DAYANANDA SAGAR UNIVERSITY

WEB PROGRAMMING

MINI PROJECT SYNOPSIS

ON

"PRODUCT FILTERING WEBSITE"

VII Semester, 2020

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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INTRODUCTION

Only a few visitors will arrive at an e-commerce site knowing exactly what to look for. That's why aside from a smart onsite search, we need to have an advanced product filter system to help them look for products on the site.

And yet, only 16% of major e-commerce sites offer a reasonably good filtering experience. When product filters are implemented well, customers will be able to look at the different products you offer and specify it to the few ones that match their needs and preferences.

Product filters are, no doubt, central to your customers' ability to browse through your product lists.

When done right, filters in an e-commerce website enable users to narrow down a website's selection of thousands of products to only those few items that match their particular needs and interests. Yet, despite it being a central aspect of the user's e-commerce product browsing, most websites offer a lacklustre filtering experience.

PROBLEM DEFINITION

Despite it being critical to a customer's product finding abilities, it is interesting that the majority of e-commerce sites do not have category-specific filtering types for some of their product verticals.

Category filter is a filtering option that is only available in one or a few select product categories. Unlike site-wide filters, such as 'Price', 'Best Selling' or 'User Ratings', category filters only make sense for the products contained in a particular product category.

Category filters are helpful for customers who come to your site unclear what their preferences are for a product they are interested in or lack familiarity about a product they are looking at.

PROPOSED SOLUTION

We are creating a UI based website titled **"PRODUCT FILTERING WEBSITE"** that wires up two filters for a fictitious website. We will create filter buttons and a filter search bar which will be used to show only filtered items based on the search requested by the user.

We will create an e-bakery platform which provides a variety of confectionaries. Our website will have a search bar where the user can input the product category they want to look into and the website will return category-based product lists.This project helps to reduce the search time for products.

HARDWARE REQUIREMENTS

1. Intel processor Core i3 or more
2. Disk Space : 1GB or more
3. Ram : 4GB or more

SOFTWARE REQUIREMENTS

1. Windows 7 or above/ Kali 2020.3
2. HTML 5
3. CSS
4. JavaScript
5. Xampp / Internal directory (Linux)

POSSIBLE OUTCOME

We will create an e-bakery which sells pâtisserie. Initially the webpage will display all the items available to the customers. When the customer enters a product he/she wants to view or buy on the search bar, the filtered products are displayed based on the search input given in the search field.