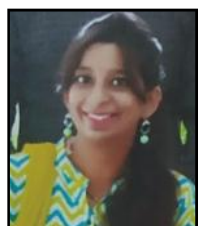




## Home Mart - An Online Grocery Web Application

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"Home Mart" Abstract: In this busy lifestyle of most of the people in India, it's difficult to take out time to go and purchase groceries by driving to the store. Also, during emergencies like Covid-19 pandemic and in order to be safe, nowadays people prefer to order ration or other daily need items online. Therefore, the authors highlight solving these day-to-day issues of almost every household with the help of technology.

They have built an e-commerce website through which users can purchase groceries from different nearby stores after comparing the price of the products. Therefore, it is

### ABSTRACT

*In this busy lifestyle of most of the people in India, it's difficult to take out time to go and purchase groceries by driving to the store. Also, during emergencies like Covid-19 pandemic and in order to be safe, nowadays people prefer to order ration or other daily need items online. Therefore, the authors highlight solving these day-to-day issues of almost every household with the help of technology. They have built an e-commerce website through which users can purchase groceries from different nearby stores after comparing the price of the products. Therefore, it is very time efficient too. This project is built with an aim to support the Digital India Programme initiated by the Indian Government as it would in turn digitalize and generate employment for delivery partners as well as business opportunities for small shops.*

### KEYWORDS

**E-Commerce, Online Shopping, Small Shops, Amazon, Grocery, Home Mart.**

### INTRODUCTION

"Home Mart" is an online grocery web application which can be basically used by retailers as well as consumers. Through this, retailers would have an option to use the portal for adding the items or products in their stock which they want to sell. Whereas, on the other end, this web-based application helps consumers to choose the products they want to buy and add them to their shopping cart and then provide their complete address and contact details in order to help our delivery partners deliver the groceries at their doorstep. Our

application is totally time saving and budget friendly for both i.e. sellers and buyers.

By keeping in mind all the issues faced by people in their daily lives, this project is made with a mission that aims to increase the efficiency of purchasing groceries online and reducing the drawbacks which are present during the in-store purchases. It prevents a consumer from standing in long queues in order to wait for his/her turn to get the items billed. Therefore, our project is a boon for the society. Also, the technical system makes it possible for the whole process to be fast, accurate, informative, reliable and user friendly. The system helps the consumers to do most of the things through just simple clicks such as search for groceries that are available on a specific shop for a particular price, select the quantity, select store/shop name, compare prices and much more.

The “Home Mart” is built with the help of new technologies which include:

- Any operating system of Mac or Windows or Linux with 32bit or 64bit processor.
- Python interpreter 3.9 version to run Python scripts.
- Django library was installed and imported which is a Python web framework that help us to create a website which is strongly secured and helps in rapid implementation of our logic and development.
- JavaScript was used to build modern web applications to interact directly without reloading the page every time. It was mainly used to make our HTML page attractive by using the DOM (Data Object Model) concept.
- JQuery played an important role during the building of our project Home Mart, with it’s help, we had an advantage of writing less Javascript code and thus, completed our development part in time. In overall, JQuery enabled us to write less code with same logic.
- Bootstrap5 was used in building a powerful front-end framework for faster and easier web development. All the attractive motions and designs were made using this framework. CSS was also used at some places wherever it was required which in turn helped us create attractive site in very less time.
- SQL lite3 database was used to store data regarding subject completion rate.

The portal can be accessed through any device which supports web browsers like Chrome, Safari, Opera Mini etc. and has atleast 4GB RAM.

## Objectives

- I. **Different stores at one place:** To connect different stores with our portal, so that a consumer can have many options for his/her shopping from different stores at one place is one of the main objectives of our website.
- II. **It saves time:** Online shopping reduces the need of walking to the stores each time a person is in need of something. A consumer can have it all within few clicks. Moreover, the order can be made anytime which saves times, unnecessary efforts and fuel as compared to the traditional walk-in store purchases.
- III. **Unwanted Purchase:** Most of the time when a person does shopping offline, they are likely to get attracted or tempted by many items which were never in thier shopping list initially and which lure them like cookies, biscuits, sausage roll, chocolates, juices, soft drinks, etc. Even if they didn’t want them before but now as they have seen them, they need them! Shopping online could have prevented this and would have saved their money.
- IV. **Comparisons:** Online shopping through ‘Home Mart’ simply makes the lives better for housewives and many other people who can’t go to store due reasons like health issue, lack of transportation, physically challenged, etc. The feature of price comparison is a big advantage

which the consumers would get through this portal as they will be able to buy different products at best and reasonable price.

- V. **Consumers can find everything they need:** Through search bar of our website, any person can easily find out the items within seconds. But in offline shopping this is a big problem faced by almost everyone because the surety of getting an item in a store is not assured and even sometimes, to purchase a single item a consumer might have to visit several stores.

## Purpose

Our project “Home Mart” is based on an online grocery delivery service site where consumers from both rural and urban areas can purchase the products at the best price available in their nearby location.

Our aim here is to develop a fast and user friendly portable web application which could automatically generate a delivery request and our delivery partners can proceed accordingly.

## Why Instant Delivery service is needed?

- i. **Higher level of consumer Satisfaction:** To meet the needs of consumers who cannot make it to the shop, Home Mart is the best solution. The consumer’s satisfaction will be met if they are able to receive the order they had placed or return the groceries on the same day due to early expiry date of some products. When you provide streamlined client services, people are more satisfied.
- ii. **Build a Relation of Trust:** The backbone of successful company is its happy consumers. The Home Mart tries to make it possible in every way possible for the users to get their products delivered on/before promised date/time. Their needs are fulfilled through express delivery.
- iii. **Less friction in Purchase Decision:** The biggest hurdle faced by the consumer is long wait period for the goods once the order has been placed. But in “Home Mart” people would have an option of “nearby location” which will indeed save time and extra delivery charges in order to ensure maximum profit for the consumers.

## Features

- The “Home Mart” is equipped with new technologies and features.
- The email packages include request module and SMTP module in order to provide support for delivering emails via script written in python to sign in into google account and communicate via mail by using Mailjet API.
- The Geo location is an API module that is responsible for getting location on the basis of longitude and latitude of the customer.
- These features will make this application more user-oriented and efficient and very easy to handle.

## CONCLUSION

Home Mart - Online Grocery store will satisfy the needs of several people. For those consumers who are unable to do shopping by walking into the store, like old people who sometimes may feel helpless because they can’t carry heavy items, ‘Home Mart’ is really a boon for them because through this they/anyone else can purchase grocery items from their favourite store on which they trust/rely for giving them pure products. As anyone can order items from their closest store, this marks to be one of the distinct features of this website. The delivery process is also faster as compared to other online Grocery shopping websites as consumers would get items in less time.

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