

A Project Report

On

INDEV – India's Newest

Direct Ecommerce

Vendor

Abstract of The Project

This project, **INDEV – India’s Newest Direct E-Commerce Vendor**, is an advanced e-commerce platform designed to connect multiple buyers and sellers in a seamless digital marketplace. It offers a **multi-vendor multi-buyer system**, enabling sellers to list products and manage orders while allowing buyers to browse, purchase, and track deliveries efficiently.

The platform addresses key challenges in traditional eCommerce, such as **limited reach, high operational costs, and inefficiencies in order processing**. By integrating a streamlined order management system, and a user-friendly interface, INDEV ensures a smooth and efficient shopping experience.

Developed using **Microsoft Visual Studio Code, HTML, CSS and JS for frontend** and **Python Django for backend**, the system ensures scalability, security, and reliability. With features like **product listing, order placement, delivery tracking, and user management**, the platform aims to revolutionize the eCommerce landscape.

This project highlights the importance of a **direct-to-consumer approach**, reducing dependency on intermediaries and enhancing the overall efficiency of online shopping.

Index

SR NO	Page
01.	Front Page
02.	Abstract
03.	Index
04.	Project Profile
05.	Identification of Problem & Proposing Solution
06.	Pre-Dev Requisites & Post-Dev Requirements
07.	Three Categories of Users
08.	Data Flow Diagram
09.	Entity Relationship Diagram
10.	Data Dictionary
11.	Technologies Used from Django Framework
12.	Guest Side User Input
13.	Buyer Side User Input
14.	Seller Side User Input
15.	Admin Side User Input
16.	Future Enhancements
17.	Bibliography
18.	Back Cover

Project Profile

Header	Text
Project Title	INDEV
Project Definition	Ecommerce Website
Project Type	Web Based Application
Developed By	Jaspreet Singh Raval Viraj Shaikh Sahil
Frontend Tool	Microsoft Visual Studio Code 2024
Backend Tool	Python Django Localhost Server
Database	SQLite

Identification of Problem and Proposing Solution

Problems Within Existing System

- 1. Limited Reach** – Many platforms struggle to serve Tier 2 & Tier 3 cities, leaving a large customer base underserved.
- 2. Time-Consuming Process** – Lengthy product searches, checkout delays, and slow deliveries make shopping inefficient.
- 3. High Manpower Requirements** – Traditional commerce models require extensive workforce management for sellers, logistics, and customer support.
- 4. Increased Product Prices** – Middlemen and commissions drive up costs, making products more expensive for consumers.
- 5. Resource-Intensive Operations** – Managing multiple sellers, warehouses, and logistics networks leads to higher operational costs.
- 6. Complex Supply Chain** – Multi-tier vendor systems create inefficiencies in product availability and delivery timelines.
- 7. Data Privacy & Security Risks** – Customer data is often shared with multiple vendors, increasing the risk of breaches.

Need For New System

- 1. Wider Reach** – A direct vendor model ensures seamless access to Tier 2 & Tier 3 cities, expanding market coverage.
- 2. Faster Shopping & Delivery** – Eliminating middlemen and other streamlines processes, reducing delays in order fulfillment.
- 3. Reduced Manpower Costs** – Automating order processing, logistics, and customer support lowers operational workforce dependency.
- 4. Lower Product Prices** – Direct sourcing from manufacturers minimizes extra charges, making products more affordable.
- 5. Efficient Resource Utilization** – Optimized inventory and logistics management cut down unnecessary resource consumption.
- 6. Simplified Supply Chain** – A direct vendor approach enhances product availability and delivery speed.
- 7. Improved Data Security** – Secure transactions and direct vendor interactions minimize data privacy risks.

Proposed New System – INDEV

INDEV is a **multi-vendor, multi-buyer eCommerce platform** that connects sellers directly with consumers, eliminating middlemen to ensure affordable pricing, buyer & seller authenticity.

Key Features of the Proposed System :-

- 1. Multi-Vendor System** – Allows multiple vendors to list and sell products directly, ensuring authenticity and competitive pricing.
- 2. Multi-Buyer System** – Supports multiple customers simultaneously with a seamless shopping experience.
- 3. Product Listing** – Vendors can easily upload product details, images, and pricing.
- 4. Placing Orders** – Customers can browse, add items to the cart, and place orders for one or multiple products simultaneously.
- 5. Delivery Tracking System** – Real-time shipment tracking keeps customers updated on order status.
- 6. Report Generation** – Registered vendors are provided additional features of generating reports of their own.
- 7. Scalable & Future-Ready** – Built on Python Django with a user-friendly frontend, designed for future expansion and enhanced features.

INDEV – INDIA’S NEWEST DIRECT ECOMMERCE VENDOR

- **INDEV – INDEV** is an Acronym
- **I – India’s** : Focused on transforming India’s eCommerce landscape.
- **N – Newest** : A fresh, innovative platform redefining online shopping.
- **D – Direct** : Eliminates middlemen for better pricing and authenticity.
- **E – E-commerce** : A seamless digital marketplace for diverse products.
- **V – Vendor** : Connecting consumers directly to trusted brands.

□ Introduction to INDEV

❖ What is INDEV?

- ✓ A direct eCommerce platform offering a seamless shopping experience.
- ✓ Eliminates middlemen to ensure better pricing and transparency.

❖ Why INDEV?

- ✓ Because the name easily conveys the meaning and its purpose.

- ✓ It has a flare of patriotism to it.

