# Reviews Web App Requirements

## Overview

This document outlines the requirements for a WordPress-based web application focused on publishing and interacting with product reviews and articles. It will include user-generated reviews, articles, a product catalog with categories, and an admin panel for content and user management.

## Entities

1. **User:** users can have one of the following roles:

   a. **Normal User**
      i. Create and edit their own reviews.
      ii. View, like, comment on, and share other users' reviews.
      iii. Add products to their favorites list.

   b. **Editor**
      i. Manage articles, reviews, categories, and products (see Admin Panel section).

   c. **Admin**
      i. Full system access, including user management (see Admin Panel section).

2. **Category:**

   Categories are organized as a hierarchical tree structure.

   Each category has:

   - Name
   - List of subcategories (optional)

   Only leaf categories (those without subcategories) can have products assigned.

3. **Product:**

   Each product:

   - Belongs to a leaf category.
   - Has the following required fields: name, image, average rating (0 to 5), and associated user reviews.
   - Can include optional fields based on product type:
      - Example for phones: Brand, Model, RAM
      - Example for restaurants: Location, Cuisine, etc.

4.  **Review:**

Each review includes:

- Title
- Content
- Rating (0 to 5)
- Created at timestamp
- Author (user)
- Likes
- Comments (with reply support)
- Number of views
- Share option

5.  **Article:**

Each article includes:

- Title
- Content (rich text with images and formatting)
- Created at timestamp
- Last updated timestamp

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# Admin Panel

Accessible only to authenticated users. Features and permissions vary by role.

**Editor Permissions**:
- **Articles**: View, create, delete, search.
- **Reviews**: View, create, delete, search.
- **Categories**: View the category tree, add categories and subcategories, delete categories.
- **Products**: View, create, edit, delete.
- **Analytics**: Access and view usage stats and content analytics.

**Admin Permissions**:
- All editor-level permissions.
- **User Management**:
    - View, delete, search for all users.
    - View, delete, search for editors.

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# Article Editor (for Editors/Admins)
The editor should support the following features:

- Rich text formatting (headers, bold, italic, underline, colors, etc.)

- Hyperlinks
- Image embedding

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# Website Frontend

The website will be publicly accessible, fully responsive, and optimized for content discovery, review writing, and interaction.

## Pages & Features

1. **Authentication:** login and registration page for users.
2. **Home Page**
   a. Search bar
   b. Categories
   c. Top articles
   d. Top reviews
   e. "Write a Review" button

3. **Category Page**
   a. Displays subcategories and/or products for a selected category.

4. **Products Page (per Category)**
   a. List of products under the selected category, each showing:
      i. Image
      ii. Name
      iii. Average rating
5. **Product Details Page**
   Includes:
   a. Product image, name, and average rating (stars)
   b. "Write a Review" button
   c. Product summary
   d. Date listed on the site
   e. Product information (dynamic fields based on type)
   f. Favorite button
   g. Share button
   h. Link to buy (external affiliate or store link, opens in a new tab)
   i. **Compare feature**:
      i. "Compare Now" button
      ii. On click: change to "Added"
      iii. Search bar to find another product
      iv. Select from autocomplete suggestions
      v. Display comparison area below (recommended products section)
   j. **List of reviews:**
      i. Review author.
      ii. Timestamp.
      iii. Views
      iv. Review actions: Like, dislike, comment (with reply support), share.

**6. Website Header:**

Always visible at the top:
- Logo
- Login/Sign Up links (or user avatar when logged in)
- Search bar
- Categories dropdown

**7. Profile Page**
- User information.
- Favorites.