Aerocraft Nexus E-commerce website Documentation

By
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• 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**

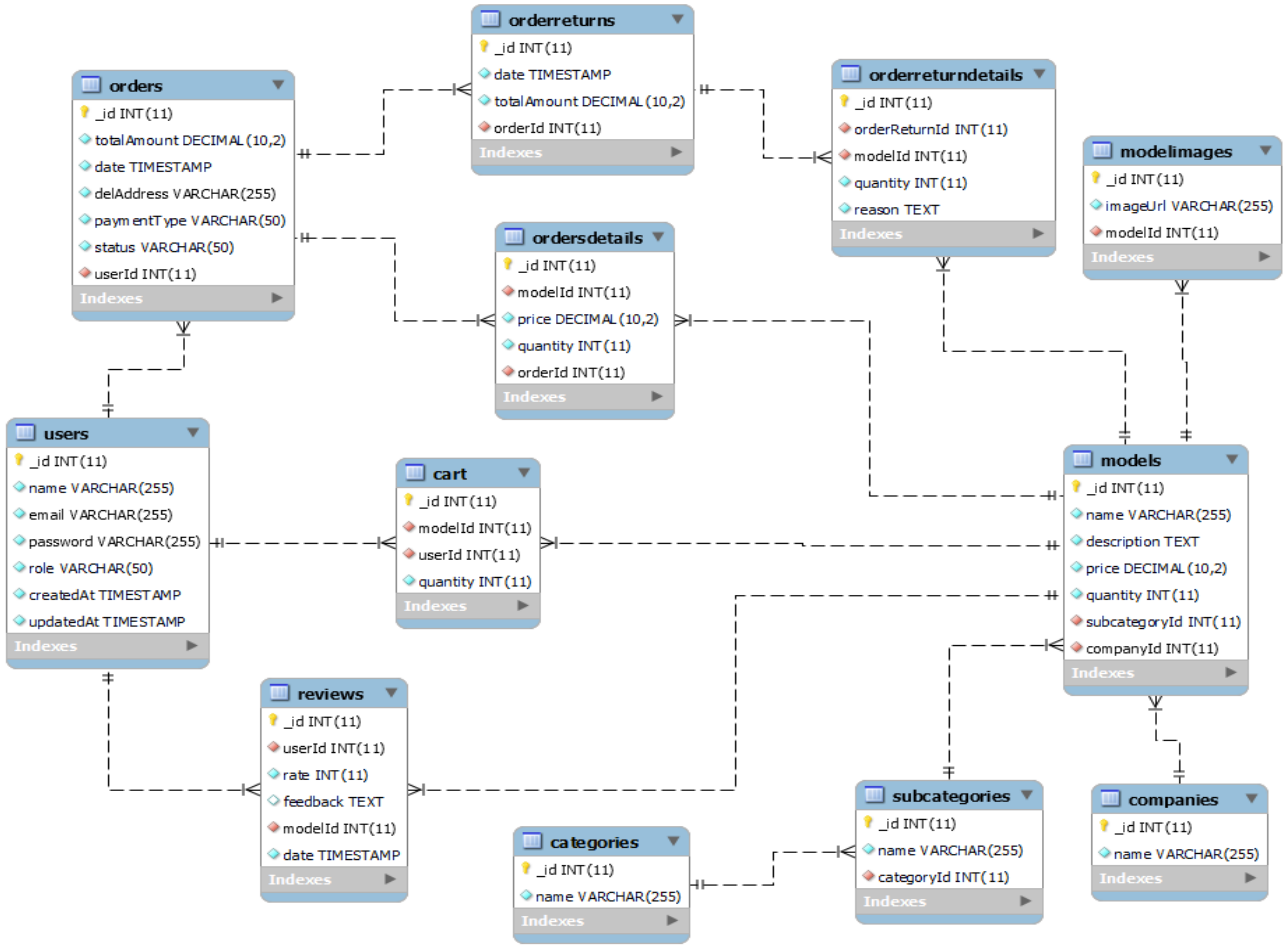
Backend

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

Other Technologies

- **Material UI**

- # ER Diagram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date TIMESTAMP
totalAmount DECIMAL(10,2)
orderId INT(11)
Indexes
orders
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totalAmount DECIMAL(10,2)
date TIMESTAMP
delAddress VARCHAR(255)
paymentType VARCHAR(50)
status VARCHAR(50)
userId INT(11)
Indexes
orderreturndetails
_id INT(11)
orderReturnId INT(11)
modelId INT(11)
quantity INT(11)
reason TEXT
Indexes
modelimages
_id INT(11)
imageUrl VARCHAR(255)
modelId INT(11)
Indexes
ordersdetails
_id INT(11)
modelId INT(11)
price DECIMAL(10,2)
quantity INT(11)
orderId INT(11)
Indexes
users
_id INT(11)
name VARCHAR(255)
email VARCHAR(255)
password VARCHAR(255)
role VARCHAR(50)
createdAt TIMESTAMP
updatedAt TIMESTAMP
Indexes
cart
_id INT(11)
modelId INT(11)
userId INT(11)
quantity INT(11)
Indexes
models
_id INT(11)
name VARCHAR(255)
description TEXT
price DECIMAL(10,2)
quantity INT(11)
subcategoryId INT(11)
companyId INT(11)
Indexes
reviews
_id INT(11)
userId INT(11)
rate INT(11)
feedback TEXT
modelId INT(11)
date TIMESTAMP
Indexes
subcategories
_id INT(11)
name VARCHAR(255)
categoryId INT(11)
Indexes
companies
_id INT(11)
name VARCHAR(255)
Indexes
categories
_id INT(11)
name VARCHAR(255)
Indexes

• 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.**
- **ordersId: 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.**

