

**Aerocraft Nexus**  
**E-commerce website**  
**Documentation**  
**By**  
**Kartik Dhumal**

# ● **Introduction**

**Welcome to Aerocraft Nexus, your go-to spot for buying aeroplane models online. This guide helps you understand how our website works. We are all about making it easy for you to find and buy the airplane models you love.**

**At Aerocraft Nexus, we have got a wide range of airplane models for you to choose from. Whether you are into classic planes or modern ones, there's something here for everyone. Our website is designed to be easy to use, so you can browse through our collection without any hassle.**

- **Process description**

**Using Aerocraft Nexus is simple and hassle-free. Explore our diverse collection of airplane models, select your favourites, and proceed to checkout. Sign up with basic details, log in, and start browsing. Once you have made your selections, complete your purchase securely with a chosen payment method.**

**Await your order confirmation and enjoy your new airplane models upon delivery. Aerocraft Nexus easy browsing, secure checkout, and swift delivery for all your model airplane needs.**

- **Technologies used**

## **Frontend**

- **React.js**
- **Tailwind CSS**

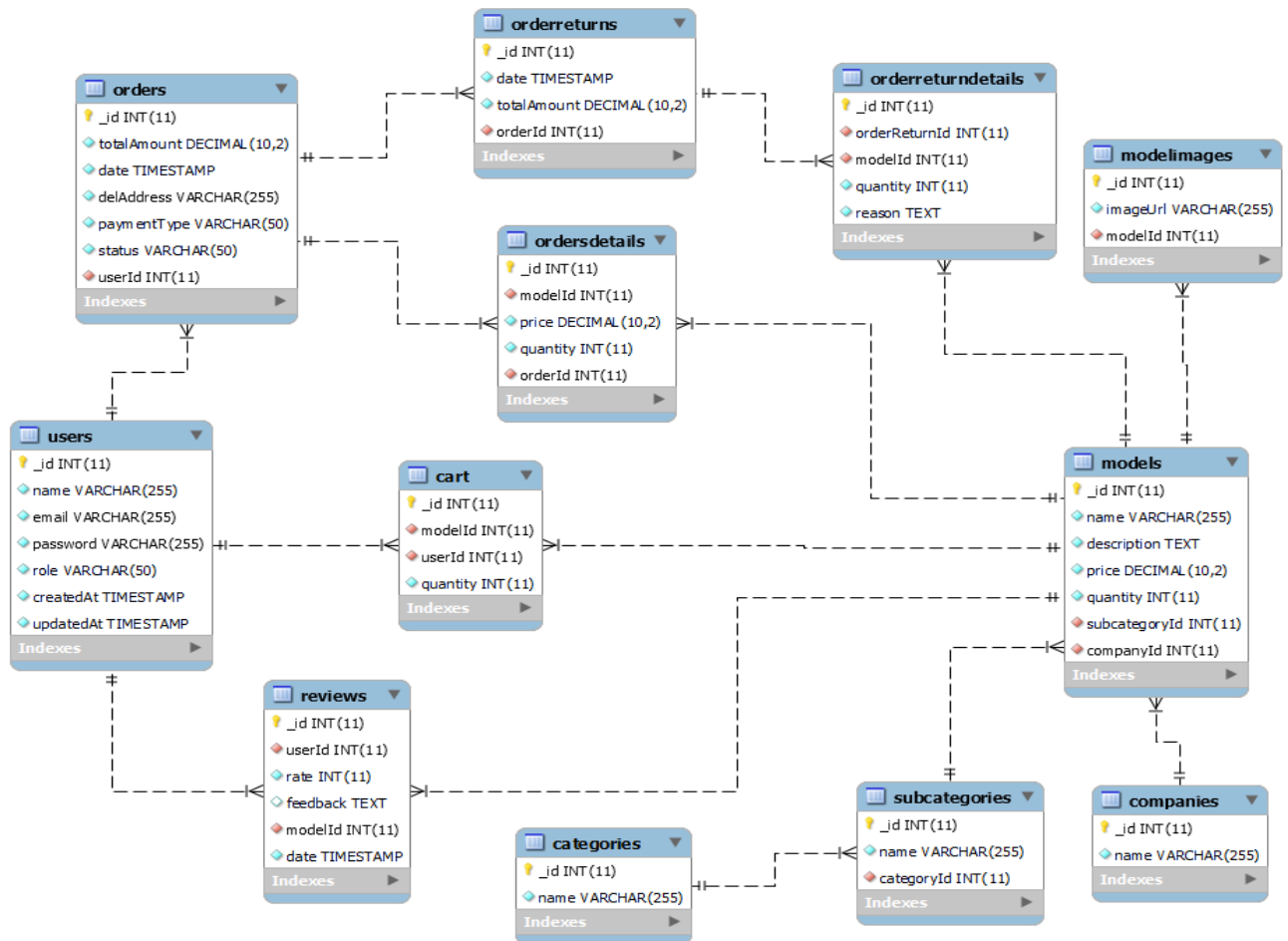
## **Backend**

- **MongoDB**
- **Node.js**
- **Express.js**

## **Other Technologies**

- **Material UI**

# ● ER Diagram



# ● **Data dictionary**

## **User Schema:**

- **name:** The name of the user.
- **email:** The email address of the user.
- **password:** The password of the user.
- **role:** The role of the user (e.g., customer, admin).

## **Category Schema:**

- **id:** The unique identifier for the category.
- **name:** The name of the category.

## **Subcategory Schema:**

- **id:** The unique identifier for the subcategory.
- **name:** The name of the subcategory.
- **categoryid:** The ID of the category to which the subcategory belongs.

