Karunya INSTITUTE OF TECHNOLOGY AND SCIENCES
(Declared as Deemed to be University under Sec.3 of the UGC Act, 1956)
A CHRISTIAN MINORITY RESIDENTIAL INSTITUTION
AICTE Approved & NAAC Accredited

A SKILL BASED EVALUATION REPORT

SUBMITTED BY

DAVID PAUL P

URK23CS8005

COURSE CODE

23CS2048

COURSE NAME

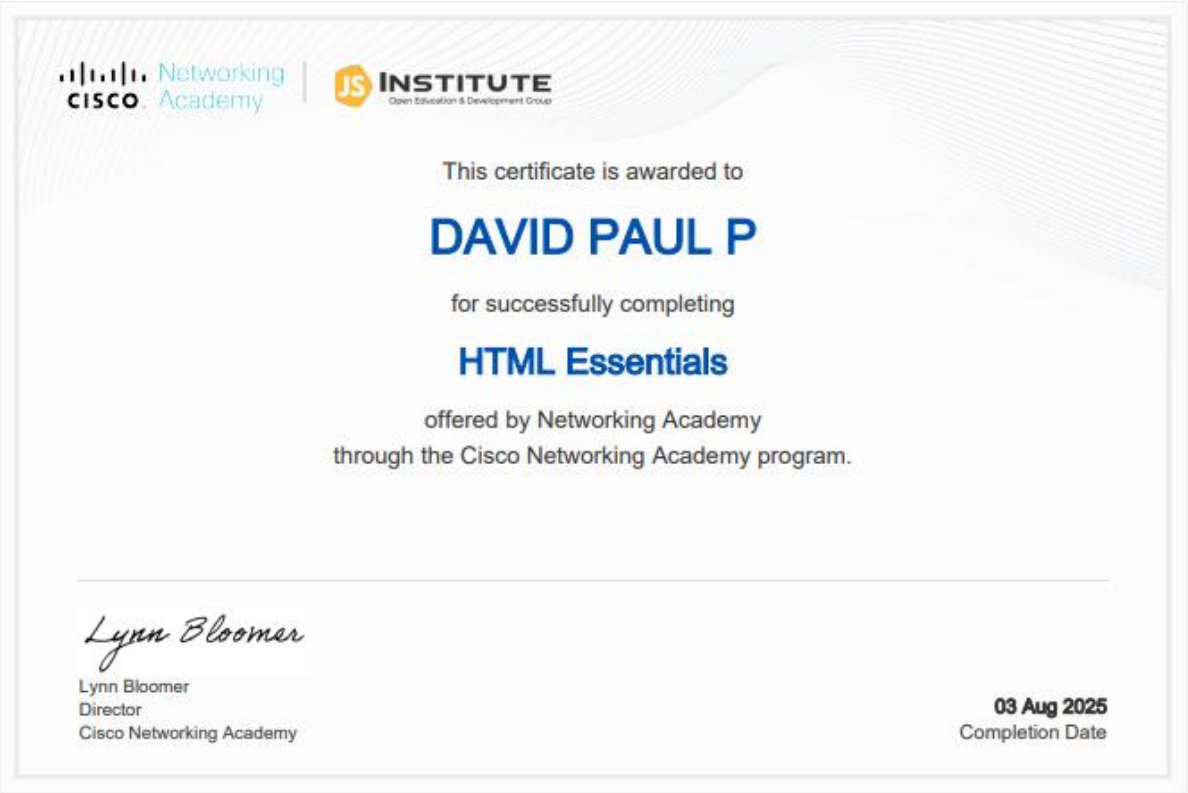
WEB TECHNOLOGY

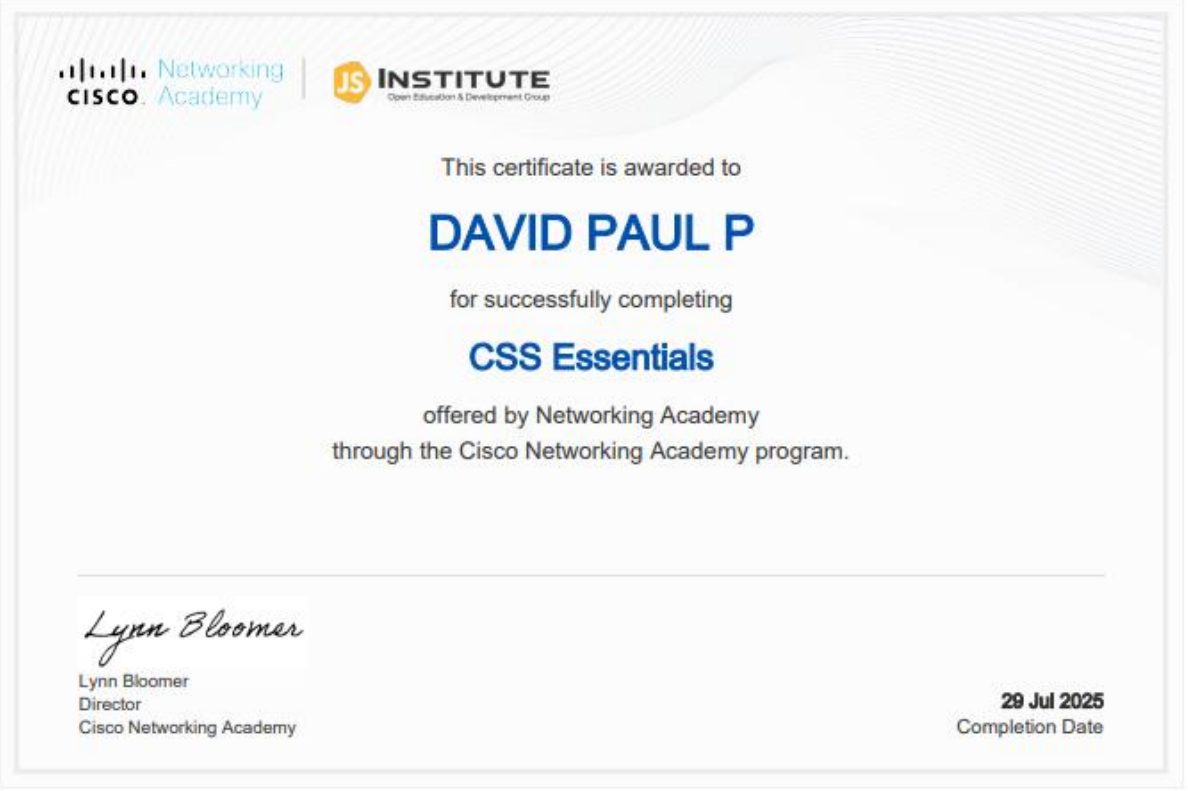
OCTOBER 2025

DIVISION OF COMPUTER SCIENCE AND ENGINEERING

SCHOOL OF COMPUTER SCIENCE AND TECHNOLOGY

CERTIFICATION





Networking Academy | JS INSTITUTE Open Education & Development Group

This certificate is awarded to

DAVID PAUL P

for successfully completing

JavaScript Essentials 1

offered by Networking Academy
through the Cisco Networking Academy program.

Lynn Bloomer
Director
Cisco Networking Academy

12 Sep 2025
Completion Date

Networking Academy | JS INSTITUTE Open Education & Development Group

This certificate is awarded to

DAVID PAUL P

for successfully completing

JavaScript Essentials 2

offered by Networking Academy
through the Cisco Networking Academy program.

Lynn Bloomer
Director
Cisco Networking Academy

19 Sep 2025
Completion Date

thingQbator

nasscom foundation

Certificate of Excellence

This is to certify that

Mr. / Ms ..... David Paul P .....

has successfully completed the course

Full Stack Development with MERN

as part of the thingQbator program

Jyoti Sharma
CEO
Nasscom Foundation
CSR Partner

RK Behera
Rakesh Kumar Behera
Chief Mentor
Zikshaa
Training Partner

The thingQbator Program is part of Cisco's CSR Commitments from **2018-2025**

GROCERY DELIVERY WEB APPLICATION

A REAL TIME APPLICATION REPORT

Submitted by

DAVID PAUL P

URK23CS8005

DIVISION OF COMPUTER SCIENCE AND ENGINEERING

KARUNYA INSTITUTE OF TECHNOLOGY AND SCIENCES
(Declared as Deemed-to-be-under Sec-3 of the UGC Act, 1956) Karunya Nagar, Coimbatore - 641 114. INDIA

OCTOBER 2025

ABSTRACT

This project focuses on developing a robust and scalable Online Grocery Delivery Web Application, enabling customers to conveniently browse, select, and purchase grocery items from a digital platform. The system incorporates real-time interaction, intuitive design, and secure transaction flow to simulate a modern e-commerce environment for grocery services.