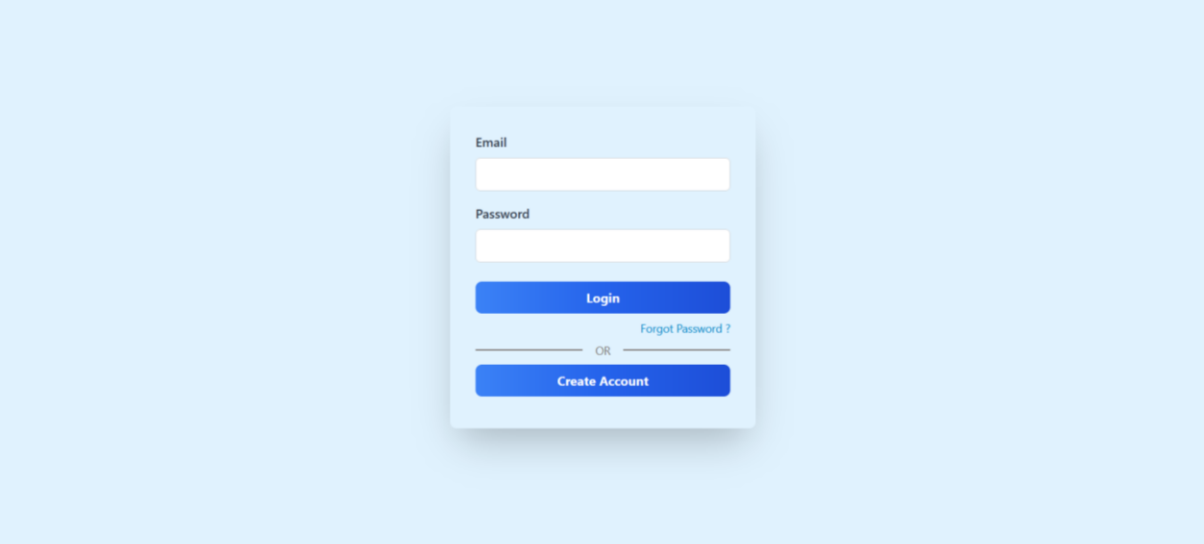
OrderReturn Schema:

- **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.**

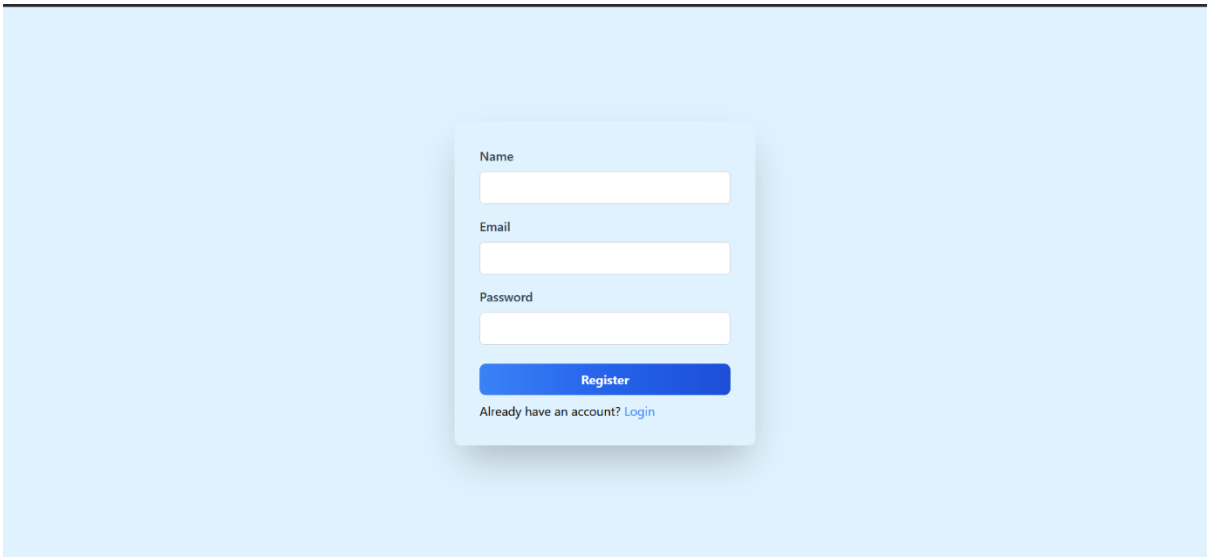
OrderReturnDetails Schema:

- **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.**

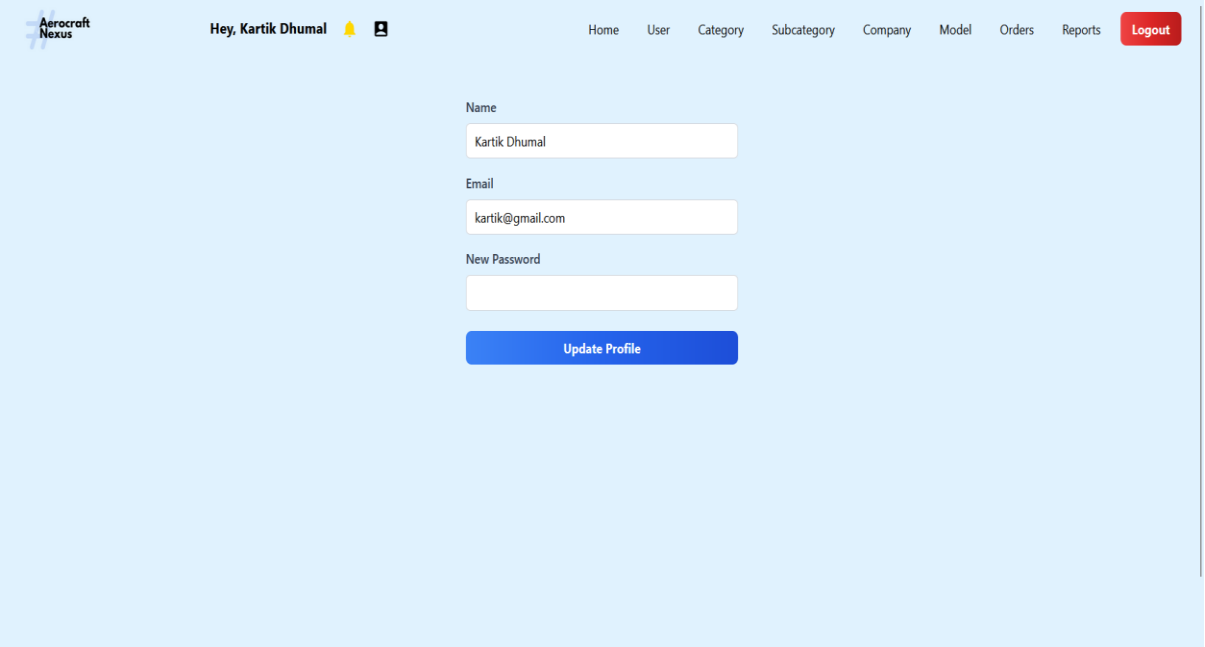
- **Login**



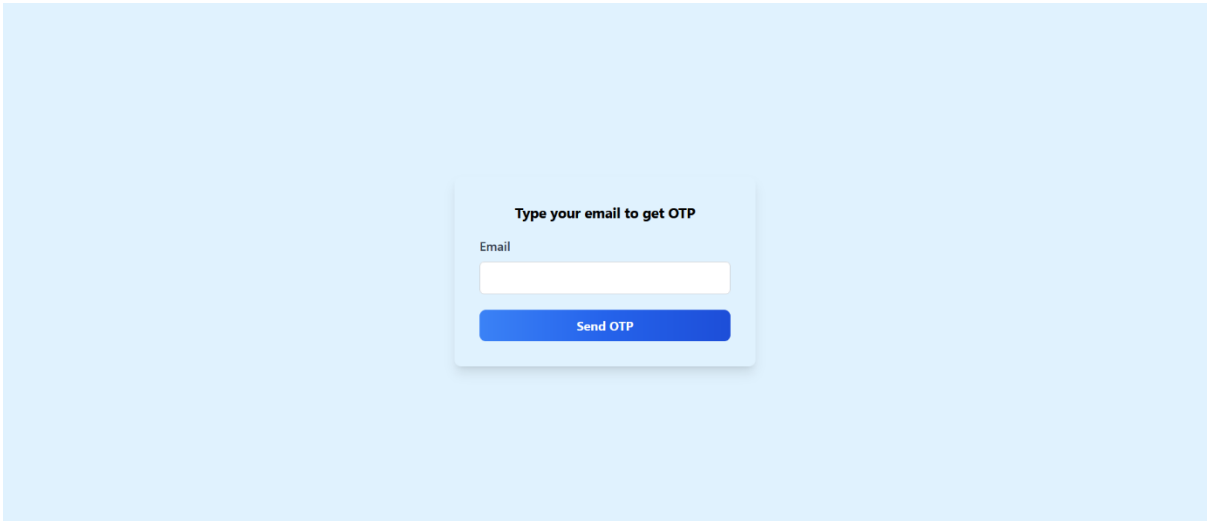
- **Register**

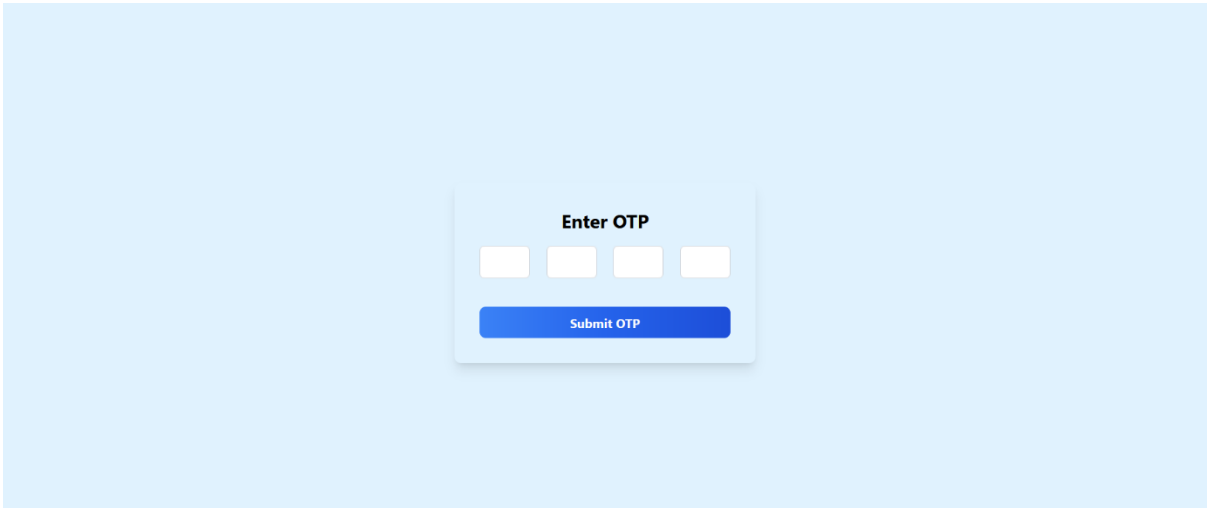

Name
Email
Password
Register
Already have an account? Login

- **Edit profile**

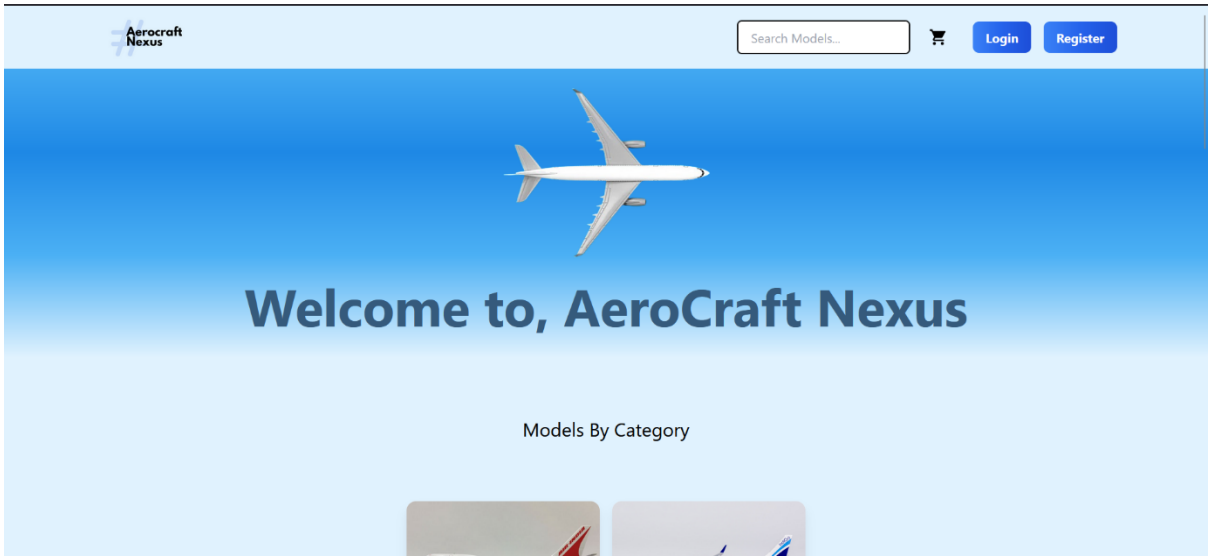


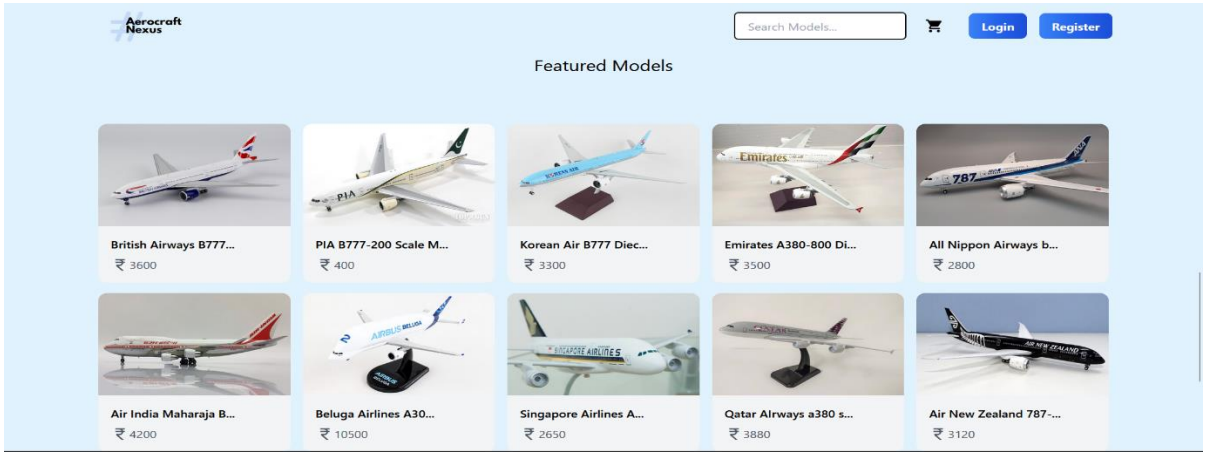
- # Recover password



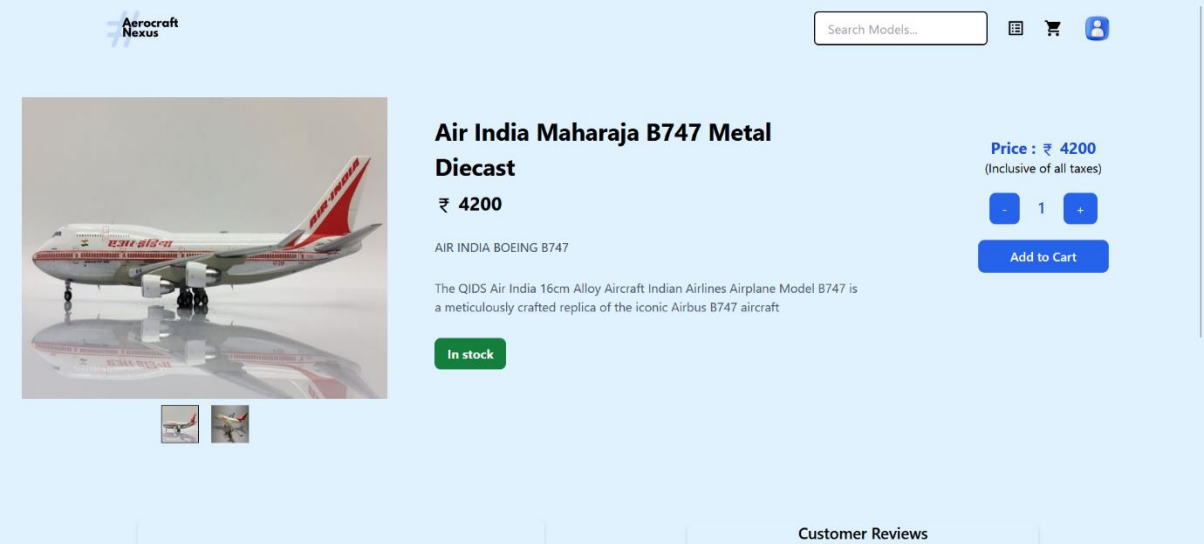


- # Home page

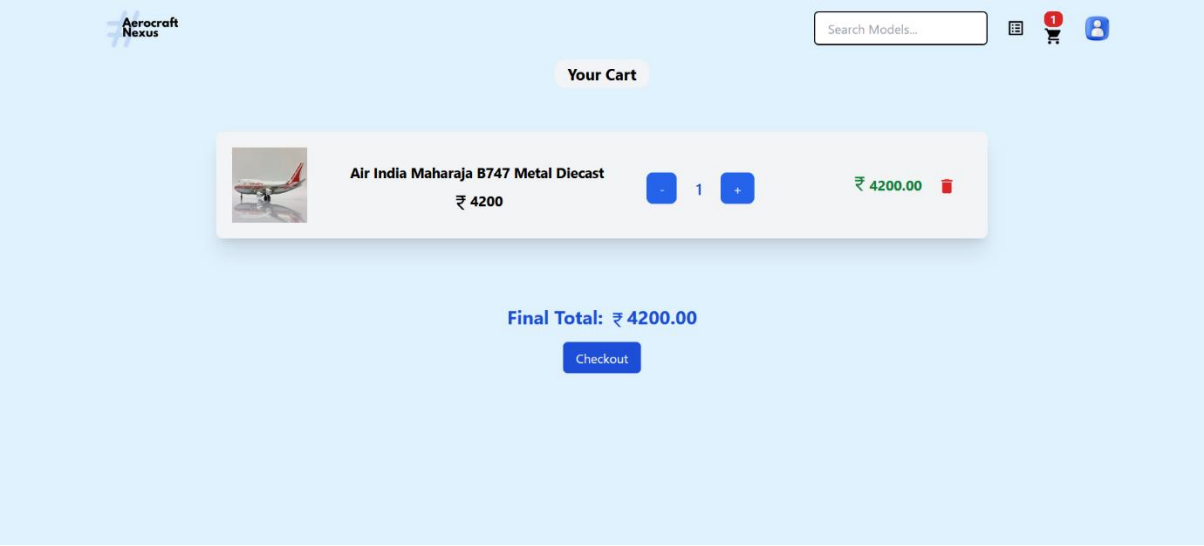

Aerocraft Nexus
Search Models...
Login
Register
Welcome to, AeroCraft Nexus
Models By Category


Aerocraft Nexus
Search Models...
Login
Register
Featured Models
British Airways B777...
₹ 3600
PIA B777-200 Scale M...
₹ 400
Korean Air B777 Diec...
₹ 3300
Emirates A380-800 Di...
₹ 3500
All Nippon Airways b...
₹ 2800
Air India Maharaja B...
₹ 4200
Beluga Airlines A30...
₹ 10500
Singapore Airlines A...
₹ 2650
Qatar Airways a380 s...
₹ 3880
Air New Zealand 787-...
₹ 3120