Pre-Development Requisites and Post-Development Requirements

Pre-Development Requisites

➤ Hardware :-

- 1. Device :** Desktop, Laptop
- 2. Processor :** 2.5 GHZ +
- 3. RAM :** At least 8GB RAM (16GB recommended for better performance)
- 4. Storage :** 10 GB of free space (for media files)

➤ Software :-

- 1. Operating System :** Windows, macOS, Linux
- 2. Browser Support :** Chrome, Edge , etc (latest versions)
- 3. Development Environment :** Python and its modules
 - 1) Pip**
 - 2) Virtualenv**
 - 3) Django**
 - 4) Pillow**
 - 5) Csv**
- 4. Software :** Visual Studio Code (latest version)

Post-Dev Hardware Requirements

➤ Client Side :-

- 1. Device :** Desktop, Laptop
- 2. Processor :** 2.0 GHZ +
- 3. RAM :** At least 4GB RAM (8GB recommended for better performance)
- 4. Storage :** 1 GB of free space (for browser cache)

➤ Server Side :-

- 1. Device :** Desktop, Laptop
- 2. Processor :** 2.5 GHZ +
- 3. RAM :** At least 8GB RAM (16GB recommended for better performance)
- 4. Storage :** 10 GB of free space (for media files)

Post-Dev Software Requirements

➤ Client Side :-

- 1. Operating System :** Windows, macOS, Linux
- 2. Browser Support :** Chrome, Edge , etc (latest versions)

➤ Server Side :-

- 1. Operating System :** Windows, macOS, Linux
- 2. Browser Support :** Chrome, Edge , etc (latest versions)
- 3. Server Support :** Python Django Localhost
- 4. Database Support :** Python Django Sqlite

The Three Category of Users and Their Roles

Admin Category and Roles

ROLE	ADMIN
1.	Login
2.	Superuser
3.	Add New Category
4.	Update Order Status

Buyer Category and Roles

ROLE	BUYER
1.	Register/Login
2.	View All Products, Shops and Categories View Their Cart and Orders
3.	Add Remove Products in Cart Increase Decrease Quantity in Cart
4.	Create Order Cancel Placed Order and Delete Delivered Order

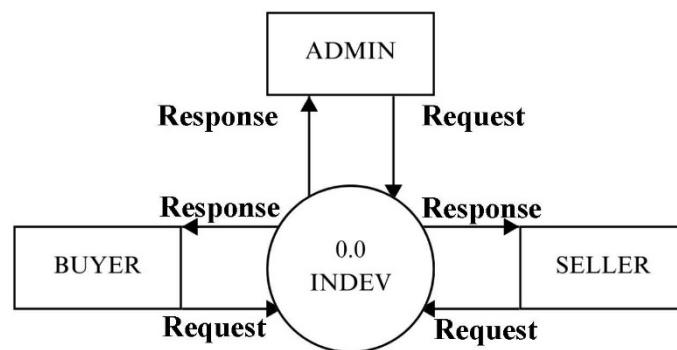
Seller Category and Roles

ROLE	SELLER
1.	Register/Login
2.	View Their Products, Categories and Orders

3.	Add Product, Update Stock and Delete Product
4.	Accept or Reject Order

Data Flow Diagram

Context Level DFD



❖Explanation of the Context Level DFD for INDEV

A **Context Level Data Flow Diagram (DFD)** provides a high-level overview of how data moves within the system, showing the interaction between external entities (**Admin**, **Buyer**, **Seller**) and the central system (**INDEV eCommerce Platform**).

❖Entities and Their Interactions:

1. Admin:

- **Request:** Admin interacts with INDEV to manage categories, update order status, and oversee the system.
- **Response:** The system provides requested data and confirmation of actions performed.

2. Buyer:

- **Request:** Buyers send requests to the system for actions such as browsing products, adding/removing items in the cart, and placing/canceling orders.
- **Response:** INDEV responds with product listings, order updates, and cart modifications.

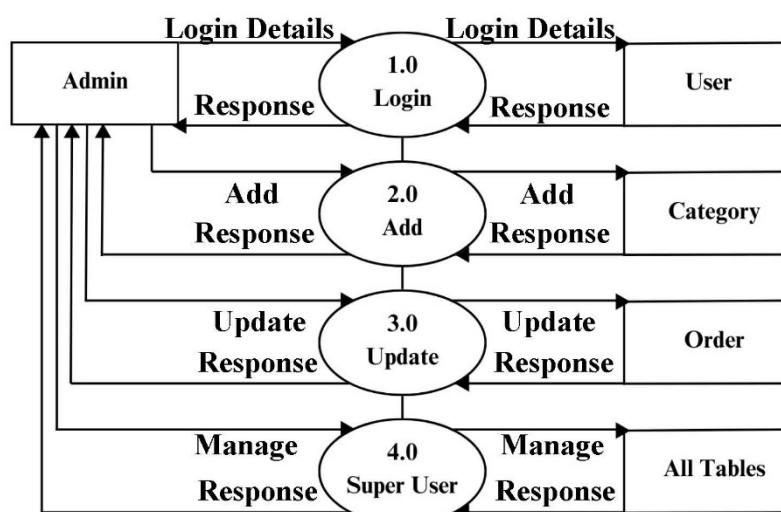
3. Seller:

- **Request:** Sellers submit requests to list new products, update product details, and accept/reject orders.
- **Response:** INDEV provides order status, product management feedback, and sales reports.

❖ Key Features of This Diagram:

- **The central circle (INDEV) represents the eCommerce system** that processes all user requests and responses.
- **Arrows indicate the direction of data flow**, showing how requests and responses travel between entities.
- **Simplified representation** of the entire system in a single diagram, without internal process details.

Admin Level DFD



❖Explanation of the Admin Level DFD for INDEV

This **Admin Level Data Flow Diagram (DFD)** provides a more detailed view of how the Admin interacts with the **INDEV system**, focusing on key administrative functionalities.

❖Entities and Data Flow:

1. Admin (External Entity)

- The **Admin** is responsible for managing users, categories, orders, and system data.
- Interacts with different modules of the system for login, adding new data, updating records, and superuser access.