The backend architecture is developed using Node.js and Express.js, providing high-performance server-side logic, efficient routing, and non-blocking I/O operations suitable for concurrent user requests. A RESTful API layer is implemented to ensure structured, secure, and seamless data communication between client and server.

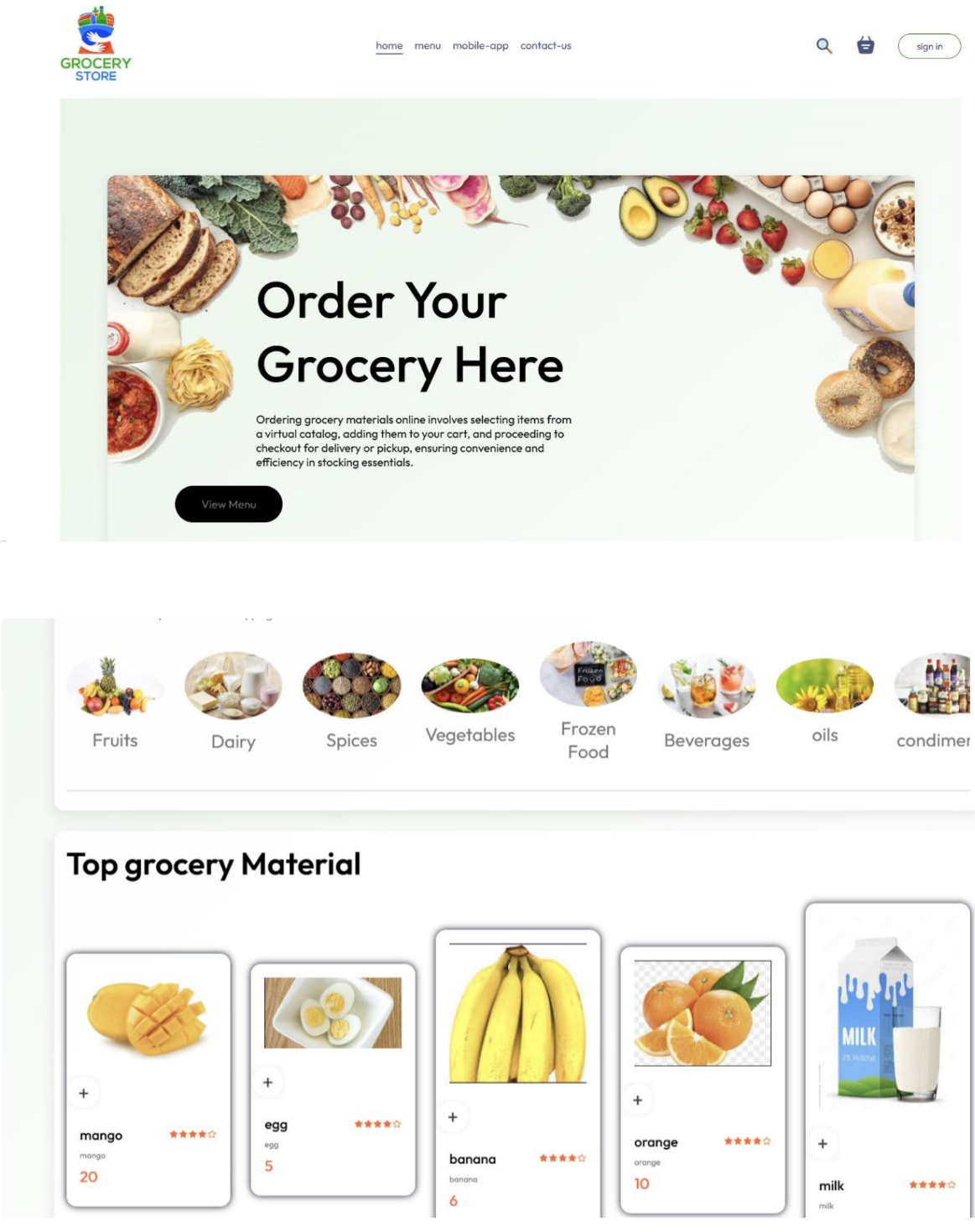
MongoDB, a NoSQL document-oriented database, is used as the core data storage solution for maintaining user profiles, product details, shopping cart data, and order records. Its flexible schema design supports rapid data retrieval and enhances application scalability for growing datasets. User authentication and authorization are secured through JSON Web Tokens (JWT) to protect user access and safeguard transaction data.

