

# AI Multi Agent Online Shopping System

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**Abstract** - This project is a web-based shopping system for an existing shop. This project is an attempt to provide the advantages of online shopping to customers of a real shops. It helps buying the products in the shop anywhere through internet by using website. The customer will be provided the service of online shopping and home delivery by using this website application. This system can be implemented to any shop in the locality or to multinational branded shops having retail outlet chains. The basic concept of the application is to allow the customer to shop virtually using the Internet and allow customers to buy the items and articles of their desire from the store. The information pertaining to the products are stored on a Real Time Database at the server side. The application was developed using Angular- a TypeScript Framework. The design criteria and the implementation details are presented in this report.

## I.INTRODUCTION

A FIVE & FIT (E-Commerce) is the process of doing business through computer networks. The primary goal of an e-commerce site is to sell goods and services online. Online shopping is a form of electronic shopping store where the buyer is directly online to the seller's computer usually via the internet. A person sitting on his chair in front of a computer can access all the facilities of the Internet to buy or sell the products. Online Shopping System helps in buying of goods, products and services online by choosing the Shoppers listed products from website (E-Commerce site).

### A. Objectives

The objective for ONLINE SHOPPING is as follows:

1. To shop while in the comfort of your own home, without having to step out of the door.
2. To be able to easily save money and compare prices from website to website.
3. Online resellers tend to sell at a lower price due to less overhead expenses.

### B. Benefits

Cheap deals and better prices are available online, because products come to you direct from the manufacturer or seller without involving middlemen. The choices online are amazing. You can find almost any brand or item you're looking for. Sending gifts to relatives and friends is easy, no matter where they are. Comparing and researching products and their prices is so much easier online.

## II.WORKING MODULES

### A. Shopping System

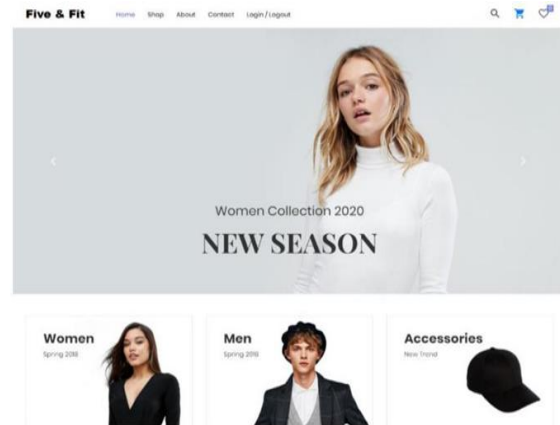


Fig. 1 Home Page

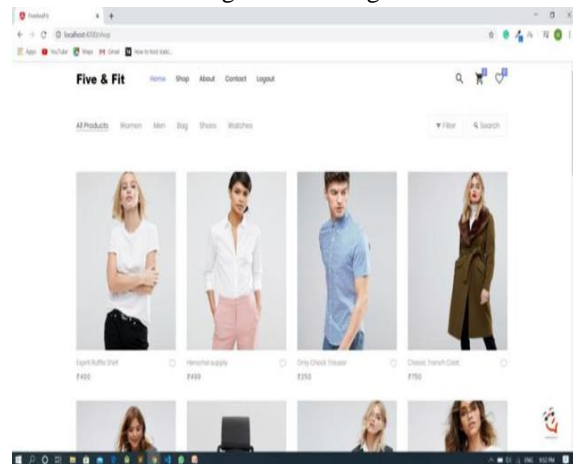


Fig. 2 Shop Page

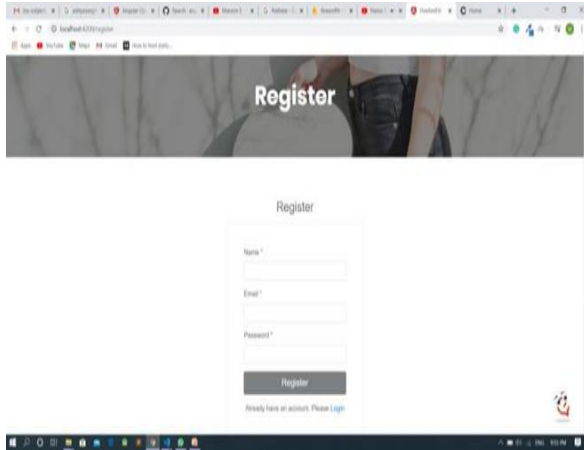


Fig. 3: Register Page

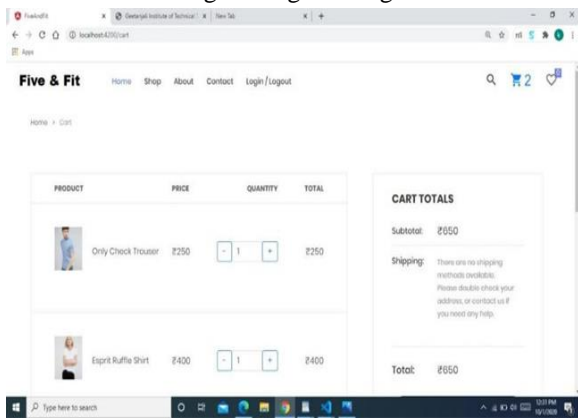


Fig. 5: Cart Page

### B. Programming Languages

The Programming Languages (PL) module covers the subject of programming languages by providing the following services:

- **Code Reading:** Code reading is a key method of learning how to write code in any programming language. This service presents useful tools and sources for code reading and helps users to create a plan of how to be trained to any programming language.
- **Choosing a Language:** It presents existing programming paradigms (procedural, declarative, functional, and object-oriented) and allows users to understand the relationships and differences between several programming languages with the use of visualized examples.
- **Data Structures:** It introduces primitive data structures, supports users in distinguishing arrays, records, strings, etc.
- **Procedures and Functions:** It presents a variety of examples in different programming languages

and allows users to comprehend concepts of breaking a program apart into procedural units, their call and parameter passing.

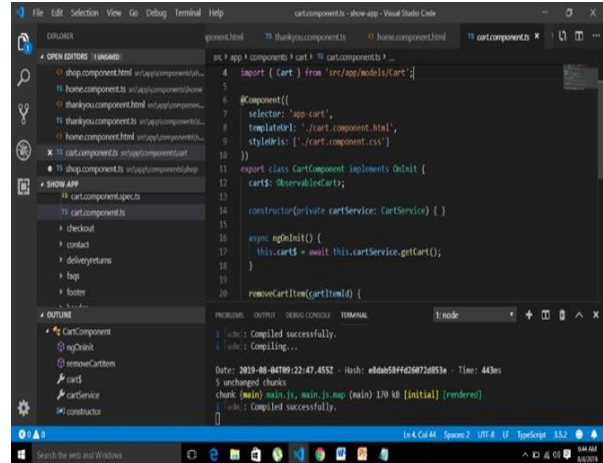


Fig. 6: Front-end design

### III. CONCLUSION

After having detail study on Online Shopping one can see a great change in the behavior of people in many manners like their attitude, buying pattern. In earlier times people use to do manual shopping but now as time changed people are becoming busy and due to which technology has brought a new revolution i.e. Online Shopping. As we started doing survey it came to in notice that young age group people i.e. 15-30 uses or prefer online shopping because it is time and energy saving. But middle -age group does not prefer much because they have wrong perception that by seeing the product one can get the goods of proper quality. And even some people do not prefer using plastic money i.e. credit cards. But online shopping has a great future but to be successful it is necessary to spread awareness about its benefit.

### IV. ACKNOWLEDGEMENT

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