

Task 6: Update and Search Products/Buyers

Updating Products/Buyers

1. Purpose:

This feature enables users to modify existing product or buyer details to maintain accurate and up-to-date records.

2. Steps to Implement:

✓ Select Record:

- Provide an intuitive way to select a record for updating, such as an "Edit" button next to each item in the list.
- Allow users to search for a specific product or buyer before editing.

✓ Populate Form:

- Load the current details into an editable form.
- Pre-fill fields with existing data to reduce manual input errors.

✓ Edit Details:

- Ensure users can modify only permitted fields.
- Implement validation rules to prevent incorrect or inconsistent data entry.

✓ Save Changes:

- Update the record in the database upon form submission.
- Ensure smooth backend processing to handle updates efficiently.

✓ Provide Feedback:

- Show real-time notifications for successful updates.
- Display error messages if the update fails due to conflicts, missing data, or restrictions.

3. User Considerations:

- ◆ Restrict editing permissions based on user roles (e.g., admin, seller).
- ◆ Implement an undo feature or version history for tracking changes.
- ◆ Ensure the update process is fast and does not disrupt user workflow.

Searching Products/Buyers

1. Purpose:

This feature helps users quickly locate specific products or buyers using search criteria, improving efficiency in large datasets.

2. Steps to Implement:

✅ Search Bar:

- Provide a keyword-based search bar for quick lookups.
- Support search by name, category, location, or unique ID.

✅ Filters for Precision:

- Include dropdowns, checkboxes, or sliders to refine searches (e.g., price range, category, location).
- Allow multi-filter combinations for advanced searching.

✅ Display Results Clearly:

- Show search results in a structured table or list with essential details (e.g., product name, category, email, location).
- Highlight matching terms within the results for better visibility.

✅ Enable Quick Actions:

- Let users perform actions like **View**, **Edit**, or **Delete** directly from the search results.
- Provide tooltips or icons for enhanced usability.

3. User Considerations:

- ◆ Ensure searches are **fast and responsive**, even with extensive datasets.
- ◆ Support **partial matches and case-insensitive search** for flexibility.
- ◆ Include a **clear/reset search** button to revert to the full list effortlessly.
- ◆ Implement **pagination or infinite scrolling** for improved navigation in large result sets.