

Requirements Document for Bluntazon eCommerce Website

1. Introduction

For many years, popular online retailers have deceived and bamboozled trusting customers with inaccurate product descriptions, false advertising, and unrealistic product expectations. Group 2 has seen their pain, read their outcries in reviews, and been victims ourselves of these heinous acts of deception. Our team of totally qualified college students plan to develop Bluntazon, a transparent alternative online retailer that never leaves consumers blindsided. This site will offer a multitude of merchandise to remedy every need without the use of false advertisement. Each of our products are presented exactly as is, complete with upfront labels and honest descriptions. Unlike our competitors, our site will gain customer trust due to our unwavering transparency. All information in this document has been determined to be accurate at the time of this writing.

The document contains the following sections:

- Executive Summary
- Application Context
- Functional Requirements
- Environmental Requirements
- Other Requirements
- Software Qualities
- Time Schedule
- Potential Risks
- Future Changes
- Glossary
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2. Executive Summary

“Group 2” aims to provide online retail shoppers with a reliable, trustworthy alternative to big-name, deceptive companies. Bluntazon will not only restore consumer trust with its accurate listings, this software will offer users a familiar, yet enhanced, experience to that of other popular retailers. “Group 2” believes Bluntazon has the potential to shift the outlook of general users of what’s acceptable from online retailers.

The Bluntazon provides the following key features:

- Accurately, truthfully labeling product – Users can make informed purchase decisions about their purchases based on “Group 2”’s transparent marketing.
- Offering a variety of merchandise – Any user will conveniently find needed items due to the vast selection available.

Two of the most important risks posed by the development of the Bluntazon are the following:

- Usability – Bluntazon aims to be the best alternative to other online retailers, users will require a user-friendly interface or they might continue shopping with other companies.
- Maintaining Product – Since the site intends to offer a variety of products to suit every need, it is important to upkeep stock, price accordingly, and uphold the advertised values of not using deceptive marketing.

3. Application Context

The Bluntazon eCommerce website allows any user to search for and purchase items with the expectation that they are getting exactly what they paid for. To provide this, “Group 2” staff will need to familiarize themselves with each product to accurately describe it. Additionally, they will need to provide site maintenance and customer support.

4. Functional Requirements

ADMINISTRATOR FUNCTIONALITY

Administrator Login

- 4.1.1. All “Group 2” administrators have to be verified using a login and password. The site should offer the administrator a set of user interfaces that give access to features that allow them to edit, delete and add information.

Creating New Product Listings

- 4.1.2. Every product must be accurately labeled and described with no embellishments.
- 4.1.3. The graphical user interface (GUI) should allow the information of only one product to be entered at a time.
- 4.1.4. The GUI should allow the administrator to create new product pages, retrieve and edit existing pages and save them. If a product page with the same title already exists, the GUI should prompt administrator accordingly.
- 4.1.5. The “Product Page” for a product includes:
 - 4.1.5.1. The name of the product. Every product must have a non-embellished, accurate name.
 - 4.1.5.2. The image/picture(s) of the product. Only jpg, png, and gif files are considered as image files. Image size should be 500 X 1000 pixels on the screen.
 - 4.1.5.3. The name of the seller. The name will be linked to the seller’s page where users can find more information on the seller.
 - 4.1.5.4. The price of the product. Price must be larger than descriptive information, but not more than the product name. Price is listed in USD.

- 4.1.5.5. A brief description of the product. This description can include dimensions, material, and other related descriptors. Product will only have one description section that is limited to 4000 characters.
- 4.1.5.6. The GUI should provide suitable fields and options to allow all the above information/description to be added to the particular product page. All links should be accordingly displayed in the GUI.
- 4.1.6. The GUI should allow the administrator to create new seller information, retrieve and edit existing seller information and save it. If a seller information section with the same name of the seller already exists, the GUI should prompt administrator accordingly.
- 4.1.7. The Bluntazon GUI should make the input of all the information including images as easy as possible.

Editing A Product

- 4.1.8. The Bluntazon software should allow the administrator to perform search queries and edit any of the information sections. Furthermore, the administrator is responsible for maintaining any links.
- 4.1.9. They should be able to delete or alter any existing information. The software should require confirmation before the deletion of any information. Only one section may be deleted at a time. Changes are manually saved by the administrator.

Editing User Accounts

- 4.1.10. An administrator should be able to perform all the search queries as a normal user. Moreover, they should be able to edit any of the account information sections.
- 4.1.11. They should be able to delete any existing information from the account. Only one information section can be deleted at a time.
- 4.1.12. The administrator should be able to restrict or terminate any general user account. If the administrator restricts an account, user will have no access to using the site until the restriction is lifted. If the account is terminated, all related data will be locked and permanently inaccessible to the user.

USER FUNCTIONALITY

Searching for a Product

- 4.1.13. The GUI should allow the user to retrieve all products by specifying a particular category and/or filter(s).
- 4.1.14. A user should be able to locate a product (or related products) by using a search for the title or part of the title.
- 4.1.15. A user should be able to retrieve all links for a seller by using a search for

the name or part of the name of the seller.

- 4.1.16. The site should support a combination of the above searches. The results of any combination search should be always list the titles of the products that match the criteria, sorted by relevance with closest match(s) at the top, and should be links that take the user to the particular product page. The administrator is responsible for maintaining the links.

Viewing information

- 4.1.17. The user should be able to view any information section, the results of any kind of search and a list of titles of products that have been put in the user's wish list

MISCELLANEOUS FUNCTIONALITY

User Interface

- 4.1.18. "Group 2" requires that the user interface always display the name of the site across the top. The layout of the unspecified part of the user interface is flexible.

5. Environmental Requirements

Since Bluntazon is a website, "Group 2" is not concerned with the user OS. The team will take formatting into account in the event of issues with OS defaults.

6. Other Requirements

Bluntazon will operate as a website hosted by services such as AWS.

"Group 2" should carefully document all decisions made and utilize GitHub.

7. Software Qualities

- *User-friendliness* – Since users of Bluntazon will be of all types it is essential that the site be as user-friendly as possible.
- *Correctness* – Because Bluntazon markets and upholds product transparency, it is imperative that Group 2 maintains that for each product to ensure customer trust.
- *Reliability* – Reliability of Bluntazon is important. Increased rate of failure will decimate user trust in "Group 2" and their related projects.
- *Performance* – It is highly essential that Bluntazon runs efficiently. Any "search" should not take more than 5 seconds.

- Understandability – To support evolvability, repairability, and maintainability, it is imperative that all aspects of the Bluntazon (design, code and test cases) be easily understandable.

8. Time Schedule

“Group 2” abides by the required project due dates and must complete Bluntazon within that timeframe. The schedule is as follows:

Design must be completed by May, 2023

9. Potential Risks

- Limited Schedule – The schedule according to which Bluntazon is being developed is limited to the scope of the User Interfaces class and may not reach its full potential.
- Complex Search Algorithms – Group 2 may have to design and implement efficient search algorithms that facilitate the filtered searches.

10. Future Changes

- Advertising Products – In future versions, Bluntazon may include advertising to bring in extra revenue by selling the advertising space to other organizations.

11. Glossary

- **Bluntazon** – The system under development; a software application that is an alternative to deceptive online retailers.
- **Group 2.** – The client group developing Bluntazon.
- **Product** – Item(s) that are purchaseable by users.
- **User** – User is an ordinary person who wishes to use the system to find and purchase items without deceptive marketing.

12. References

- <http://www.dictionary.com>