## **Company Schema:**

- **id:** The unique identifier for the company.
- **name:** The name of the company.

## **Model Schema:**

- **id:** The unique identifier for the model.
- **name:** The name of the model.
- **description:** A description of the model.
- **images:** An array of URLs for the images of the model.
- **price:** The price of the model.
- **quantity:** The quantity of the model available in stock.
- **subcategoryid:** The ID of the subcategory to which the model belongs.
- **companyid:** The ID of the company that manufactures the model.

## **Order Schema:**

- **id:** The unique identifier for the order.
- **totalAmount:** The total amount of the order.
- **date:** The date when the order was placed.
- **delAddress:** The delivery address for the order.
- **paymentType:** The type of payment used for the order.
- **status:** The status of the order.
- **userId:** The ID of the user who placed the order.

## **OrdersDetails Schema:**

- **id:** The unique identifier for the order details.
- **modelId:** The ID of the model included in the order.
- **price:** The price of the model in the order.
- **quantity:** The quantity of the model included in the order.
- **orderId:** The ID of the order to which the details belong.

## **Cart Schema:**

- **id:** The unique identifier for the item in the cart.
- **modelId:** The ID of the model added to the cart.
- **userId:** The ID of the user who added the model to the cart.
- **quantity:** The quantity of the model added to the cart.



## **Review Schema:**

- **id:** The unique identifier for the review.
- **userId:** The ID of the user who wrote the review.
- **rate:** The rating given in the review.
- **feedback:** The feedback provided in the review.
- **modelId:** The ID of the model for which the review was written.
- **date:** The date when the review was submitted.