2. Processes (Circles in the DFD)

- **1.0 Login:** The admin logs in by entering credentials, and the system verifies the details, responding with authentication success or failure.
- **2.0 Add:** The admin can add new categories, and the system responds by updating the database and confirming the addition.
- **3.0 Update:** Admin updates existing order statuses (e.g., pending, shipped, delivered), and the system processes and reflects these updates.
- **4.0 Super User:** This process grants special access to manage all system data tables, allowing modifications at a higher level.

3. External Interactions (Models on the Right Side)

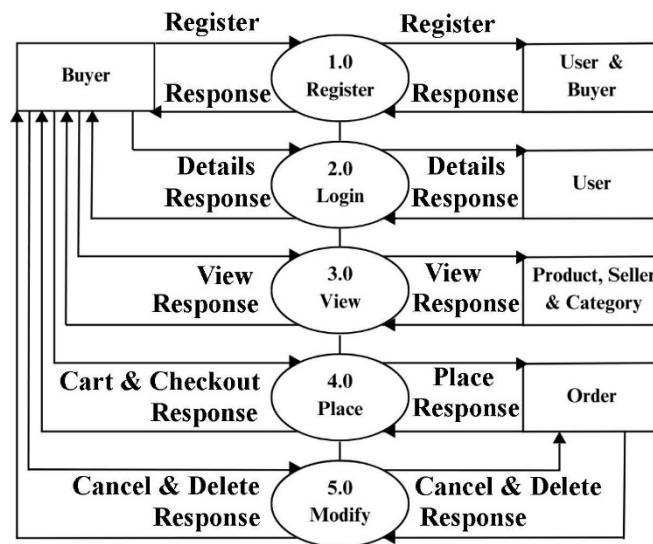
- **User:** Provides login details, and the system authenticates.
- **Category:** New categories added by the admin.
- **Order:** Receives updates related to orders.
- **All Tables:** The superuser manages all system tables, making changes where necessary.

❖ Key Takeaways:

- The Admin is the **central controller** of the system, managing categories, users, and orders.

- The system **responds to admin actions** by providing confirmation or updates.
- The **Super User role grants access to all tables**, ensuring complete administrative control.

Buyer Level DFD



❖Explanation of the Buyer Level DFD for INDEV

This **Buyer Level Data Flow Diagram (DFD)** shows how a buyer interacts with the **INDEV eCommerce system** and the data flow across different processes.

❖ Entities and Data Flow:

1. Buyer (External Entity)

- The **Buyer** interacts with the system by registering, logging in, viewing products, placing orders, and modifying orders.

2. Processes (Circles in the DFD)

- **1.0 Register:** The buyer provides registration details, and the system responds by storing the user data and confirming registration.
- **2.0 Login:** The buyer logs into the system by providing login credentials, and the system verifies and grants access.
- **3.0 View:** Buyers can view products, sellers, and categories, receive relevant data from the system.
- **4.0 Place Order:** Buyers add products to their cart, proceed to checkout, and place orders, with the system processing and storing order details.
- **5.0 Modify Order:** Buyers can cancel or delete their placed orders, and the system updates the order status accordingly.

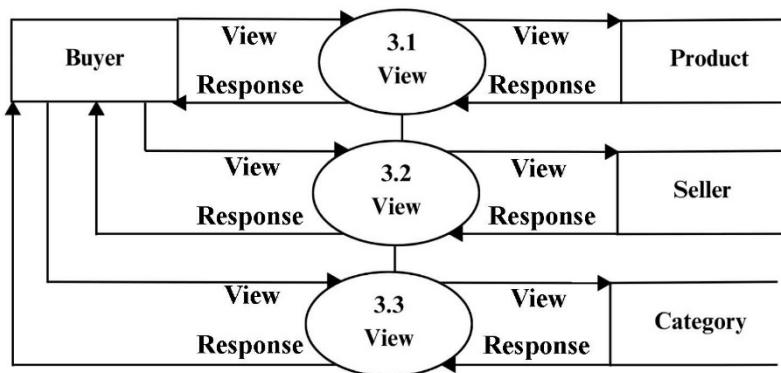
3. External Interactions (Models on the Right Side)

- **User & Buyer:** Stores registration and login details.
- **Product, Seller & Category:** Provides product listings and seller details.
- **Order:** Stores placed orders and modifications.

❖ **Key Takeaways:**

- Buyers follow a **structured process**, from registration to order placement and modification.
- The system **responds dynamically** to user actions, such as login verification, product listing, and order confirmation.
- Data flows seamlessly between **buyers and system components** for an efficient shopping experience.

Buyer Level 3.1 DFD



❖Explanation of Buyer Level 3.1 DFD

The **Buyer Level 3.1 Data Flow Diagram (DFD)** provides a detailed breakdown of the "View" process in the **INDEV eCommerce system**. It highlights how a buyer interacts with different elements of the marketplace.

❖Entities and Data Flow:

1. Buyer (External Entity)

- The **Buyer** initiates a request to view details in the system, which can be related to **Products, Sellers, or Categories**.

2. Processes (Circles in the DFD)

- **3.1 View Product:** The buyer sends a request to view product details, and the system fetches product data and sends a response.
- **3.2 View Seller:** The buyer requests information about sellers, and the system retrieves the seller data.
- **3.3 View Category:** The buyer requests product categories, and the system returns the relevant category details.

3. External Interactions (Models on the Right Side)

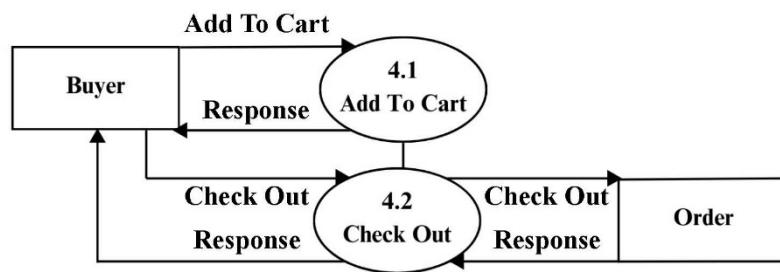
- **Product Database:** Stores product details.
- **Seller Database:** Contains information about registered sellers.
- **Category Database:** Organizes products into different categories for easy navigation.