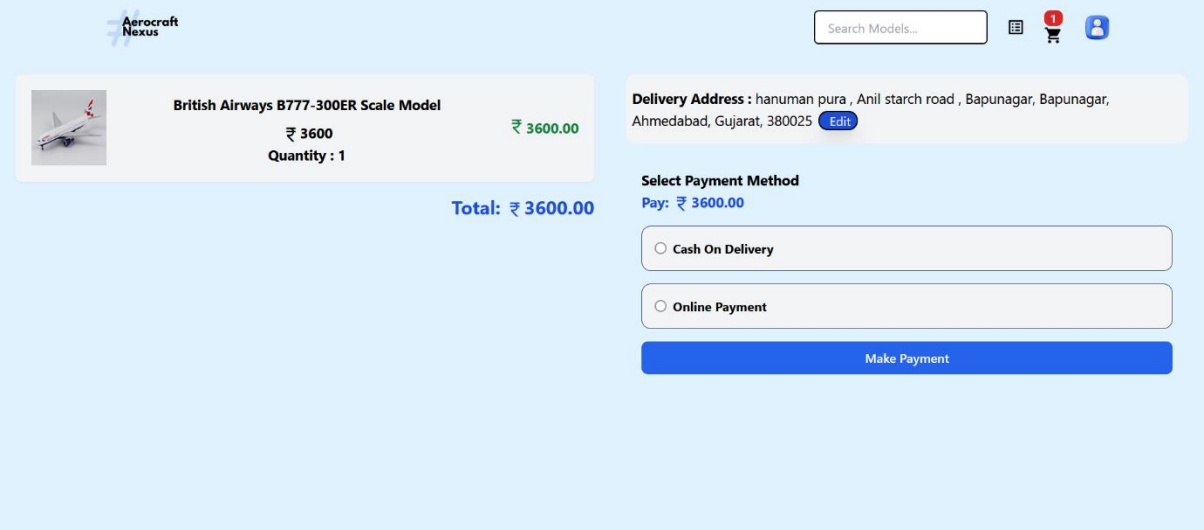
- # Product page

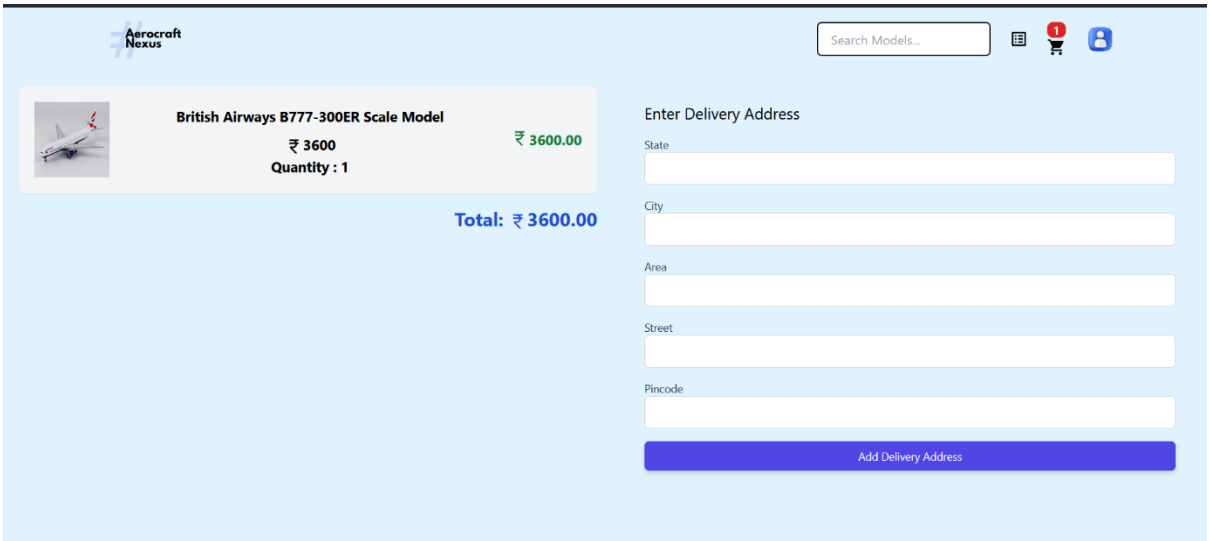


- **Cart page**

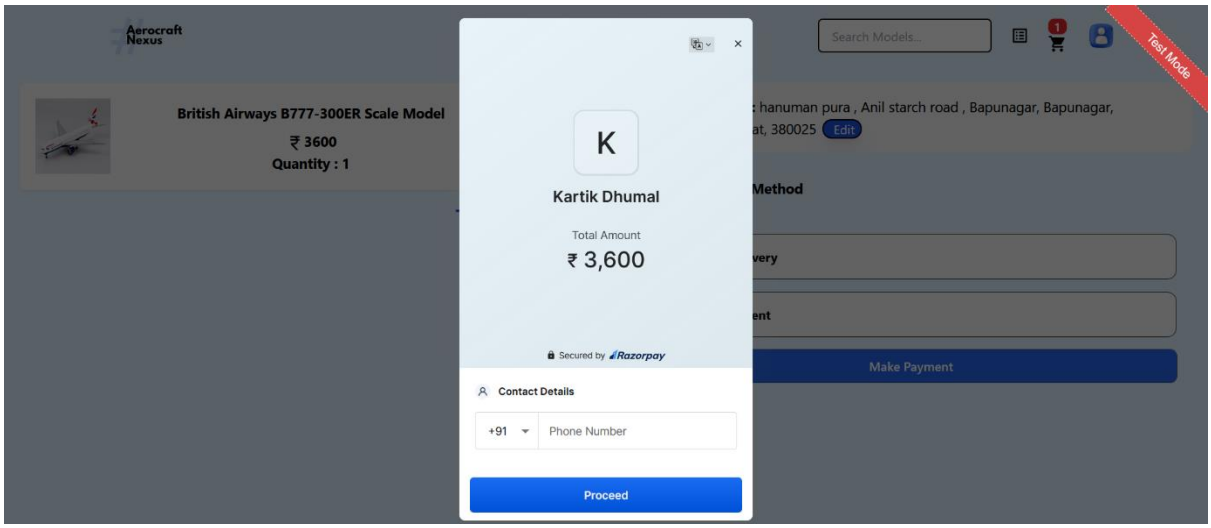

Aerocraft Nexus
Search Models...
1
Your Cart
Air India Maharaja B747 Metal Diecast
₹ 4200
-
1
+
₹ 4200.00
Final Total: ₹ 4200.00
Checkout

