A2: Actors and User stories

1. Actors
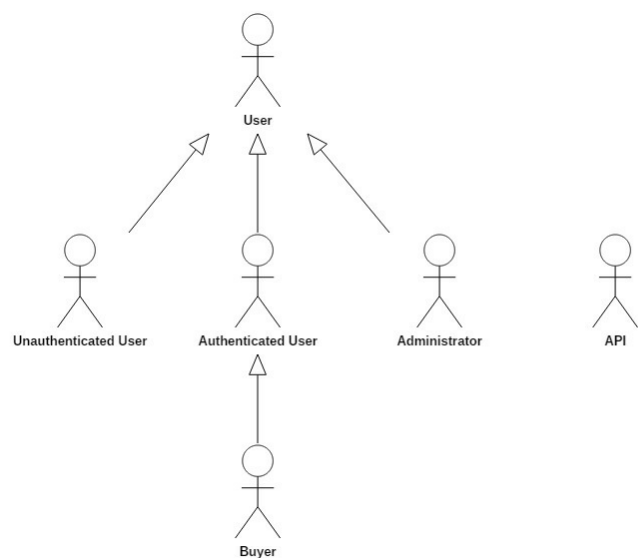

Figure 1: Actors

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,assemble lists of items, and manage their personal information.	johndoe
Buyer	An authenticated user that made at least one purchase; Can review an item on his purchase history.	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 Sign In for Websites

Table 1: Actor's description

2. User Stories

User

Identifier	Name	Priority	Description
US01	Homepage	high	As a User, I want to access the home page, so that I can see the most recently added products.
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 a Category's Products	high	As a User, I want to view products from a selected category, so that I can explore all the products available from that category.
US05	FAQ Page	high	As a User, I want to access the FAQ page,so that I can clarify some of my questions easily.
US06	Contact page	medium	As a User, I want to be able to contact the store using a pre-configured form or have access to a mobile phone number,so that I can ask questions, make suggestions or complain about a service.
US07	Search Products by name on a Search Bar	medium	As a User, I want to be able to search for products by name on a Search Bar, so that I can easily find the products I require.
US08	Filter by some product's properties on a filter bar	medium	As a User, I want to be able to select some specific properties, so that I can narrow my search.
US09	About Page	medium	As a User, I want to access an about page, so that I can see a complete website's description.
US10	Sales on the Homepage	low	As a User, I want to see the products on sale on the homepage, so that I can notice if there is a product I desire at a lower price.
US11	Top Selling Products on the Homepage	low	As a User, I want to see the top selling products on the homepage, so that I can see what people are most interested in.
US12	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
US13	Sign In	high	As an Unauthenticated User, I want to authenticate into the system, so that I can access privileged information.
US14	Sign Up	high	As an Unauthenticated User, I want to register myself into the system, so that I can authenticate myself into the system.
US15	Sign In using external API	low	As an Unauthenticated User, I want to authenticate into the system using an external account, so that I can access privileged information.
US16	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
US17	View Cart	high	As an Authenticated User, I want to view my Cart, so that I can consult the items I previously chose.
US18	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.
US19	Remove item from Cart	high	As an Authenticated User, I want to remove an item from my Cart, so that I can dismiss it.
US20	Buy Cart items	high	As an Authenticated User, I want to buy the items in my Cart, so that I can conclude my purchase, selecting an address, payment method and shipment method.
US21	View profile	high	As an Authenticated User, I want to view my profile, so that I can verify if all my information is accurate.
US22	Edit profile	high	As an Authenticated User, I want to edit my profile, so that I can update my information.
US23	Delete account	high	As an Authenticated User, I want to delete my account, so that I can erase all my information on the website.
US24	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.
US25	Add item to	high	As an Authenticated User, I want to add an item to my wishlist,

	Wishlist		so that I can later decide if I want to purchase the product.
US26	Delete item from Wishlist	high	As an Authenticated User, I want to remove an item from my Wishlist, so that I can dismiss it.
US27	Sign Out	high	As an Authenticated User, I want to sign out of the system, so that I can close my account.
US28	Report Review	low	As an Authenticated User, I want to report a review, so that I can notify administrators of offensive behavior.
US29	View similar items on a product's page	low	As an Authenticated User, I want to view similar items on a product's page, so that I can discover exactly what I want.
US30	View suggested items on Homepage	low	As an Authenticated User, I want to view suggested items on the homepage, so that I can discover new products that I may like.

Table 4: Authenticated user's user stories

Buyer

Identifier	Name	Priority	Description
US31	View history of previous purchases	high	As a Buyer, I want to view the history of my previous purchases, so that I remember what I purchased.
US32	Make Review	high	As a Buyer, I want to make an item's review, so that other users have an idea about the quality of the product.
US33	Edit Review	high	As a Buyer, I want to edit my review on a product, so that I can improve it or correct it in case of a mistake.
US34	Delete Review	high	As a Buyer, I want to delete my review on a product, so that other users can't read it.

Table 5: Buyer's user stories

Administrator

Identifier	Name	Priority	Description
US35	Sign Out	high	As an Administrator, I want to sign out of the system, so that I can close my account.
US36	Add product	high	As an Administrator, I want to add a product to the website, so that users can purchase it.
US37	Edit product	high	As an Administrator, I want to edit a product's information, so that I can update it.

US38	Archive product	high	As an Administrator, I want to archive a product from the website, so that users can not purchase it anymore.
US39	Add Category	high	As an Administrator, I want to add a product's category, so that I can expand the offer of the website.
US40	Archive Category	high	As an Administrator, I want to archive a product's category, so that I can reduce the offer of the website.
US41	Add Property	high	As an Administrator, I want to add a product's property, so that I can specify relevant characteristics of the items.
US42	Delete Property	high	As an Administrator, I want to delete a product's property,so that users can't see it anymore.
US43	Add FAQ	medium	As an Administrator, I want to add a FAQ, so that users don't need to contact me about that subject.
US44	Delete FAQ	medium	As an Administrator, I want to delete a FAQ,so that there aren't useless questions on FAQ page.
US45	View reported reviews	low	As an Administrator, I want to view all the reported reviews, so that I can verify if they are offensive.
US46	Delete review	low	As an Administrator, I want to delete a reported review, so that there are no offensive reviews on the website.

Table 6: Administrator's user stories

3. Annex: Supplementary requirements

Business Rules

Identifier	Name	Description
BR01	Single Review	An authenticated user is not authorized to make more than one review for each product.
BR02	Review Score	All the reviews of a productshouldhave a score.
BR03	Product Score	All the products have a score considering all its reviews scores.
BR04	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
TR09	Robustness	The system must be prepared to handle and continue operating when runtime 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.

Revision history

Changes made to the first submission:

1. Added new actor called "Buyer".
2. Clarified user stories regarding search methods and filter tags.
3. Some Authenticated User's stories were moved to the Buyer,specifically "View history of previous purchases","Make Review","Edit Review" and "Remove Review".
4. Clarified user stories regarding products' properties and categories.
5. New user stories added to the Administrator, regarding the functionalities of adding, deleting and archiving products, properties, categories and FAQs.
6. User stories "Sign In", "View Users" , "Block Users" and "Unblock Users" were removed from the Administrator.
7. Bussiness rules "Review" and "Offensive Reviews" were removed.

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