Coding Academy by Orange

MASTERPIECE PROJECT

Title: Naseej

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4th Cohort

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Acknowledgments

Abstract

Naseej is an aggregate e-commerce platform dedicated to shops specializing in fabric and sewing materials. The platform aims to simplify the process of discovering and purchasing the desired items for users. Sellers can register their shops and showcase their products, while customers can browse a variety of fabrics and sewing supplies from different vendors in one place. The entire transaction process is managed through the website, providing a seamless shopping experience for both buyers and sellers.

Chapter 1: Introduction

1.1 Problem Statement

Shops that sell fabrics and sewing materials, especially those that are smaller or locally focused, often face challenges in reaching a broader customer base due to limited access to digital platforms. These shops may lack the technical know-how or resources to compete with larger e-commerce businesses, resulting in missed sales opportunities and constrained growth. On the other hand, consumers searching for specific fabrics or sewing materials often struggle to find reliable sources that meet their needs in terms of quality, variety, and convenience.

1.2 Solution

The Naseej platform aims to address these challenges by providing an aggregated e-commerce marketplace specifically designed for shops that sell fabrics and sewing materials. Through this platform, vendors can easily display their products, manage their inventories, and process orders through an intuitive interface. Customers benefit from the convenience of browsing a wide range of fabric options and sewing supplies from multiple sellers in one location, making it easier to find exactly what they need. The platform supports secure transactions, ensuring a safe and reliable shopping experience for both buyers and sellers. This approach opens new sales channels for local shops, empowering them to reach a wider audience and grow their businesses. Additionally, Naseej encourages the preservation and promotion of traditional fabric crafts by providing a dedicated space for these niche markets.

Chapter 2: Methodology

2.1 System Requirements

A.

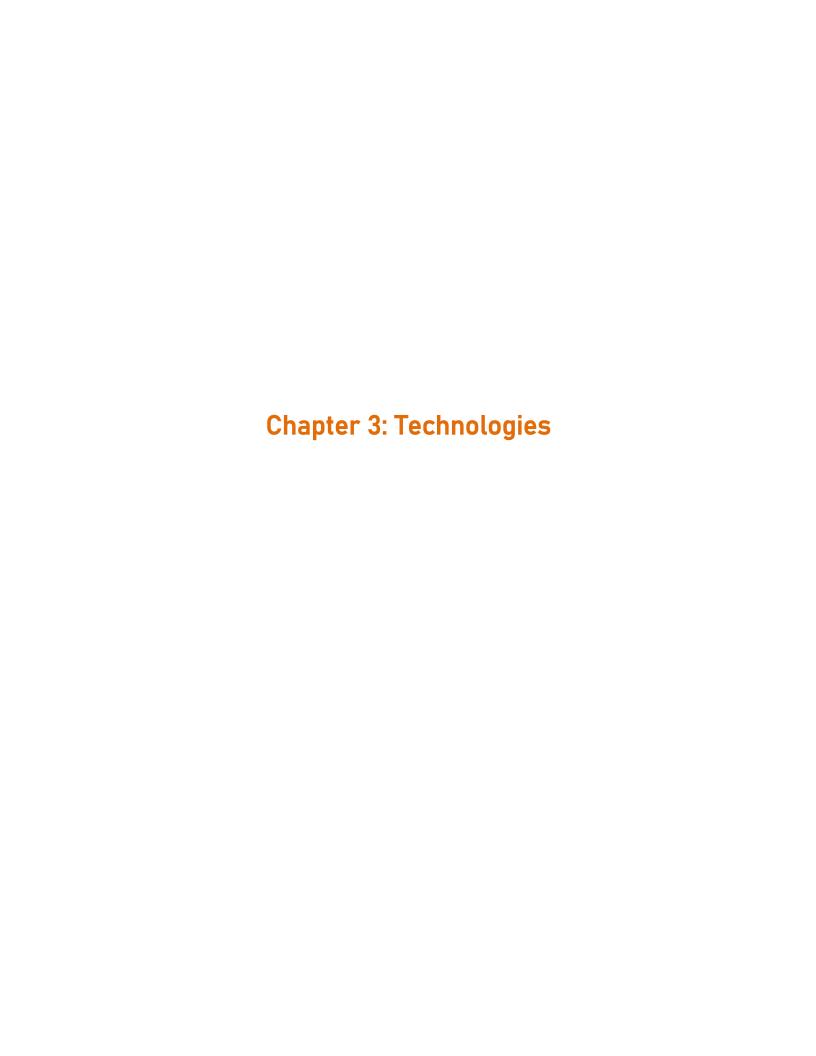| No	Requirement Description
1	The website allows users to sign in
2	The website allows admins to sign in
3	The website allows admin to access users' requests.
4	The website allows admin to show all user and our orders.
5	The website allows admin to add new categories and new products.
6	The website allows User to Fill Form To be Vendor
7	The website allows User to Make Order.

B.

No.	Requirement Description
	Ease of use: The website is user-friendly, simple, and responsive
	Safety and confidentiality: No one allowed to access user requests information other

than the authorized person, who are admins.

Chapter 3: Technologies

3.1 Programming Languages

No	Website
1	HTML5
2	CSS3 – Bootstrap
3	JavaScript
4	Core Api
5	SQL SERVER

3.2 Database

- Using SQL SERVER to manage operations database.

- There are 9 tables as shown in Shema below with necessary relation between them.

- Tables: Users, Businesses, Cart, CartItems, Orders, OrderItems, Payment, Products, Categories

Database schema:

Businesses
- ID
- Name
- OwnerID
- City
- Governate
- Logo
- StorePermit
- BusinessType
- Specialty
- status
- Phone
- OpenHour
- CloseHour
- Description
- Adress

Users
- ID
- Name
- Email
- PasswordHash
- PasswordSalt
- Image
- Phone
- City
- Governate
- IsBusinessOwner
- BirthDay
- Address

Orders
- ID
- UserID
- OrderDate
- Total
- ShippingAddress
- City
- Governate
- Status
- ShippingCost
- FinalTotal
- CouponsID
- PaymentsID

Payments
- ID
- PaymentMethod
- Date
- Status

Carts
- ID
- UserID

OrderItems
- ID
- OrderID
- ProductID
- Quantity
- PriceAtPurchase
- Color
- IsSample

CartItems
- ID
- CartID
- ProductID
- Quantity
- PriceAtPurchase
- Color
- IsSample

Products
- ID
- Name
- CategoryID
- Type
- Price
- Color
- Stock
- Image
- Image2
- Image3
- Image4
- SalePercentage
- Description
- BusinessId

Categories
- ID
- Name
- SubCategory
- Image
- Usage
- Care
- Description

Pages :
- Home page
  - Hero Image
  - Action Button
  - Slider
  - Categories
  - latest
- Show All Product And Filters
  - View all Product and filter them by
    - Main category
    - Sub-category
    - Price
    - Color
- Single Product
  - Detailed Product Info With Store
  - Add To Cart – specify quantity and color
- User profile
  - User Info
  - Order History
  - Edit Information, Password And Location
  - Store Submission Form
  - Store Mini-Dashboard
    - Add product
    - Edit product
    - ♦

Admin Dashboard:
- Users
  - View-Add -Edit & Delete users
- Vendors
  - View-Add -Edit & Delete Vendor

- Categories
  - View-Add -Edit & Delete categories

- Product
  - View-Add -Edit & Delete Product