reviews	high	As a User, I want to view reviews of a product, so that I can determine my purchase.
US04	View Products	high	As a User, I want to view products, so that I can explore all products available for purchase.
US05	FAQ Page	high	As a User, I want to access the FAQ page,so that I can see Frequently Asked Questions.
US06	Contact Page	high	As a User, I want to access a contact page, so that I can view all contacts.
US07	Contact the store	medium	As a User, I want to be able to contact the store, so that I can ask questions, make suggestions or complain about a service.
US08	Search Products	medium	As a User, I want to be able to search for products, so that I can easily find the products I require.
US09	Search by filter tag	medium	As a User, I want to be able to search products by filter tag, so that I can narrow my search.
US10	About Page	medium	As a User, I want to access an about page, so that I can see a complete website's description.
US11	Sales	low	As a User, I want to see the products on sale, so that I can notice if there is a product I desire at a lower price.
US12	Top Selling Products	low	As a User, I want to see the top selling products,so that I can see what people are most interested in.
US13	Sort By	low	As a User, I want to sort the list of available products by price or review score, so that I can easily find desirable products.

Table 2: User's user stories

Unauthenticated User

Identifier	Name	Priority	Description
US14	Sign In	high	As an Unauthenticated User, I want to authenticate into the system, so that I can access privileged information.
US15	Sign Up	high	As an Unauthenticated User, I want to register myself into the system, so that I can authenticate myself into the system.
US16	Sign In using	low	As an Unauthenticated User, I want to authenticate into the system using an external account, so that I can access privileged

Identifier	Name	Priority	Description
	external API		information.
US17	Sign Up using external API	low	As an Unauthenticated User, I want to register myself into the system using an external account, so that I can authenticate myself into the system.

Table 3: Unauthenticated user's user stories

Authenticated User

Identifier	Name	Priority	Description
US18	View Cart	high	As an Authenticated User, I want to view my Cart, so that I can consult the items I previously chose.
US19	Add item to Cart	high	As an Authenticated User, I want to add an item to my Cart, so that I can later purchase it.
US20	Remove item from Cart	high	As an Authenticated User, I want to remove an item from my Cart, so that I can dismiss it.
US21	Buy Cart items	high	As an Authenticated User, I want to buy the items in my Cart, so that I can finalize my purchase, selecting address, payment method and shipment method.
US22	View profile	high	As an Authenticated User, I want to view my profile, so that I can verify if all my information is accurate.
US23	Edit profile	high	As an Authenticated User, I want to edit my profile, so that I can update my information (e.g. upload a new profile photo, update my e-mail or change my password).
US24	Delete account	high	As an Authenticated User, I want to delete my account, so that I can erase all my information on the website.
US25	View Wishlist	high	As an Authenticated User, I want to view my Wishlist, so that I can decide if I want to add those items to my Cart.
US26	Add item to Wishlist	high	As an Authenticated User, I want to add an item to my wishlist, so that I can later decide if I want to purchase the product.
US27	Delete item from Wishlist	high	As an Authenticated User, I want to remove an item from my Wishlist, so that I can dismiss it.
US28	View history of previous purchases	high	As an Authenticated User, I want to view the history of my previous purchases, so that I remember what I purchased.
US29	Make Review	high	As an Authenticated User, I want to make an item's review, so that other users have an idea about the quality of the product.
US30	Edit Review	high	As an Authenticated User, I want to edit my review on a product,

so that I can improve it or correct it in case of a mistake.

Identifier	Name	Priority	Description
US31	Delete Review	high	As an Authenticated User, I want to delete my review on a product, so that other users can't view it.
US32	Sign Out	high	As an Authenticated User, I want to sign out of the system, so that I can close my account.
US33	Report Review	low	As an Authenticated User, I want to report a review, so that I can notify administrators of offensive behavior.
US34	View similar items	low	As an Authenticated User, I want to view similar items to the one I'm seeing, so that I can discover exactly what I want.
US35	View suggested items on Homepage	low	As an Authenticated User, I want to view suggested items, so that I can discover new products that I like.

Table 4: Authenticated user's user stories

Administrator

Identifier	Name	Priority	Description
US36	Sign In	high	As an Administrator, I want to authenticate into the system, so that I can access privileged information.
US37	Sign Out	high	As an Administrator, I want to sign out of the system, so that I can close my account.
US38	Add product	high	As an Administrator, I want to add a product to the website, so that users can purchase it.
US39	Edit product	high	As an Administrator, I want to edit a product's information, so that I can update it.
US40	Remove product	high	As an Administrator, I want to remove a product from the website, so that users can not purchase it anymore.
US41	Manage purchases' status	high	As an Administrator, I want to change a purchase's status, so that I can give some feedback to the user about his order.
US42	Statistics	low	As an Administrator, I want to have an overview, so that I can improve the variety of products that I sell.
US43	View Users	low	As an Administrator, I want to view all the registered users' basic information, so that I can I decide whether or not to block/unblock them.
	View		As an Administrator, I want to view all the reported reviews, so

US44	reported reviews	low	that I can verify if they are offensive.
US45	Delete review	low	As an Administrator, I want to delete a reported review, so that there are no offensive reviews on the website.

Table 5: Administrator's user stories

3. Annex: Supplementary requirements

Business Rules

Identifier	Name	Description
BR01	Review	Only an authenticated user that purchased a product can review it.
BR02	Single Review	An authenticated user is not authorized to make more than one review for each product.
BR03	Offensive reviews	Offensive reviews are not allowed and will be removed by the administrator.
BR04	Review Score	All the reviews of a product should have a score.
BR05	Product Score	All the products have a score considering all its reviews scores.
BR06	Stock	An authenticated user can only purchase a product if it's available in stock.

Technical Restrictions

Identifier	Name	Description
TR01	Availability	The system must be available 99 percent of the time in each 24-hour period
TR02	Accessibility	The system must ensure that everyone can access the pages, regardless of whether they have any handicap or not, or the Web browser they use
TR03	Usability	The system should be simple and easy to use
TR04	Performance	The system should have response times shorter than 2s to ensure the user's attention
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, etc.)
TR07	Database	The PostgreSQL 9.4 database management system must be used
TR08	Security	The system shall protect information from unauthorised access through the use of an authentication and verification system
		The system must be prepared to handle and continue operating when runtime

TR09	Robustness	errors occur
TR10	Scalability	The system must be prepared to deal with the growth in the number of users and their actions
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)

Restrictions

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

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