❖ Key Insights:

- This DFD **decomposes the general "View" function** from the main Buyer Level DFD into specific **sub-processes** for products, sellers, and categories.
- Buyers **receive dynamic responses** based on their requests, allowing for an interactive shopping experience.

- The system ensures quick retrieval of relevant data to enhance user experience.

Buyer Level 4.1 DFD



❖Explanation of Buyer Level 4.1 DFD

The **Buyer Level 4.1 Data Flow Diagram (DFD)** represents the **shopping cart and checkout process** in the INDEV eCommerce system. It details how a buyer interacts with the system while adding items to the cart and placing an order.

❖Entities and Data Flow:

1. Buyer (External Entity)

- The buyer initiates two key actions:
 - **Add to Cart** (4.1)
 - **Check Out** (4.2)

2. Processes (Circles in the DFD)

◦ 4.1 Add To Cart:

- The buyer selects a product and adds it to their shopping cart.
- The system updates the cart and provides a response (confirmation or error message).

◦ 4.2 Check Out:

- The buyer proceeds to checkout after finalizing their cart.
- The system processes the order and sends a confirmation response.
- The final order is placed and stored in the system.

3. External Interactions (Entities on the Right Side)

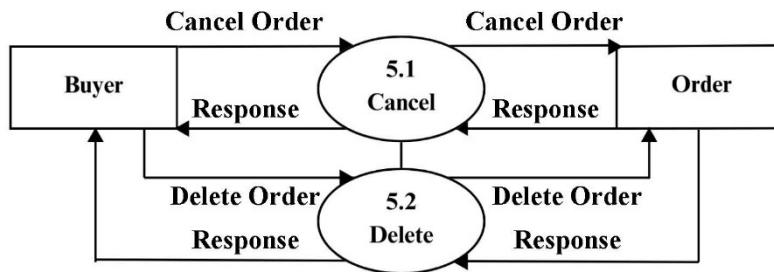
- **Order System:** After checkout, the order details are stored in the system for further processing (such as payment and delivery).

❖ Key Insights:

- This **DFD models the buyer's shopping experience**, from adding products to the cart to finalizing a purchase.
- The **flow ensures a smooth transaction process**, guiding the buyer through essential steps.

- The **responses ensure real-time feedback**, such as confirming a successful cart update or checkout process.

Buyer Level 5.1 DFD



❖Explanation of Buyer Level 5.1 DFD

The **Buyer Level 5.1 Data Flow Diagram (DFD)** represents the **order cancellation and deletion process** in the INDEV eCommerce system. It outlines how a buyer interacts with the system when they want to cancel or delete an order.

❖Entities and Data Flow:

1. Buyer (External Entity)

- The buyer initiates two main actions:
 - **Cancel Order (5.1)**
 - **Delete Order (5.2)**

2. Processes (Circles in the DFD)

- **5.1 Cancel Order:**
 - The buyer requests to cancel an order.
 - The system processes the cancellation request and sends a response.
 - The order status is updated accordingly.
- **5.2 Delete Order:**
 - The buyer may choose to delete an order from their order history.
 - The system processes the delete request and sends a confirmation response.

3. External Interactions (Entities on the Right Side)

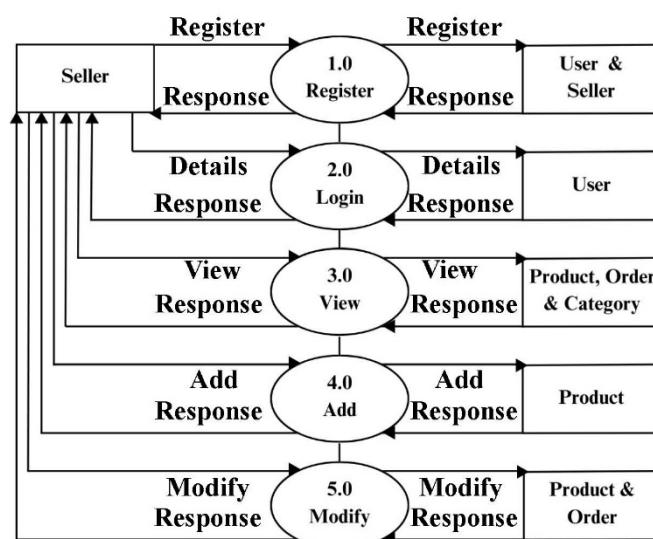
- **Order System:**
 - Both **cancellation and deletion requests** interact with the **order database/system** to modify order records.

Key Insights:

- This **DFD models the post-purchase actions** available to buyers.

- **Order cancellation ensures flexibility**, allowing buyers to revoke an order before fulfilment.
- **Order deletion removes order records**, potentially for privacy or organization.
- The **response flow ensures feedback to the buyer**, such as confirming successful cancellation or deletion.

Seller Level DFD



❖Explanation of the Seller Level DFD for INDEV

This **Seller Level Data Flow Diagram (DFD)** illustrates how a seller interacts with the **INDEV eCommerce system**, handling products, order management, and modifications.

Entities and Data Flow:

1. Seller (External Entity)

- The **Seller** interacts with the system by registering, logging in, viewing product details, adding new products, and modifying existing listings or orders.

2. Processes (Circles in the DFD)

- **1.0 Register:** The seller provides registration details, and the system stores the details and confirms registration.
- **2.0 Login:** The seller logs in by providing credentials, system verifies access and retrieves seller details.
- **3.0 View:** The seller can view product categories, orders, and other relevant details. The system fetches data based on the seller's requests.
- **4.0 Add:** Sellers can add new products, and the system updates the product database accordingly.
- **5.0 Modify:** Sellers can update product details or manage orders, with the system reflecting these changes in the database.