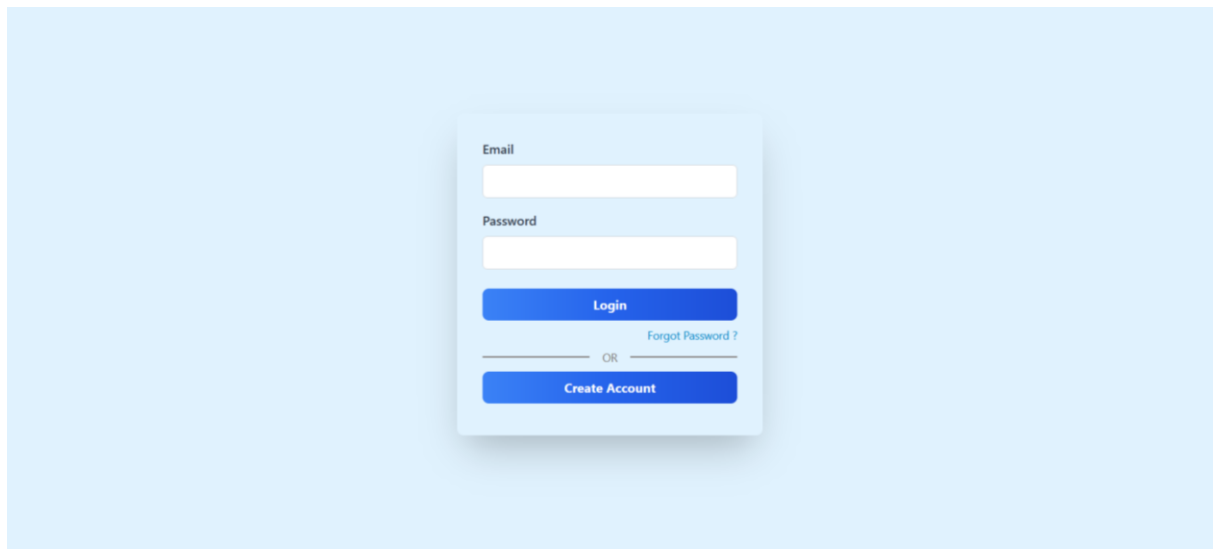
## **OrderReturn Schema:**

- **date:** The date when the return was initiated.
- **totalAmount:** The total amount of the return.
- **orderId:** The ID of the order for which the return was initiated.

## **OrderReturnDetails Schema:**

- . orderReturnId: The ID of the return to which the details belong.**
- . modelId: The ID of the model included in the return.**
- . quantity: The quantity of the model included in the return.**
- . reason: The reason for the return.**

# ● Login



A login form UI mockup centered on a light blue background. The form is a white rounded rectangle with a subtle drop shadow. It contains two input fields for 'Email' and 'Password', a blue 'Login' button, a 'Forgot Password ?' link, an 'OR' separator, and a blue 'Create Account' button.

Email

Password

Login

[Forgot Password ?](#)

OR

Create Account

# ● Register

Name

Email



Password

Register

Already have an account? [Login](#)

# ● Edit profile

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Hey, Kartik Dhumal  

[Home](#) [User](#) [Category](#) [Subcategory](#) [Company](#) [Model](#) [Orders](#) [Reports](#) [Logout](#)

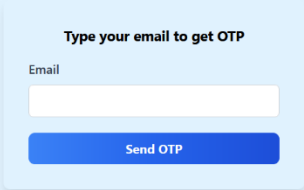
Name

Email

New Password

[Update Profile](#)


