

Low Level Design (LLD)

SHOPPING CART

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Document Version Control

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Abstract

With high increase in vehicles on the road, problem of traffic congestion and accidents has increased substantially. To overcome these problems, the in-depth analysis of causes such as number of traffic rules followed, is required. Therefore, continuous monitoring of traffic on highways and huge roads is mandatory. An Automatic Traffic Control System can prove to be a solution to above mentioned problems.

Automatic Traffic Counter Control can also help in drawing inferences from the recorded data

1 Introduction

1.1 Why this Low-Level Design Document?

The purpose of this document is to present a detailed description of the Shopping Cart System. It will explain the purpose and features of the system, the interfaces of the system, what the system will do, the constraints under which it must operate and how the system will react to external stimuli. This document is intended for both the stakeholders and the developers of the system and will be proposed to the higher management for its approval.

The main objective of the project is to let the user a smooth experience while shopping with attractive features as well as discounted Prices. In e-commerce, the **shopping cart** is a piece of software where your customers can store the products they like and might purchase after browsing merch in your catalogue. But other than serving as a storage of items for purchase, an e-commerce **shopping cart** offers

several important functions. Once a customer adds an item to their **shopping cart**, they can easily review and manage their selections. They can change order sizes, colours, or quantities. Customers can continue browsing your website and then add products or remove them from the cart. When they're done browsing, they can go back to their **shopping cart** and select the items they want to check out. A **shopping cart** also shows the different shipping and payment options. After the customer makes a payment, the cart organizes all the order information and sends it to you as the retailer, and to other parties, such as your bank and delivery partners for order fulfilment.

1.2 Scope

This cart system will be a Web application This system will be designed to let the user to search the items and add them to cart and do checkout with modifying option in cart as well as total amount.

1.3 Constraints

We will only be selecting a few limited items.

1.5 Out of Stock

These are the items which is sold out. Once these items back in stock It'll get updated soon.

2.1 Database

This web app doesn't need any database. As it is only shopping cart. If it was integrated with e-commerce app then it could require the database for tracking of all items added to cart of each user.

2.2 Deployment

1. NETLIFY



3 Technology stack

Front End	HTML/CSS/JS/React
Backend	Not Required
Database	Not Required
Deployment	Netlify

4 Proposed Solution

It makes user experience better and easy to do shopping and checking out with these items at one place. Because it accompanies your customers throughout the shopping journey, investing in a reliable **shopping cart** solution is vital in enhancing your customer's buying experience. In effect, this can strengthen your brand's reputation and boost revenues and customer loyalty.

- **It streamlines the shopping experience.**

A good shopping cart platform provides your customers easy access to product information and allows them to make quick changes to their orders. If the customer is not yet done shopping and continues browsing your catalogue, all the items in the cart remain intact until the customer comes back and selects the items to purchase.

Multiple payment options are also accessible, so customers can choose which one is convenient for them.

- **It lets you keep track of customer orders better.**

Order management from the point where the customer makes a payment to having the items shipped to the customer involves several processes. With a **shopping cart** software, it is easy for you to process and

fulfil orders faster, saving time and money. It also keeps information and transactions more organized to prevent errors in order processing and fulfilment.

- **It stores and provides data for analytics.**

You can extract a wide range of information from your shopping cart software. Information such as previous purchases or items left on the cart can help you in designing your retargeting plan.

Many **shopping cart** platforms have a feedback feature that lets you know how customers rate their shopping experience. You can use such data in improving your customer management strategy.