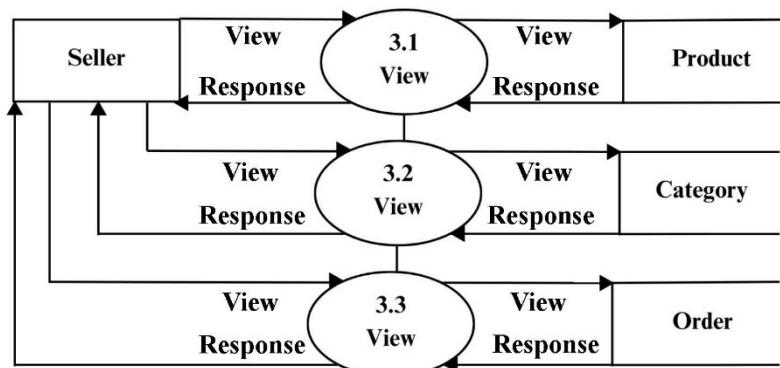
3. External Interactions (Entities on the Right Side)

- **User & Seller:** Stores registration and login details.
- **Product, Order & Category:** Provides sellers with relevant data for viewing and modifying listings.
- **Product & Order:** Stores newly added products and updated orders.

Key Takeaways:

- Sellers play a crucial role in maintaining **product availability** and managing orders.
- The system ensures **seamless data handling**, allowing sellers to add and modify products dynamically.
- The interaction between **sellers and the order system** keeps inventory and transactions up to date.

Seller Level 3.1 DFD



❖Explanation of Seller Level 3.1 DFD

The **Seller Level 3.1 Data Flow Diagram (DFD)** represents how a seller interacts with the system to view different types of information related to their business.

❖ Entities and Data Flow:

1. Seller (External Entity)

- The **Buyer** initiates a request to view details in the system, which can be related to **Products, Categories, or Orders.**

2. Processes (Circles in the DFD)

◦ 3.1 View Product

- The seller requests to view product details.
- The system retrieves product information and sends a response.

◦ 3.2 View Category

- The seller requests to view categories of products.
- The system retrieves category information and sends a response.

◦ 3.3 View Order

- The seller requests to view order details.
- The system retrieves order-related information and sends a response.

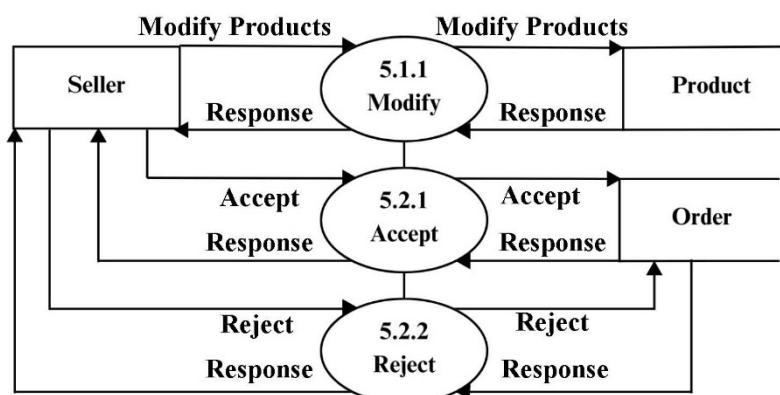
3. External Interactions (Models on the Right Side)

- **Product** : Stores product details.
- **Category** : Stores product categories.
- **Order** : Stores order information.

❖ Key Insights:

- This **DFD models the seller's ability to retrieve data** regarding their products, categories, and orders.
- **Efficient data retrieval is crucial for sellers** to manage their inventory and track sales.
- The **response flow ensures that sellers receive up-to-date information** when viewing different records.

Seller Level 5.1 DFD



❖Explanation of Seller Level 5.1 DFD

The **Seller Level 5.1 Data Flow Diagram (DFD)** represents how a seller interacts with the system to modify products and manage order approvals.

❖ Entities and Data Flow:

1. Seller (External Entity)

❖ The seller initiates three main actions:

- **Modify Product (5.1.1)**
- **Cancel Order (5.2.1)**
- **Delete Order (5.2.2)**

2. Processes (Circles in the DFD)

❖ 5.1.1 Modify Product

- The seller modifies product details (e.g., updating price, stock, description).
- The system updates the product and sends a response back.

❖ 5.2.1 Accept Order

- The seller accepts an order request.
- The system updates the order status and sends a response.

❖ 5.2.2 Reject Order

- The seller rejects an order request.
- The system updates the order status accordingly and sends a response.

3. External Interactions (Entities on the Right Side)

❖ **Product Database:** Stores and updates product details.

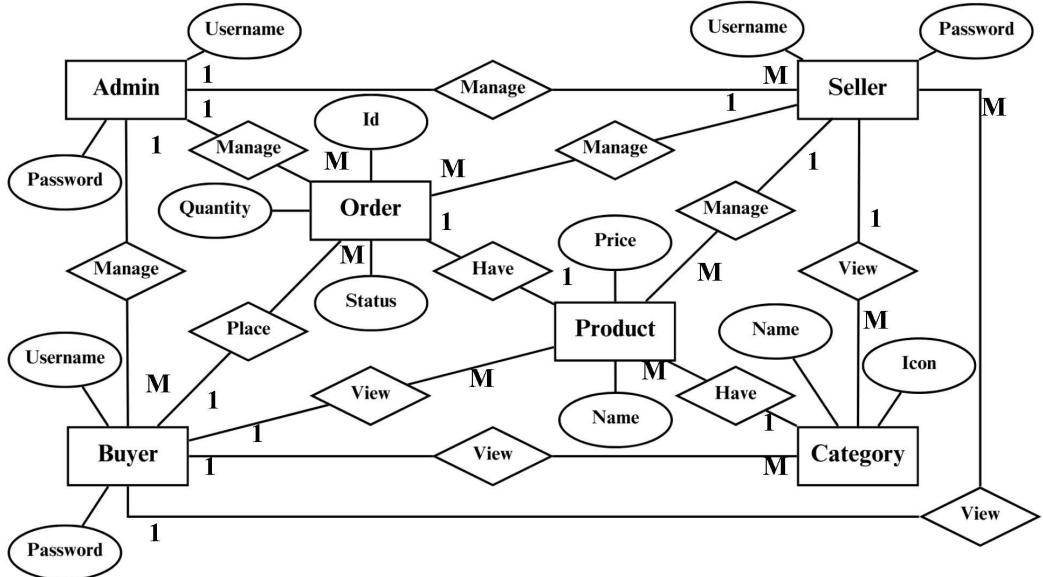
❖ **Order Database:** Manages order acceptance or rejection.