- **Recover password**



Type your email to get OTP

Email

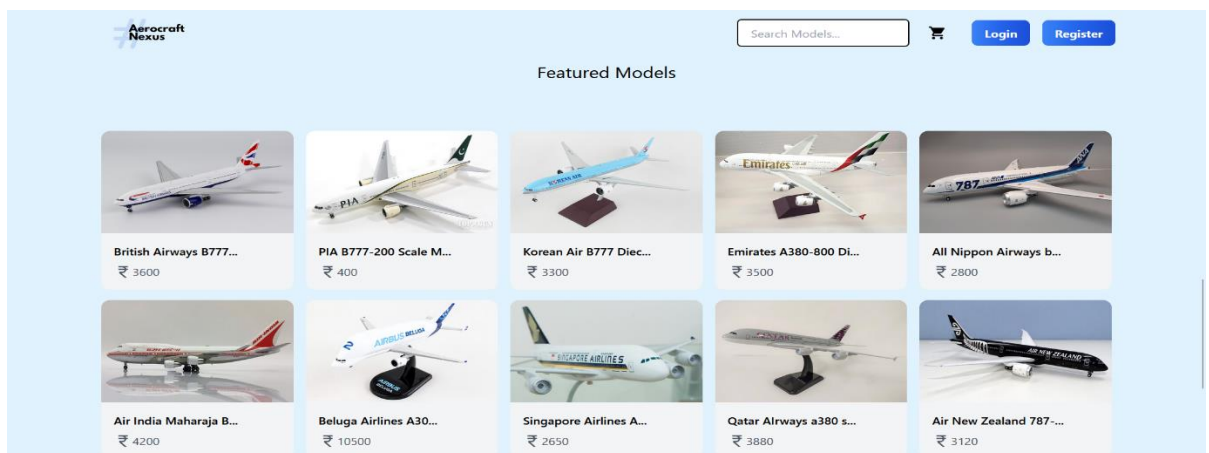
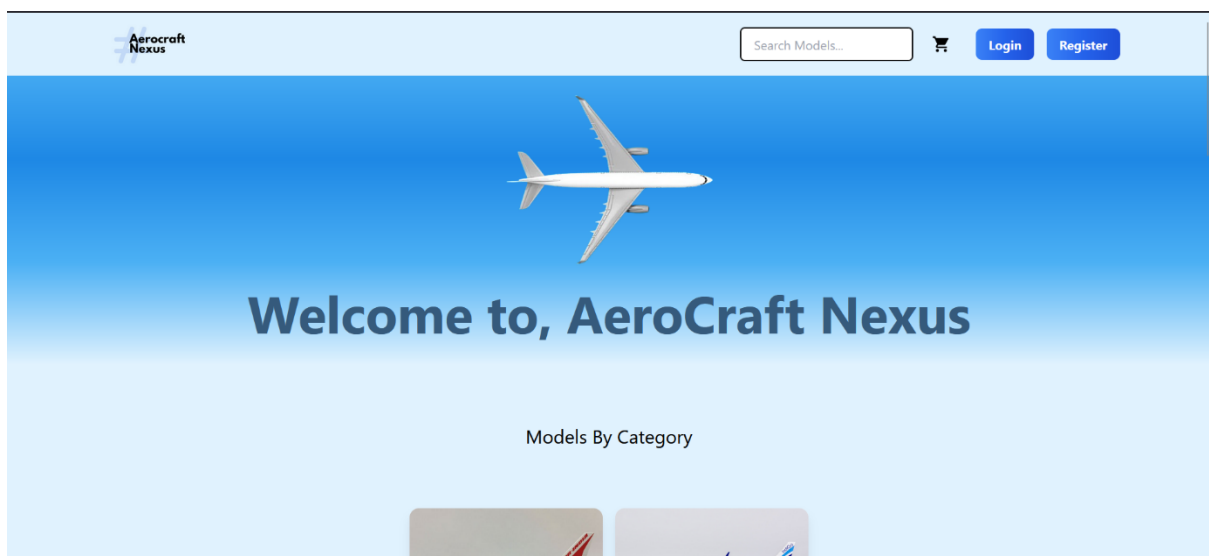
Send OTP




Enter OTP

Submit OTP




# ● Home page




# ● Product page



Search Models...





-

1

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Add to Cart

Price : ₹ 4200

(Inclusive of all taxes)



**Air India Maharaja B747 Metal Diecast**

₹ 4200

AIR INDIA BOEING B747

The QIDS Air India 16cm Alloy Aircraft Indian Airlines Airplane Model B747 is a meticulously crafted replica of the iconic Airbus B747 aircraft