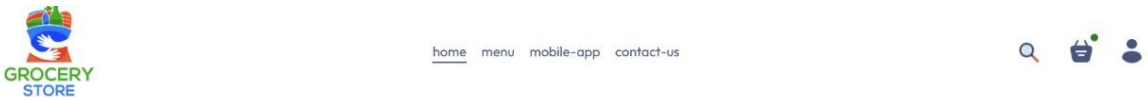
The frontend is built using React.js, emphasizing a responsive, fast-rendering, and dynamic user experience. Component-based UI development ensures reusability and maintainability of the interface. The customer interface enables product browsing, cart management, order placement, and payment processing, while the admin module facilitates product inventory management, order tracking, and business monitoring.

Project version control and collaboration are managed through Git and GitHub, enabling structured development, issue tracking, and continuous code updates. GitHub also ensures centralized repository hosting, accessible project scalability, and streamlined team workflows.

This application demonstrates a modern technological stack integration consisting of Node.js, Express.js, MongoDB, and React, suitable for real-world commercial deployment. It provides a reliable, secure, and responsive online grocery solution, addressing contemporary consumer needs for efficient home-delivery services while showcasing expertise in full-stack web development, database design, and cloud-based repository management.

SAMPLE OUTPUT SCREENSHOT





Items	Title	Price	Quantity	Total	Remove
	egg	Rs 5	2	Rs 10	X

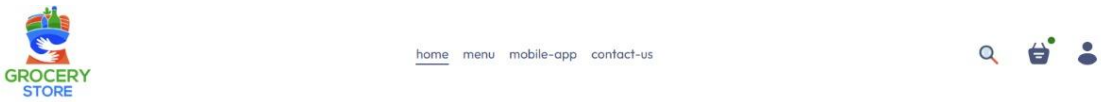
Cart Totals

Subtotal	Rs 10
Delivery Fees	Rs 2
Total	**Rs 12**

PROCEED TO CHECKOUT

If you have a promocode , Enter it here

promocode Submit



Delivery Information

First name | Last name

Email address

Street

City | State

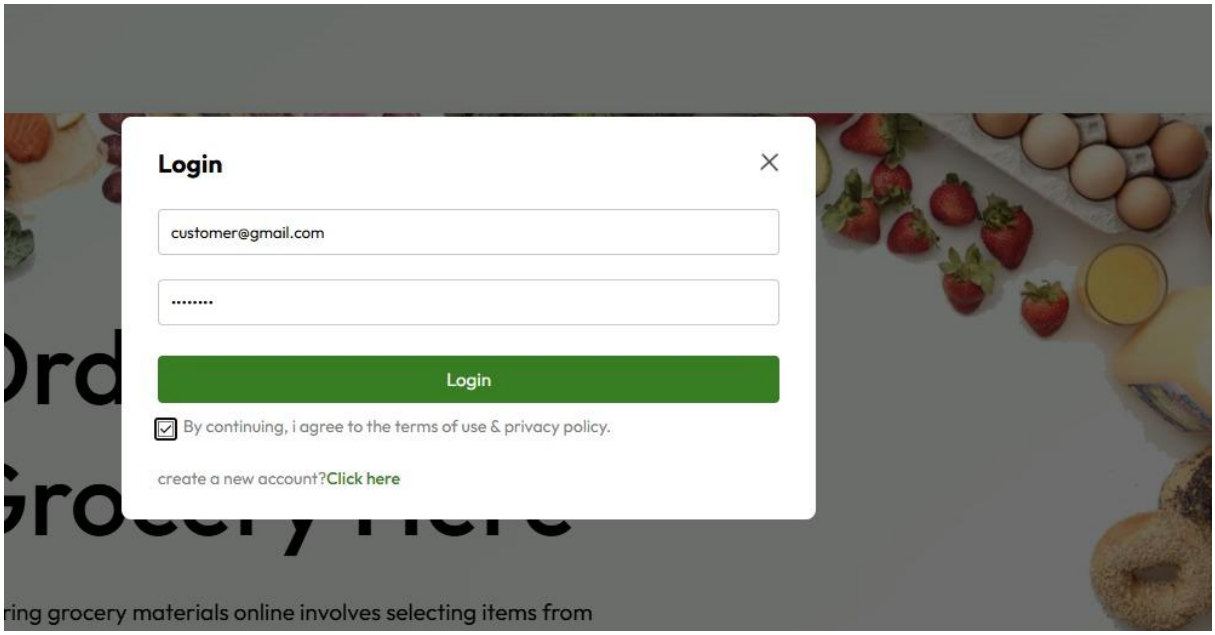
Zip Code | Country

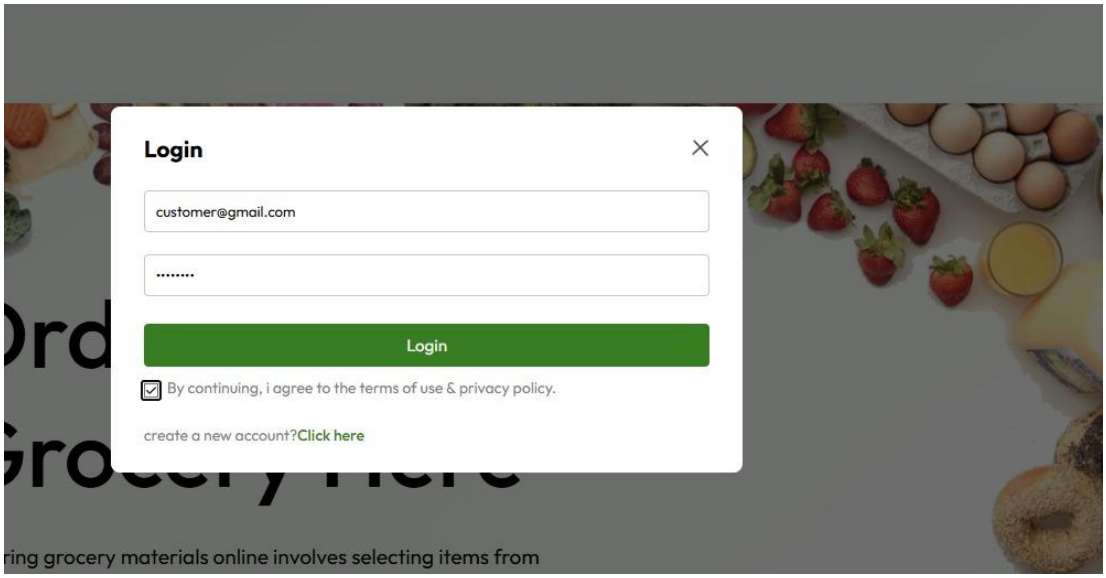
Phone

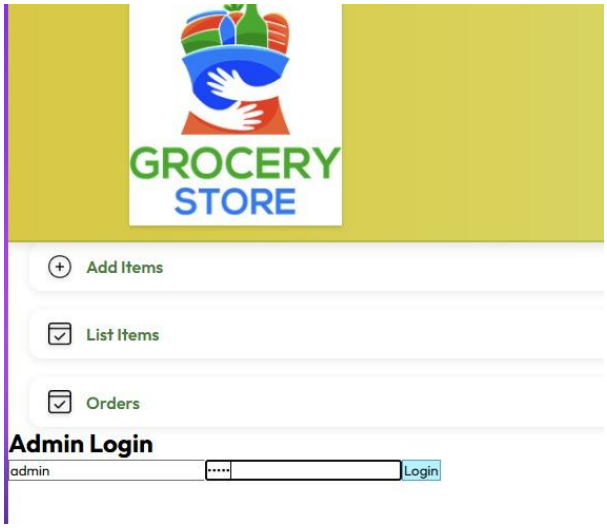
Cart Totals

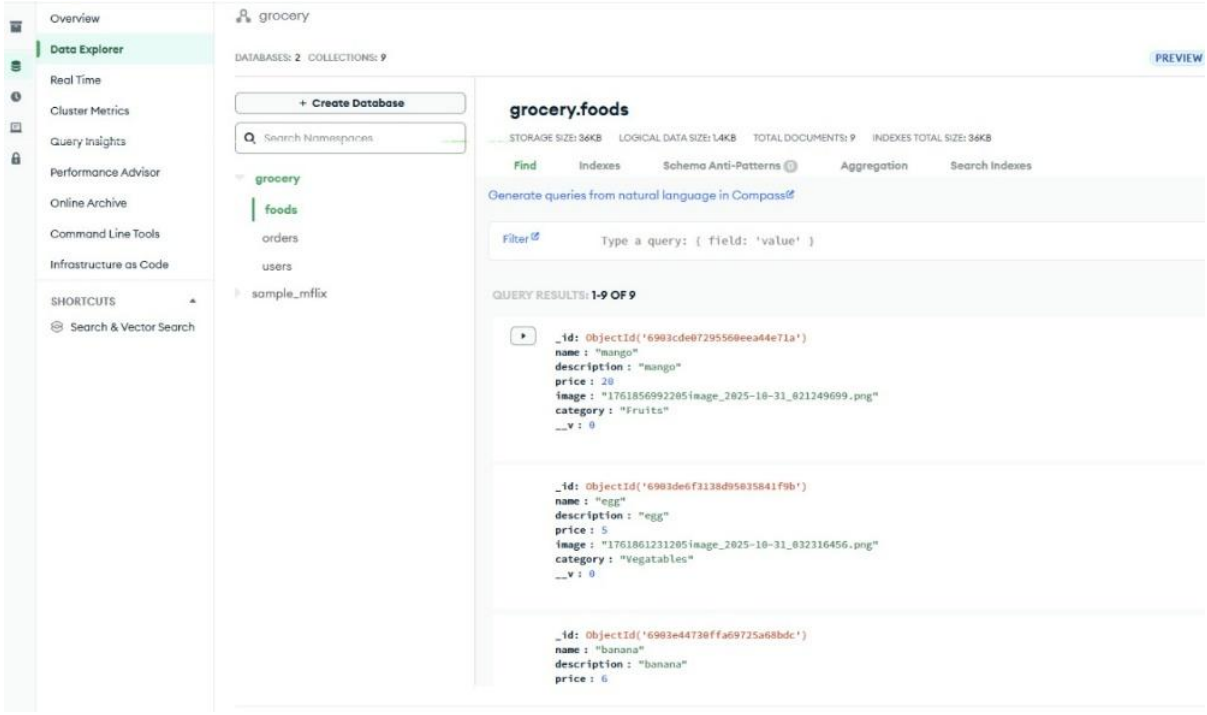
Subtotal	Rs 10
Delivery Fees	Rs 2
Total	**Rs 12**

PROCEED TO PAYMENT




Login
customer@gmail.com
Login
By continuing, i agree to the terms of use & privacy policy.
create a new account?Click here
ring grocery materials online involves selecting items from


GROCERY
STORE
Add Items
List Items
Orders
Admin Login
admin
Login


Overview
Data Explorer
Real Time
Cluster Metrics
Query Insights
Performance Advisor
Online Archive
Command Line Tools
Infrastructure as Code
SHORTCUTS
Search & Vector Search
grocery
DATABASES: 2 COLLECTIONS: 9
PREVIEW
+ Create Database
Search Namespaces
grocery
foods
orders
users
sample_mflix
grocery.foods