❖ Key Insights:

- This **DFD** models the seller's ability to manage product listings and handle customer orders.
- **Order acceptance and rejection** are crucial for managing inventory and fulfilment.
- **Product modifications** ensure that the latest information is available to buyers.

Entity Relationship Diagram

Entity Relationship Diagram



❖Explanation of the Entity Relationship Diagram (ERD)

This **Entity Relationship Diagram (ERD)** represents the structure and relationships within an eCommerce system. It includes key entities such as **Admin**, **Seller**, **Buyer**, **Order**, **Product**, and **Category**, along with their attributes and associations.

❖Key Entities and Their Relationships:

1. Admin

- Attributes: Username, Password.
- Relationships:
 - **Manages Sellers** (One-to-Many, 1:M).
 - **Manages Buyers** (One-to-Many, 1:M).
 - **Manages Orders** (One-to-Many, 1:M).

2. Seller

- Attributes: Username, Password.
- Relationships:
 - **Manages Products** (One-to-Many, 1:M).
 - **Manages Orders** (One-to-Many, 1:M).
 - **Views Categories** (Many-to-Many, M:M).

3. Buyer

- Attributes: Username, Password.
- Relationships:
 - **Places Orders** (One-to-Many, 1:M).
 - **Views Products, Sellers and Categories** (One-to-Many, 1:M).

4. Order

- Attributes: ID, Quantity, Status.
- Relationships:
 - **Placed by Buyers** (Many-to-One, M:1).
 - **Managed by Admin** (Many-to-One, M:1).
 - **Has Products** (One-to-One, 1:1).

5. Product

- Attributes: Name, Price.
- Relationships:
 - **Managed by Sellers** (Many-to-One, M:1).
 - **Belongs to Categories** (Many-to-One, 1:1).

6. Category

- Attributes: Name, Icon.
- Relationships:
 - **Has Multiple Products** (One-to-Many, 1:M).
 - **Viewed by Sellers & Buyers** (One-to-Many, 1:M).

❖ Key Takeaways:

- Admins have control over sellers and orders but do not directly manage products.
- Sellers manage products and view categories.
- Buyers place orders and view available products, sellers and categories.
- Orders contain multiple products, and products belong to multiple categories.
- This structure ensures proper separation of roles between Admins, Sellers, and Buyers.

Data Dictionary

Default User Model

Attributes	Data Type	Constraints	For Example
ID	Integer Auto Field	Primary Key , Auto Increment	1
Username	Character Field(150)	Unique , Not Null	admin
Password	Character Field(128)	Not Null , PBKDF2 with SHA-256	‘S@hil0209’
First Name	Character Field(150)	Not Null , Default=“”	ADMIN
Staff Status	Boolean Field	Not Null , Default=False	True

Buyer Model

Attributes	Data Type	Constraints	For Example
ID	Integer Auto Field	Primary Key , Auto Increment	1
New_User	Foreign Key(Users)	Unique , Not Null	Users(2)
First_Name	Character Field(50)	Not Null	Sahil
Last_Name	Character Field(50)	Not Null	Shaikh
Email	Email Field(50)	Not Null	s@gmail.com
Date	Date Field	Not Null	02-09-2003
Gender	Character Field(10)	Not Null	Male
Aadhaar	Character Field(12)	Not Null	111122223333
Contact	Character Field(10)	Not Null	9999988888
Address	Text Field(400)	Not Null	Mehsana

Seller Model

Attributes	Data Type	Constraints	For Example
ID	Integer Auto Field	Primary Key , Auto Increment	1
New_User	Foreign Key(Users)	Unique , Not Null	Users(3)
Seller_Name	Character Field(50)	Not Null	Samsung
Seller_Description	Character Field(50)	Not Null	Mobiles
Logo	Image Field	Upload To , Not Null	'logo/1.png'
Banner	Image Field	Upload To , Not Null	'banner/1.png'
GSTIN	Character Field(15)	Not Null	111122223333
Email	Email Field(100)	Not Null	s@gmail.com
Contact	Character Field(10)	Not Null	9999988888
Address	Text Field(400)	Not Null	Mehsana

Category Model

Attributes	Data Type	Constraints	For Example
ID	Integer Auto Field	Primary Key , Auto Increment	1
Category_Name	Character Field(50)	Not Null	Mobiles
Category_Desc	Character Field(50)	Not Null	Phones
Category_Icon	Image Field	Upload To , Not Null	'icon/1.png'
Category_Banner	Image Field	Upload To , Not Null	'ban/1.png'

Product Model

Attributes	Data Type	Constraints	For Example
ID	Integer Auto Field	Primary Key , Auto Increment	1
Seller_Name	Foreign Key(Seller)	Unique , Not Null	Seller(1)
Product_Name	Character Field(50)	Not Null	Jio Phone
Product_Desc	Character Field(50)	Not Null	It is a Phone
Product_Price	Integer Field	Not Null	1000
Product_Img	Image Field	Upload To , Not Null	‘Prods/1.png’
Product_Status	Character Field(50)	Choices , Default , Not Null	In Stock
Category_Name	Foreign Key(Category)	Unique , Not Null	Category(1)