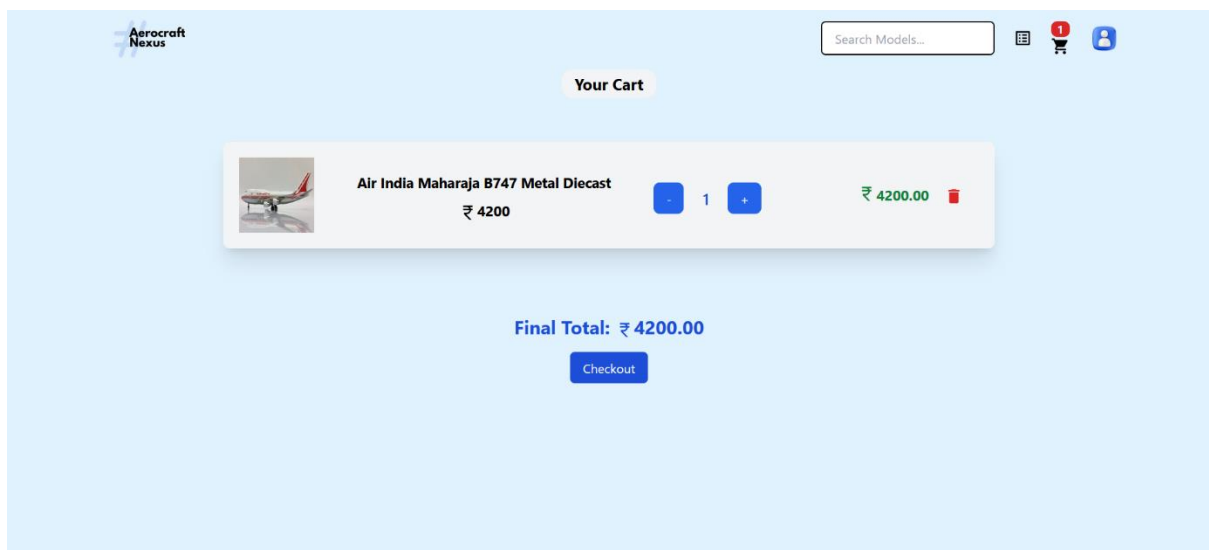
In stock




Customer Reviews



# ● Cart page



# ● Add address page



**British Airways B777-300ER Scale Model**  
₹ 3600  
Quantity : 1

Total: ₹ 3600.00

Search Models...

1


**Delivery Address :** hanuman pura , Anil starch road , Bapunagar, Bapunagar, Ahmedabad, Gujarat, 380025 [Edit](#)

**Select Payment Method**  
**Pay: ₹ 3600.00**

☐ Cash On Delivery

☐ Online Payment

Make Payment



**British Airways B777-300ER Scale Model**  
₹ 3600  
Quantity : 1

Total: ₹ 3600.00

Search Models...