- # Add address page

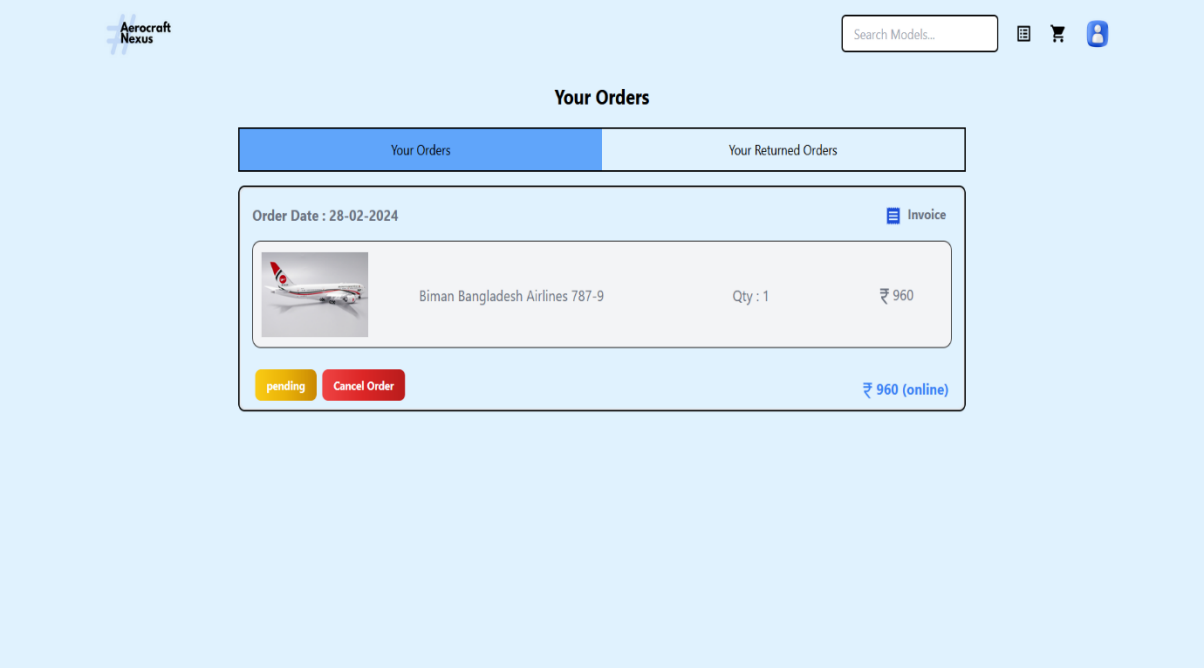




- **Payment page**

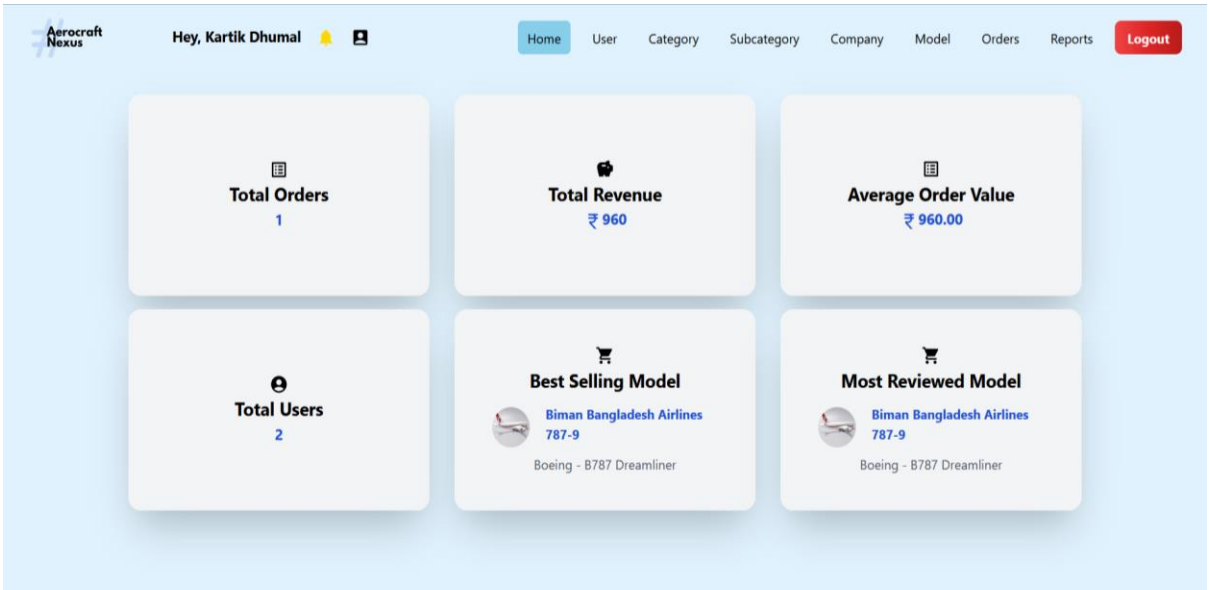


- **Return & Cancel order**

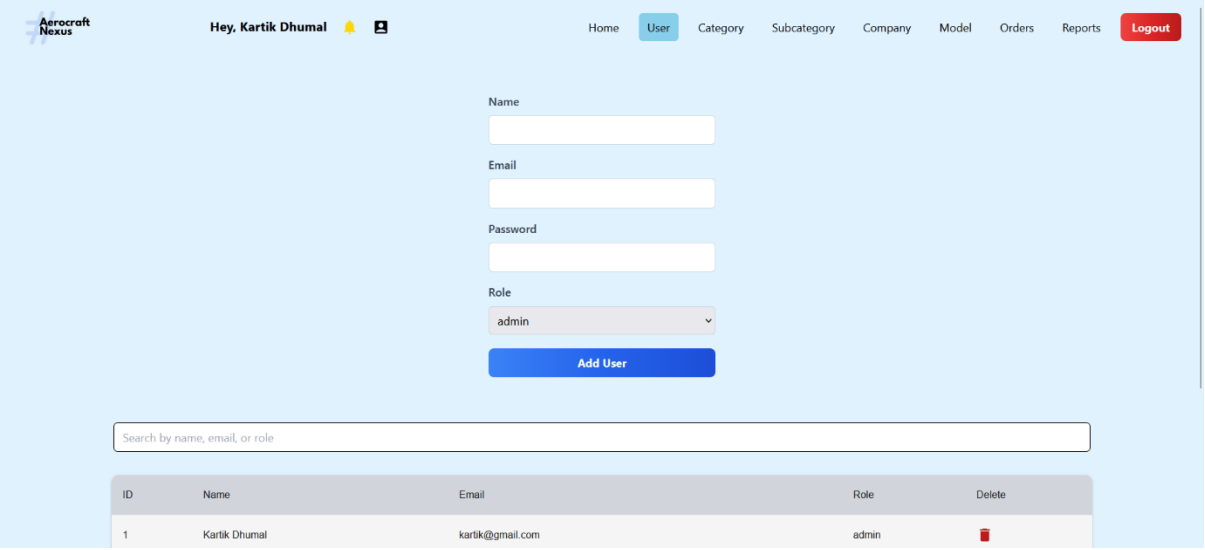


Admin panel

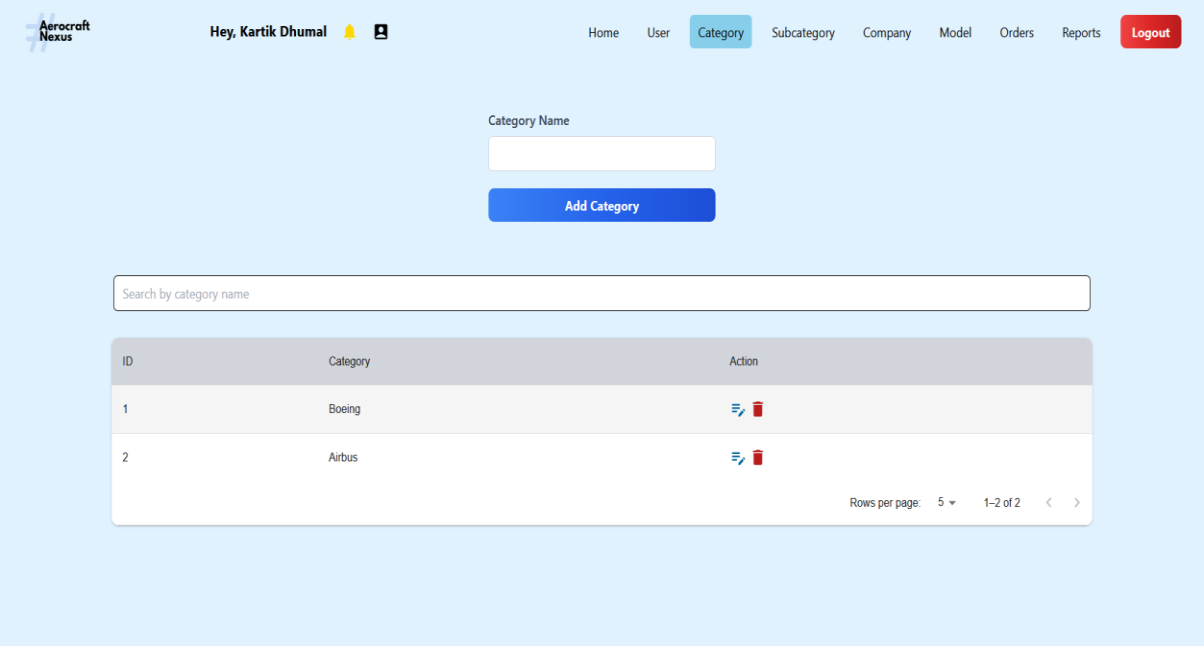
- # Admin page


Aerocraft Nexus
Hey, Kartik Dhumal
Home
User
Category
Subcategory
Company
Model
Orders
Reports
Logout
Total Orders
1
Total Revenue
₹ 960
Average Order Value
₹ 960.00
Total Users
2
Best Selling Model
Biman Bangladesh Airlines
787-9
Boeing - B787 Dreamliner
Most Reviewed Model
Biman Bangladesh Airlines
787-9
Boeing - B787 Dreamliner