Order Model

Attributes	Data Type	Constraints	For Example
ID	Integer Auto Field	Primary Key , Auto Increment	1
Buyer_ID	Foreign Key(Buyer)	Unique , Not Null	Buyer(1)
Seller_ID	Foreign Key(Seller)	Unique , Not Null	Seller(1)
Product_ID	Foreign Key(Product)	Unique , Not Null	Product(1)
Product_Quantity	Integer Field	Not Null	5
Product_Total	Integer Field	Not Null	5
Order_Status	Character Field(50)	Choices , Default , Not Null	Order Placed

Contact Request Model

Attributes	Data Type	Constraints	For Example
ID	Integer Auto Field	Primary Key , Auto Increment	1
Email	Email Field(50)	Not Null	sahil@gmail.com
Purpose	Character Field(500)	Not Null	Appointment

Feedback Model

Attributes	Data Type	Constraints	For Example
ID	Integer Auto Field	Primary Key , Auto Increment	1
Email	Email Field(50)	Not Null	sahil@gmail.com
Feedback	Character Field(500)	Not Null	Good Work

Technologies Used from Django Framework

1. Template Management and Template Inheritance –

Django framework provides in itself the feature of template management and also provides support for inheritance of one template into another.

2. Static Files and Media Files – Django framework also provides its efficient method of managing static files and media files by creating root directories.

3. Django Localhost Server – Django framework provides its own local server for testing and hosting the website for development and debugging.

4. Default User Model – Django framework provides a default user model which used to store data of all type of users.

5. Django Authentication – Django framework provides predefined function of Authenticate, Login and Logout which can be used to perform authentication of a user , it's login and logout activities.

6. Dynamic Url Routing – Django framework provides support to create and use dynamic urls for routing to webpages.

7. CSRF Token – CSRF stands for Cross Site Request Forgery , Django framework in all its forms uses a csrf token to ensure the integrity of the data passing via forms.

8. Django ORM – ORM stands for Object-Relational Mapping, Django framework uses object relational mapping to map each object member of a class as a field in the database. It provides easy, fast and efficient controls. We can fetch records faster.

9. Django Admin Interface – Django framework provides a default admin interface which can be used to create admins and super-admins. Admins are those with staff privileges and super-admins have all privileges of all tables.

10. Easy Integration with Other Python Modules – Django itself being a python module, it allows seamless integration with other python modules such as pillow and csv for better functionality in the overall projects.

Guest Side Input Design

About Us

**Jaspreet Singh****Role : Frontend and Backend**[View on Github](#)**Shaikh Sahil****Role : Backend and Database**[View on Github](#)**Raval Viraj****Role : Database and Frontend**[View on Github](#)

Contact Us

Email :

Purpose :

[Submit](#)

Feedback

Email :

Feedback :

[Submit](#)

NEWEST

[About Us](#)[Login As Buyer](#)[Login As Seller](#)[Register As Buyer](#)[Register As Seller](#)

Buyer Login

Username:

Password:

[Login](#)

Seller Login

Username:

Password:

[Login](#)

Buyer Registration

Create Username:	<input type="text"/>
Create Password:	<input type="password"/>
Confirm Password:	<input type="password"/>
First Name:	<input type="text"/>
Last Name:	<input type="text"/>
Date of Birth:	<input type="text"/> dd-mm-yyyy
Gender:	<input type="text"/> Male
Aadhaar Number:	<input type="text"/>
Email:	<input type="text"/>
Contact:	<input type="text"/>
Address:	<input type="text"/>

Register

Seller Registration

Create Username:

Create Password:

Confirm Password:

Seller Name:

Seller Description:

Seller Logo: Choose File No file chosen

Seller Banner: Choose File No file chosen

GSTIN Number:

Email:

Contact:

Address:

Register

Buyer Side

Input Design

All Products

**Samsung Smart Fridge****Tomatoes 10 kg****Rolex Silver Watch****Gold Coin****View Product****Add To Cart****View Product****Add To Cart****View Product****Add To Cart****View Product****Add To Cart**

Load Product**Samsung Galaxy S24 Ultra**[Add To Cart](#)**Product Details****Product Description :** It is a Smartphone**Product Price :** Rs. 125000**Product Category :** Mobiles**Seller Details****Sold By :** seller_samsung**Thanks for Visiting Us**

INDEV

All Products

All Shops

All Categories

My Cart

My Order

Logout

All Shops



Samsung

We Sell Consumer Electronics and Mobiles

[View Shop](#)



Reliance

We Sell Mobiles and Groceries

[View Shop](#)

© 2025 All rights reserved.

Samsung



Samsung

We Sell Consumer Electronics and Mobiles

Our Details

GSTIN Number: 999998888877777

Contact Us :

Email : samsung@gmail.com

Phone Number : 9999988888

Address : South Korea

Thanks for Visiting Us

Our Products



Samsung Smart Fridge

Price : Rs. 100000

[View Product](#)

[Add To Cart](#)



Samsung Washing Machine

Price : Rs. 95000

[View Product](#)

[Add To Cart](#)



Samsung Smart TV

Price : Rs. 105000

[View Product](#)

[Add To Cart](#)



Samsung Roomba

Price : Rs. 90000

[View Product](#)

[Add To Cart](#)

All Categories



Mobiles

For Example Smartphone, Feature Phone , Telephones

[View Category](#)

Groceries

For Example Soaps , Shampoos , Fruits

[View Category](#)

MOBILES



Mobiles

For Example Smartphone, Feature Phone ,
Telephones

Our Products



Samsung Galaxy S24 Ultra

Price : Rs. 125000

[View Product](#)[Add To Cart](#)