1

**Enter Delivery Address**

State

City

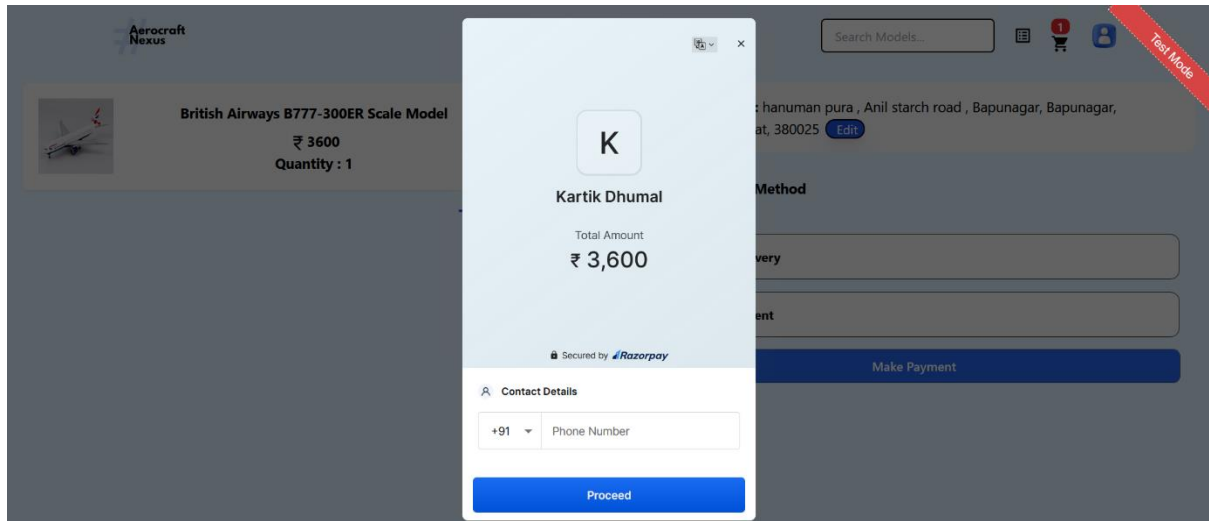
Area

Street

Pincode

Add Delivery Address

- # Payment page



# • Return & Cancel order

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Search Models...

Your Orders

Your Returned Orders

Order Date : 28-02-2024

Invoice



Biman Bangladesh Airlines 787-9

Qty : 1

₹ 960

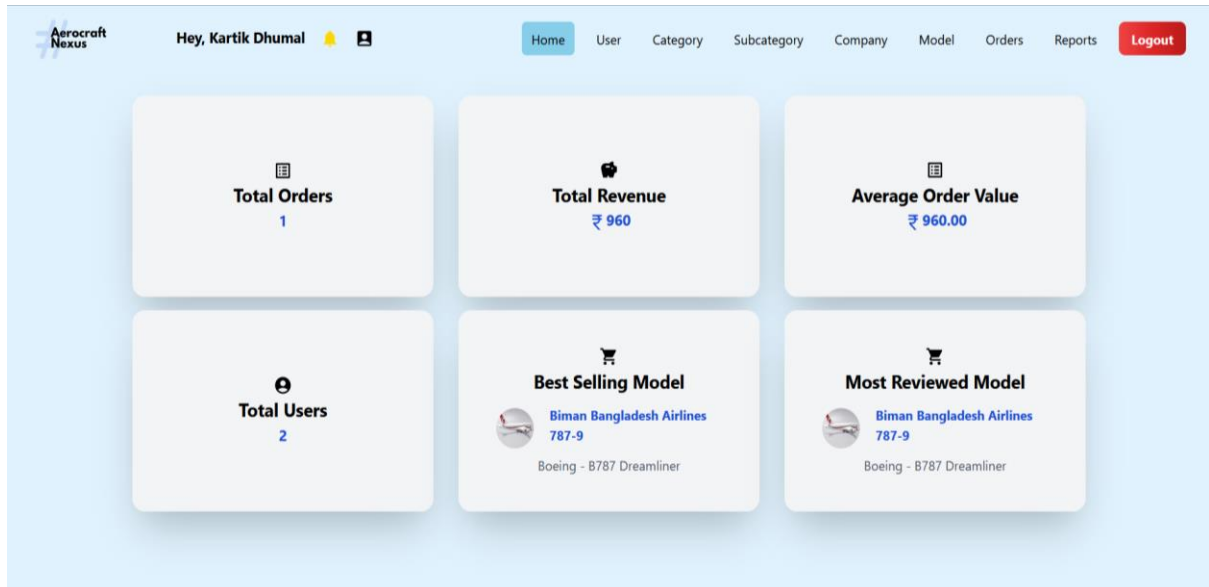
pending

Cancel Order

₹ 960 (online)



# **Admin panel**

# ● Admin page



# ● Manage users

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Home **User** Category Subcategory Company Model Orders Reports 

Logout

Name

Email

Password


Role

admin


▼



Add User

Search by name, email, or role

ID	Name	Email	Role	Delete
1	Kartik Dhumal	karik@gmail.com	admin	

# ● Manage category







Hey, Kartik Dhumal  




[Home](#) [User](#) [Category](#) [Subcategory](#) [Company](#) [Model](#) [Orders](#) [Reports](#) [Logout](#)

