

A Project/Dissertation Review-1 Report

on

HOME ESSENTIALS: AN ONLINE GROCERY STORE

Submitted in partial fulfilment of the
requirement for the award of the degree of

Bachelor of Technology



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Abstract

The project Home Essential is an E-commerce platform for all the grocery needs. Online shopping has been reaching new products and markets each day. India is been adapting to these trends very well and there are millions of people who shop online today for various products ranging from electronics, health care, clothing etc. Shopping online for daily needs is the newer trends that been emerging over the time of past few years.

This project is a web-based grocery store where the user will be able to shop daily needs and requirements. The user can search for the product of their requirements and order them only using this platform. This has wide range of functionalities ranging from being able to search product, adding the selected items to the shopping cart, a checkout section and integration of payment gateway to pay for the order online saving the time and efforts of grocery shopping.

The website also has admin section to access all the orders been placed from the administration end.

List of Figures

Figure No.	Name	Page Number
1.	MERN Stack Architecture	3
2.	User Flow Diagram	4

Table of Contents

Title	Page No.
Abstract	I
List of Figures	II
Chapter 1 Introduction	1
1.1 Introduction	2
1.2 Tool and Technology Used	3
Chapter 2 Project Design	5
2.1 User Flow Diagram	

CHAPTER-1

Introduction

The grocery shopping is probably one of the very essential part for every household. It the first thing one does on receiving a pay check or salary. Now a days people tend shop for their needs from the comfort of your home itself using number of available Ecommerce Store around in matter of some click. The purchase ranges from technical gadgets, to skin care products, to many other things. The new addition to the list over the span last few years is India's e-grocery market is expected to be attractive for the next few years with more than 25 percent of the growth in the organized grocery segment projected to come from e-commerce. More than 25 percent of the organized grocery market's growth over the next few years could come from online shopping. For traditional modern trade players, this means e-commerce is no longer an option. It's a necessity. With the upcoming surge for the e-grocery shopping there we will requirement for more Ecommerce web site to bring the product from local retailer to the consumers over the web

Tools and Technologies Used:

The main thing about an e-commerce website development is the trunk end functionality. You can find hundreds of tens of thousands of requests that ping every minute from all over the world. The backend must support the data fetching from the server and display it in the front end. In addition to that, there are certainly a lot of other elements such as for instance logistics, payment gateways, supplier management, and more. These sophisticated features take a toll on the entire performance of the site. So, to transport out such complex tasks and to keep powerful round the clock, the trunk end should be robust and scalable; otherwise, the front end also collapses.

Following are the technologies used for the development of this project

1. Frontend

- HTML
- Tailwind CSS
- React
- JavaScript

2. Backend

- NodeJS
- ExpressJS

3. Database

- Mongo DB
- Mongoose

4. Payment Gateway

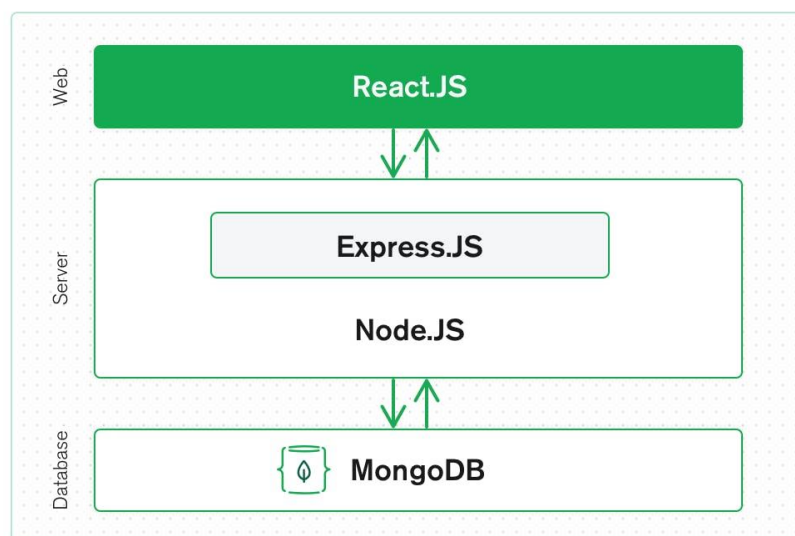
- PayPal / Razor Pay

These technologies could be put together as stack and commonly known as “MERN STACK”.

MERN stands for MongoDB, Express, React, Node, after the four key technologies that make up the stack.

- MongoDB - document database
- Express(.js) - Node.js web framework
- React(.js) - a client-side JavaScript framework
- Node(.js) - the premier JavaScript web server

The MERN architecture allows you to easily construct a 3-tier architecture (frontend, backend, database) entirely using JavaScript and JSON.



CHAPTER 2 Product Design

User Flow Diagram

