



MARKETMINDS – SE-UBB-2025 FEATURE DESCRIPTIONS



Joldeş Costin

Basket - Feature Description

In order to purchase items, users add them to their basket where they can manage their selections before proceeding to checkout. The basket system ensures users can track their intended purchases throughout their shopping.

The basket system allows users to add available non-biddable products to their basket by clicking the "Add to Basket" button on the product page. The basket view displays all selected items with product image, name, unit price, quantity selector (maximum of 10), item subtotal, and a remove option. The system automatically calculates and updates the basket totals including subtotal, discounts, and final amount payable.

Basket data persists across sessions for all users and is stored in the database. Throughout the shopping experience, the main toolbar displays a basket icon for quick access to the basket view.

Leliuc Robert

Bidding System – Feature Description

Once the auction is live, the system should display the highest current bid and the time remaining.

To place a bid, users enter their desired amount in an input field and then click the place bid button. If no one has bid on the item yet, the user must bid at least the starting price. Otherwise, the new bid must exceed the current highest bid by at least \$1. If the sum is invalid, such as being lower than the current highest bid, not a valid number, or exceeding the user's available balance, an appropriate error message should be displayed.

When a bid is successfully placed, the system deducts the specified amount from the user's account, updates the highest bid, and logs the transaction in the bidding history.

The bidding history shall display a list containing the bidder username, amount and timestamp for each bid.

If the auction has less than five minutes remaining, each new bid adds one minute to the countdown, preventing last-second sniping.

When the auction ends, the highest bidder is declared the winner and the system will automatically delete the auction.

LUSCAN ALEXANDRU-MIHAI

REQUIREMENTS FOR BUYING/BORROWING PRODUCTS

A user can buy or borrow both new and used products, depending on the options provided by the seller for that product.

BORROWING

To borrow a product, a seller needs to enter relevant details about the product (title, description, tags, condition, category and images) and relevant details about the borrowing process (time limit date, start date and daily rate). Considering these fields, when a user chooses to borrow a product, it will push the button borrow, then it will see a list of products, clicking on the product he wants will see the selected product and the corresponding fields for the borrowing process. In that product page it will choose an end date, between start date and time limit date for his borrowing, it will get a price considering the selected end date, and now, if he wants, he can join a Waiting List for that product, pushing the button 'Join', where the seller chose the preferred customer. If a user is already in that Waiting List, he can leave that, pushing the button 'Leave'. If a product is already borrowed, but the end date is before the time limit date, users can also join a new Waiting List for the same product, but considering the start date as the end date for the previous borrowing.

BUYING

To buy a product, a seller needs to enter relevant details about the product (title, description, tags, condition, category and images) and relevant details about the buying process (price). Considering these fields, when a user chooses to buy a product, it will push the button buy, then it will see a list of products, clicking on the product he wants will see the selected product and the corresponding fields for the buying process. In that product page, if he wants to buy that product, he can push the button 'Add to basket' and if it is a success it will receive a notification 'Product added to basket successfully!'

Malos Alexandru

Seller Reviewing + Product Comparison

REVIEWING

After a buyer finalizes a transaction and **receives** the product from shipping, he/she will be able to leave a review if they **want** to. The buyer will review the **seller** regardless of the type of product. When reviewing the seller, the reviewer can attach photos and review based on the accuracy of the advertised product, choose a rating ranging from one to five stars and a description (up to 2000 characters). After the review the seller's score will be instantly updated using a **simple average score**, notifying the seller of the new review. If the seller thinks that the review was not fair, they can ask for further information from

the reviewer by sending them a direct message. The review afterwards can be **edited or deleted** by the reviewer whenever they want.

COMPARING

When a user is looking at an **item** on sale, he/she has the option of **comparing** the product with another item that is on sale. After adding the product the user will continue with the **browsing page**, with the item they want to compare **saved**. After finding an item to compare with, the user will be brought to a page with the 2 items one next to the other. The **comparison** will show the **images** on top; then followed by the **description** of the item put up by the seller, an option to see the **user reviews**, and followed by the condition and tags. At the bottom of the comparison there will be a button underneath each of the products, to **choose** that one. Once the user chooses one of the products, he/she will be **returned to the page of that products**

ANTONIO HUS

REQUIREMENTS FOR PRODUCT FILTERING

BIDDING OWNER USE

Categories:

A Bidding Listing must be associated with a Category during the initial Bidding Creation process. The available categories are predefined under the **Categories** tab (e.g., "Vehicles," "Electronics," "Clothing & Accessories").

Tags:

A Bidding Listing can be associated with up to twenty tags, which are defined by the listing owner during the initial Bidding Creation process.

BIDDING CLIENT USE CASE:

Any user can access the **Active Biddings**, where they will see all the bidding listings. By default, listings are ordered chronologically by their creation date and time, from oldest to newest. The users can access the listings by **title, category, or tag**. As users type, the system dynamically updates the results by checking whether the entered sequence of characters appears in the listing's title, the category's title, or any associated tag. If no matches are found, the system informs the user with a clear message.

Sorting:

The user can sort the listings in the following ways: Seller rating (best to worst, worst to best), Starting price (lowest to highest, highest to lowest), Current price (lowest to highest, highest to lowest), Only one sorting option can be active at a time.

Filtering:

The user can filter the listings in the following ways: by **condition**, allowing users to filter listings by item condition (new or used), by **categories**, by **tags**.

Users can also search within the **Categories** and **Tags** to quickly find relevant filters. This search system does not require an exact match—if the entered

sequence of characters appears anywhere in a category or tag title, that option will be included in the search results. This makes it easier to discover relevant filters, even if the user does not know the exact name.

Managing Active Filters:

Multiple filters can be selected simultaneously. When a user selects a category, tag, or condition, it remains active and updates the displayed listings accordingly.

Hiticaş Paul

Selling – Feature Description

In order to sell something, a seller profile (account) enters a “Create Listing” window. The user must choose if they want to post an Buy, Borrow or Auction type of listing.

Depending on the listing type the user can add different details. All of them have in common the product name (required), category (required), up to 20 images, description up to 2000 words (optional), tags up to 20 (optional).

If a tag does not exist, a new tag is created and the listing is associated with it.

The buy listing requires in addition only a price.

The borrow listing allows user to borrow items without necessarily having to use the chat. This requires a daily rate (the price that each day has per borrowing) and a date limit (until the item can be borrowed).

The auction listing will start a bid for the item, requiring a starting price, and an initial end date, that will be tweaked in time to counter the idea of bid-sniping.