Category Name

Add Category

Search by category name



ID	Category	Action
1	Boeing	 
2	Airbus	 

Rows per page: 5  1-2 of 2  



# ● Manage subcategory

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HomeUserCategorySubcategoryCompanyModelOrdersReportsLogout









Subcategory Name

Category

Select a category

Add Subcategory

Search by category or subcategory

ID	Subcategory	Category	Action
1	B737	Boeing	 
2	B757	Boeing	 
3	B747	Boeing	 
4	B777	Boeing	 

# ● Manage company

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Home

User

Category

Subcategory

Company

Model

Orders

Reports

Logout

Company Name

Add Company

Search by company name

ID	Company	Action
1	Spicejet	<div><div></div><div></div></div>
2	Emirates	<div><div></div><div></div></div>
3	Etihad	<div><div></div><div></div></div>
4	Qantas	<div><div></div><div></div></div>
5	British Airways	<div><div></div><div></div></div>

Rows per page: 5 1-5 of 19 < >

# ● Manage products

Model Name

Model Images

Browse...

No files selected.

Category

Select Category

Subcategory

Select Subcategory

Company












Select Company

Description

Price



Quantity

Search by name, description, type, company, subcategory, category...

ID	Model	Images	Description	Type	Company	Price	Quantity	Action
1	Turkish Airlines A330 Metal	<div></div>	Introducing the QIDS Turkish Airlines Airbus Airplane Model Aeroplane Model Airbus a330 Airplane	Airbus A330	Turkish Airlines	3150/-	8	 
2	Biman Bangladesh Airlines 787-9	<div></div>	Material: Metal & Plastic in detail . Size: Length: 15.79 cm. Wingspan: 14.7 cm. ?Length: 6.22 INCH. Wingspan: 5.79 INCH.) Roastable tires,3D Solid Antenna. hollow design on engine.Comes with Stand.	Boeing B787 Dreamliner	Biman Bangladesh Airlines	960/-	3	 
3	PIA B777-200 Scale Model	<div><div>Image 2</div></div>	16cm PIA Boeing 777 Airplane Model Plane Model Aircraft Diecast Metal 1/400 Scale Planes Pakistan Airlines B777	Boeing B777	PIA	400/-	3	 