STORAGE SIZE: 36KB LOGICAL DATA SIZE: 1.4KB TOTAL DOCUMENTS: 9 INDEXES TOTAL SIZE: 36KB
Find Indexes Schema Anti-Patterns Aggregation Search Indexes
Generate queries from natural language in Compass
Filter
Type a query: { field: 'value' }
QUERY RESULTS: 1-9 OF 9
_id: ObjectId('6903cde07295560eea44e71a')
name : "mango"
description : "mango"
price : 20
image : "1761856992205image_2025-10-31_021249699.png"
category : "Fruits"
__v : 0
_id: ObjectId('6903de6f3138d95035841f9b')
name : "egg"
description : "egg"
price : 5
image : "1761861231205image_2025-10-31_032316456.png"
category : "Vegatables"
__v : 0
_id: ObjectId('6903e44730ffa69725a68bdc')
name : "banana"
description : "banana"
price : 6

EVALUATION SHEET

Reg.No : URK23CS8005

Name : DAVID PAUL P

Course code: 23CS2048

Course Name: Web Technology

S.No	Rubrics	Maximum Marks	Marks Obtained
1	Online Certification Course	10	
2	Project – Case Study	30	
Total		40	

Rubrics	Excellent	Good	Average	Below Average
Design of Website (5 Marks)				
Input Validation (5 Marks)				
Integration of Frontend and Backend (5 Marks)				
Presentation and Viva (10 Marks)				
GitHub Repository (2 Marks)				
Completeness of the Report (3 Marks)				

Signature of the Faculty-in-charge