

## **PRODUCT REQUIREMENT**

This web application functions as a food product catalog that provides complete information about the product as well as easy-to-use ordering features. Each product must have attributes such as name, image, product code, price, stock, and a short description. The image should be relevant to the product name to provide a clear visualization, while the description helps users understand details such as ingredients or product benefits. Users can add products to the cart in quantities ranging from 1 to the maximum available stock. If the order quantity reaches the max stock, the add button should be disabled, and a popup message such as “The order quantity has reached the max stock should appear.” Conversely, the user can decrease the order quantity to 0, at which point the decrease button becomes inactive. If a product is out of stock, it still appears in the list with the caption “Out of stock,” but cannot be ordered. Input validation is also implemented to prevent negative numbers, non-numeric input, or orders exceeding stock, with user-friendly error messages.

The app design should be responsive and support use on a variety of devices, including Firefox browsers on laptops and Google Chrome on Android phones. The interface should be designed to be intuitive and uncluttered with elements such as the product list, navigation buttons, and total price clearly displayed without overlapping on both small and large screens. Product categories, such as food and beverages, need to be separated to make it easier for users to find products according to their needs. Search or filter features by category, price, or stock can be added to improve ease of use. The total price of an order should be updated automatically whenever the order quantity changes, so that users get a quick experience without the need to reload the page. Additionally, the app can include additional features such as order history during the session to make it easier for users to keep track of the products that have been selected.