Samsung Galaxy Z Flip

Price : Rs. 120000

[View Product](#)[Add To Cart](#)

Samsung Galaxy Z Fold

Price : Rs. 130000

[View Product](#)[Add To Cart](#)

Samsung Galaxy Tab

Price : Rs. 115000

[View Product](#)[Add To Cart](#)

My Cart

Sno.	Product Image	Product	Price	Quantity	Total
1		Samsung Smart TV	105000	1	105000
2		Samsung Galaxy S24 Ultra	125000	2	250000
Grand Total		355000		Check Out	

My Orders

Order Number : 75**Buyer Details**

Username : buyer_sahil
Name : Sahil Shaikh
Email : hshaikh1345@gmail.com
Contact : 9999955555
Address : 1-7-51 Maniyar Vado ,
Kapasiya Bazar , Sidhpuri Gali Road

Order Details

Name : Samsung Smart TV
Price : 105000
Quantity : 1
Total : 105000
Status : Ordered Placed

[Cancel](#)**Order Number : 76****Buyer Details**

Username : buyer_sahil
Name : Sahil Shaikh
Email : hshaikh1345@gmail.com
Contact : 9999955555
Address : 1-7-51 Maniyar Vado ,
Kapasiya Bazar , Sidhpuri Gali Road

Order Details

Name : Samsung Galaxy S24 Ultra
Price : 125000
Quantity : 2
Total : 250000
Status : Delivered

[Delete](#)

Seller Side Input Design

Listed Products

**Samsung Smart Fridge**

Price : Rs. 100000

[View Product](#)[Modify Product](#)**Samsung Washing Machine**

Price : Rs. 95000

[View Product](#)[Modify Product](#)**Samsung Smart TV**

Price : Rs. 105000

[View Product](#)[Modify Product](#)**Samsung Roomba**

Price : Rs. 90000

[View Product](#)[Modify Product](#)

My Categories



Mobiles

For Example Smartphone, Feature Phone , Telephones

[View Shop](#)

Consumer_Electronics

For Example TV , Fridge , Washing Machine

[View Shop](#)

Load Product**Samsung Smart TV**[Modify Product](#)**Product Details****Product Description :** It is a Smart TV**Product Price :** Rs. 105000**Product Category :** Consumer_Electronics**Seller Details****Sold By :** seller_samsung**Thanks for Visiting Us**

MOBILES



Mobiles

For Example Smartphone, Feature Phone ,
Telephones

Our Products



Samsung Galaxy S24 Ultra

Price : Rs. 125000

[View Product](#)[Modify Product](#)

Samsung Galaxy Z Flip

Price : Rs. 120000

[View Product](#)[Modify Product](#)

Samsung Galaxy Z Fold

Price : Rs. 130000

[View Product](#)[Modify Product](#)

Samsung Galaxy Tab

Price : Rs. 115000

[View Product](#)[Modify Product](#)

Product RegistrationSeller Name: Product Name: Product Description: Price: Product Image: No file chosenCategory: **Register**

Manage Products

Sno.	Product Image	Product	Status	Set Status	Delete Product
1		Samsung Smart Fridge	In Stock	Out of Stock	Delete
2		Samsung Washing Machine	Out of Stock	In Stock	Delete

Reports**All Out of Stock Product Report**[Generate and Download Report In CSV Format](#)**All Accepted Orders Report**[Generate and Download Report In CSV Format](#)

Admin Side

Input Design

Django administration



Username:

Password:

Log in

Django administration

WELCOME, ADMIN. VIEW SITE / CHANGE PASSWORD / LOG OUT ☰

Site administration

AUTHENTICATION AND AUTHORIZATION		
Groups	+ Add	Change
Users	+ Add	Change
ECOMMERCE_WEBSITE_APPLICATION		
Buyers	+ Add	Change
Categorys	+ Add	Change
Contact_requests	+ Add	Change
Feedbacks	+ Add	Change
Orders	+ Add	Change
Products	+ Add	Change
Sellers	+ Add	Change

Recent actions

My actions

- [Order Id : 76
Order](#)
- [Rolex Diamond Watch
Product](#)
- [Premium Blue Jacket
Product](#)
- [Traditional Kurta
Product](#)
- [Golden Cufflinks
Product](#)
- [Rajshahi Dinning Set
Product](#)
- [Non Stick Tawa
Product](#)
- [Electric Toaster
product](#)
- [Heavy Necklace
Product](#)
- [Analog Watch
product](#)

Future Enhancements

- 1. Payment Gateways** – Modern payment gateway systems such as bill desk and razor pay can be added to provide support for online transactions.
- 2. Add Sale Function** – Other functionalities such as creating a sale can be used to increase data traffic on the website.
- 3. Increase Filters** – The number of filters can be increased in the near future.
- 4. Review and Rating System** – A review system can be introduced to leave review on the purchased product by the buyer.
- 5. Profile Management** – Profile management will allow users(buyer & sellers) to manage their own profile records and details.
- 6. Increase Responsiveness** – The overall responsiveness of the website can be increased by using better animatronics and reactive CSS.
- 7. More Reports** – We can integrate other python modules like Matplotlib to make better info graphical and statistical reports

Bibliography

1. Django Reference – <https://docs.djangoproject.com/en/5.1/>

2. Learning – Geek for Geeks –

<https://www.geeksforgeeks.org/>

W3 Schools – <https://www.w3schools.com/django/index.php>

3. Debugging – Stack Overflow –

<https://stackoverflow.com/questions>

4. Other General Links – Google , YouTube , Wikipedia , GitHub , Udemy

5. General Utility Softwares – Canva , Word , Excel , PowerPoint

6. Chrome Extension – GoFullPage

7. Books Referred –



Python Basics.pdf



Django 4
Examples.pdf

Thank You