

Project profile

Project Definition:-

Online Grocery Shopping App

Institute Name:-

Government Engineering Collage-

Bhavnagar

Information Technology

Branch Name:-

Semester:-

8th

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1. Introduction

1.1 Project definition

- Online Grocery Shopping App is the platform that from users can buy the grocery and house hold item easily. It is allows customers to order groceries on anywhere using the mobile or desktops.

1.2 Objectives

- Online Grocery Shopping App is a platfrom where small scale retailers can sell their products and cosnumers can buy it .
- It is provide easy way where people can buy their grocery they not need to go out for buying grocery and they get fast delivery
- Many time people who live in remote areas are find dificulty to go out for their daily grocery need and many products they not find in local areas so with this platform people easily find any grocery products and can buy it

1.3 Scope

- With this platform small retailers easily sell their goods in large consumer market they find easily customers and grow their business.
- This platform also provide employment to the youth . People can join as delivery partners.
- This platform provide easy service of grocery buying to the senior citizens and they people who are not able go out for their daily need of groceries .

2. Tools and Technology

- **Technology Stack**
: Angular, ReactJS, NodeJS, MySQL, TypeScript
- **Tools**
:VS Code, Dbeaver database tool, Git

3. Possible outcomes

- **Save time:** Peoples who want to home deliver their grocery this patform provide them it is time efficient people not need to go out and find their groceries and

spend time on that they just need to select groceries from this platform and order it and it is delivered to their homes

- **Save money:** This platform provides groceries at very good price people can save money with this because this platform remove many mediator from the supply chain so it is make groceries cost effective . also helps to selller to reduce their magament cost

4. Challenges

- **Technical issue:** such as some time system goes to downtime, sometime like slow network problem to slow reload, contact issue if owner change his contact number, not contact to car owner.
- **Cybersecurity risk:** if some vulnerable of cyber attacks than some reputational person has damage his reputation.
- **Competitions:** increase competition current situation many different system with same definition and contain.
- **Location Issues:** sometime people provide unsufficient address so it make difficulties to deliver the orders
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5. Features

Online Grocery Shopping App system implement in this project some feature.

- **Product Catalog :** A comprehensive list of products organized by category, with detailed ,description , Images , and pricing information
- **Shpping Cart:** A user-friendly shopping cart that keeps track of items added by the customer and calculate the total cost of order including applicable discount and taxes.
- **Order Mangament :** A system for tracking and managing customer orders. Including updates on delivery status and the ability to view orer history
- **Customer Accounts:** An optional feature that allows customer to create and manage their own account , including saved shopping information and wish listed items

6. Limitation

- **Technical issue:** providing services in remote areas where network is measure issue.
- **Delivery Time Estimation :** It is hard to give perfect predicated date and time of product delivery and in big cities hard to provide one day delivery
- **Cost:** The cost of development, implementing and maintaining as online ecommerce can be high, especially for similar event organize with limited budgets.

7. Reference

- **Online grocery shopping app example :** Amazon fresh, groffers, etc
- **Learning:** <https://www.w3schools.com> , Reactjs Documentaiton , MDN Docs ,javatpoint etc