# ● Manage orders

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Home

User

Category

Subcategory

Company






Model




Orders

Reports

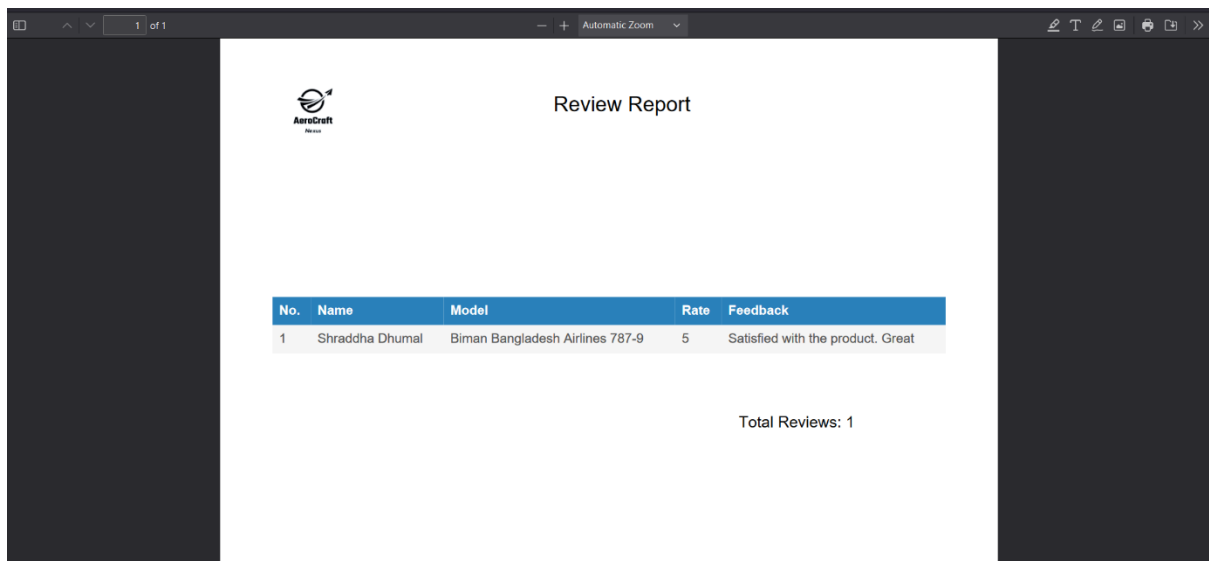
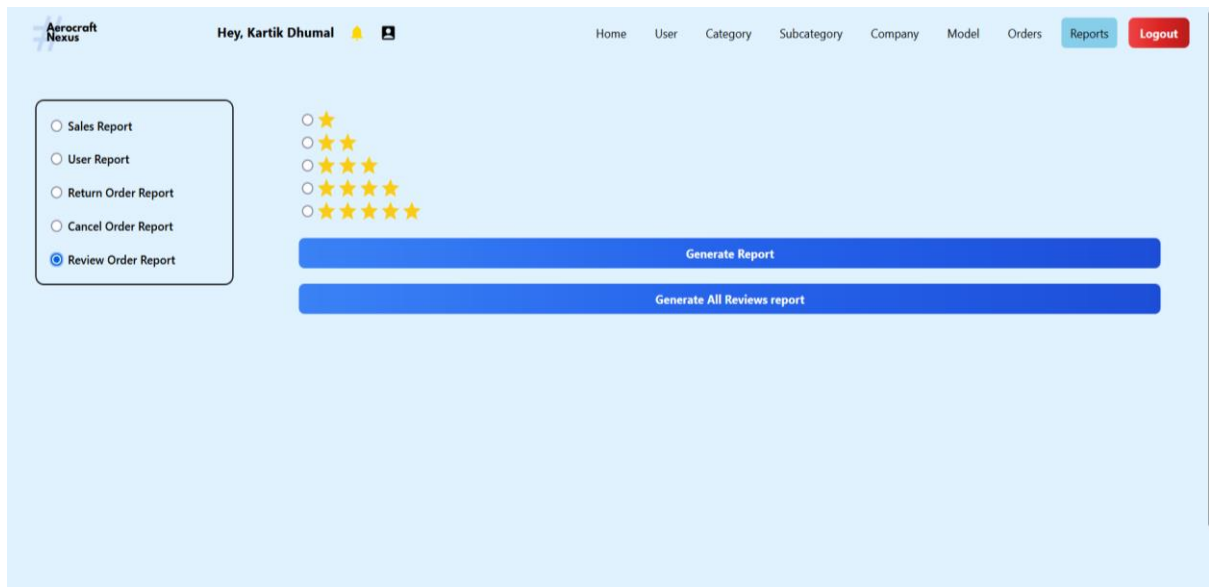
Logout

Search order detail...

ID	Date	User Name-Email	Model	Total	Address	Payment	Status
1	09-03-2024 8:04 PM	Karthik - karthik@gmail.com	 Air India Maharaja B747 Metal Diecast	16680	79665, Naginawadi, Mumbai, Maharashtra, 142736	cod	pending 
			 Air New Zealand 787-8 Dreamliner Black Metal				
2	28-02-2024 12:04 AM	Shraddha Dhumal - shraddha@gmail.com	 Biman Bangladesh Airlines 787-9	960	hanuman pura , Anil starch road , Bapunagar, Bapunagar, Ahmedabad, Gujarat, 380025	online	pending 

Rows per page: 5  1-2 of 2  

# ● Generate reports



# • **Conclusion**

- **In conclusion, our Amazon Prime-style website offers a comprehensive entertainment experience for users and efficient management tools for administrators.**
- **With seamless registration and login processes, users can easily access a vast library of movies, series, and more. The platform allows for personalized profiles and watchlists, enhancing the user experience.**