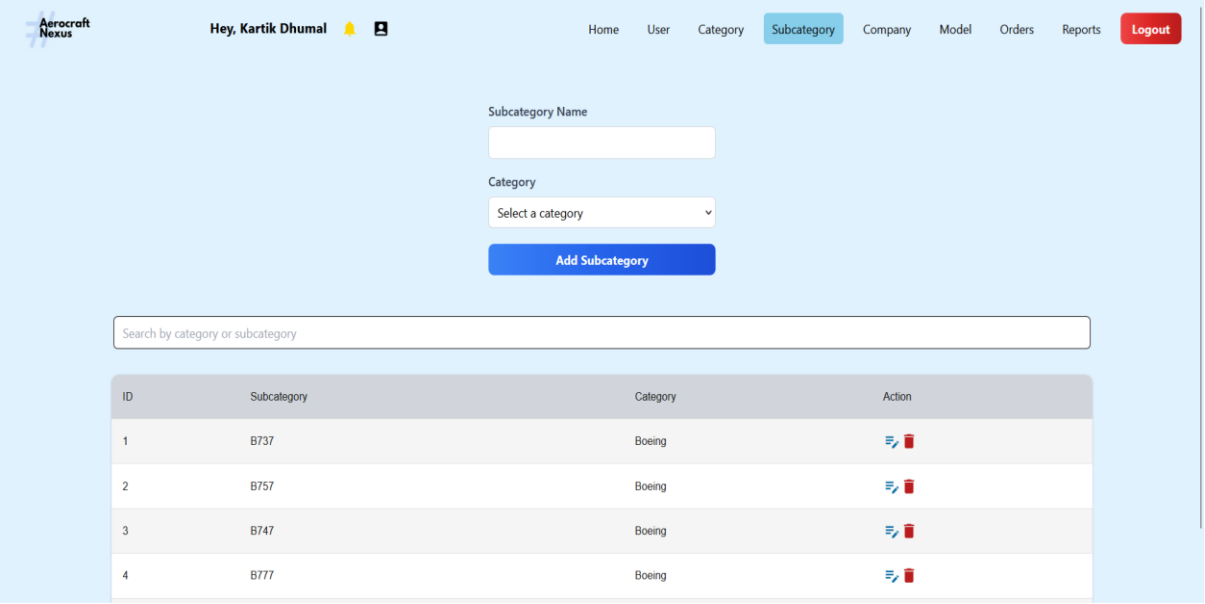
- # Manage users



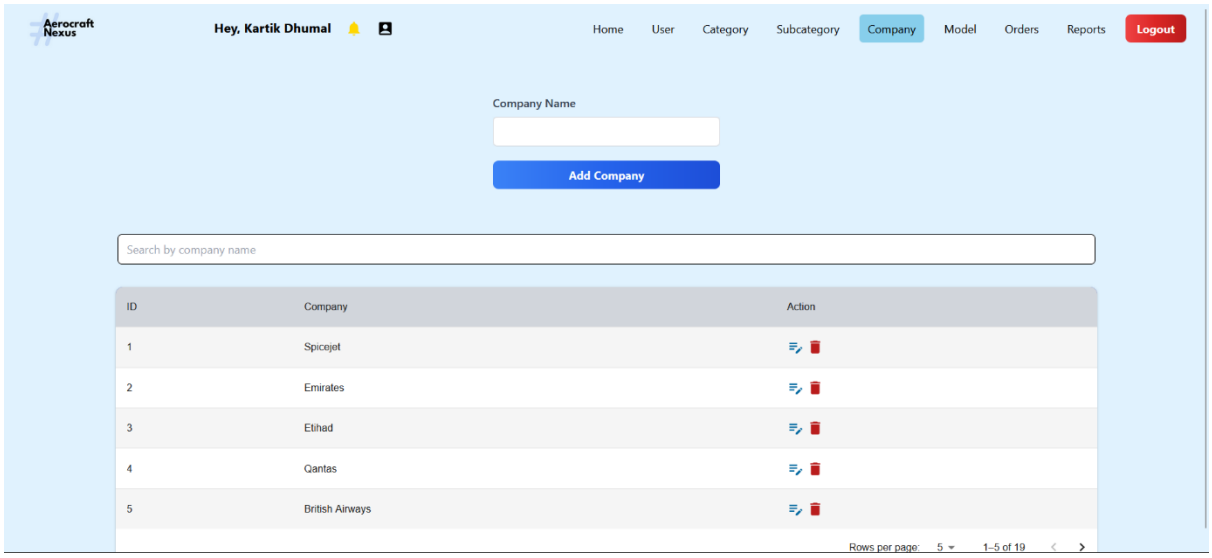
- # Manage category



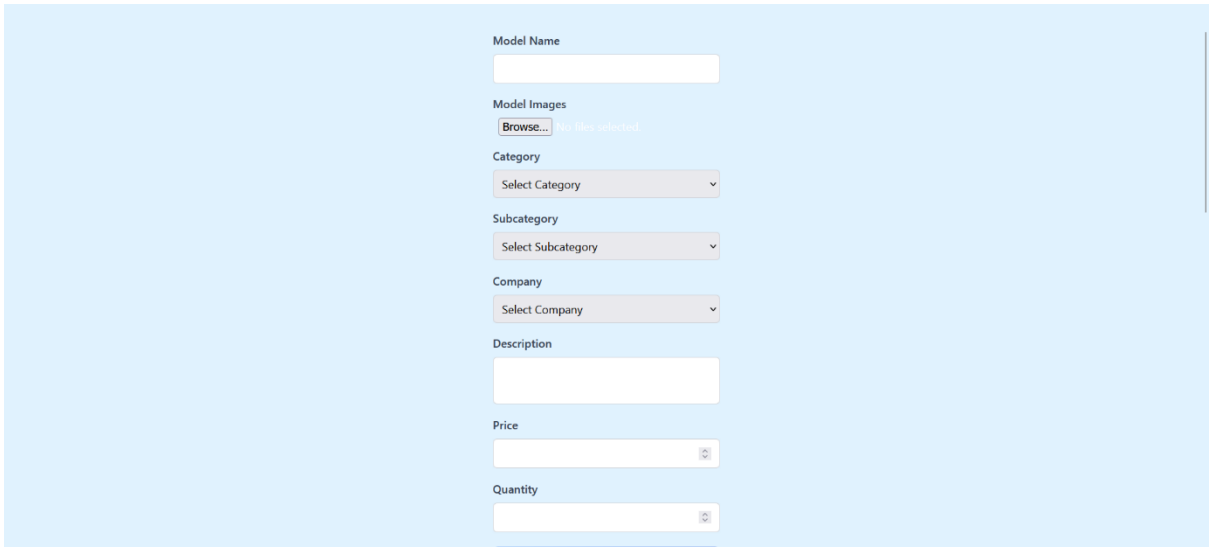
- # Manage subcategory

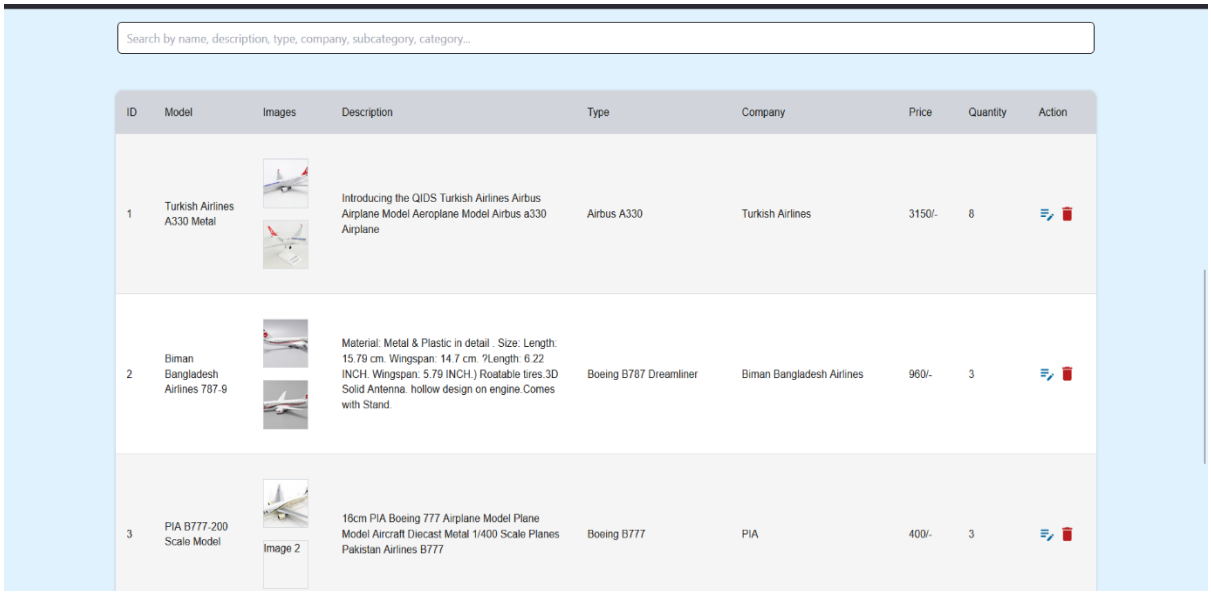


- **Manage company**

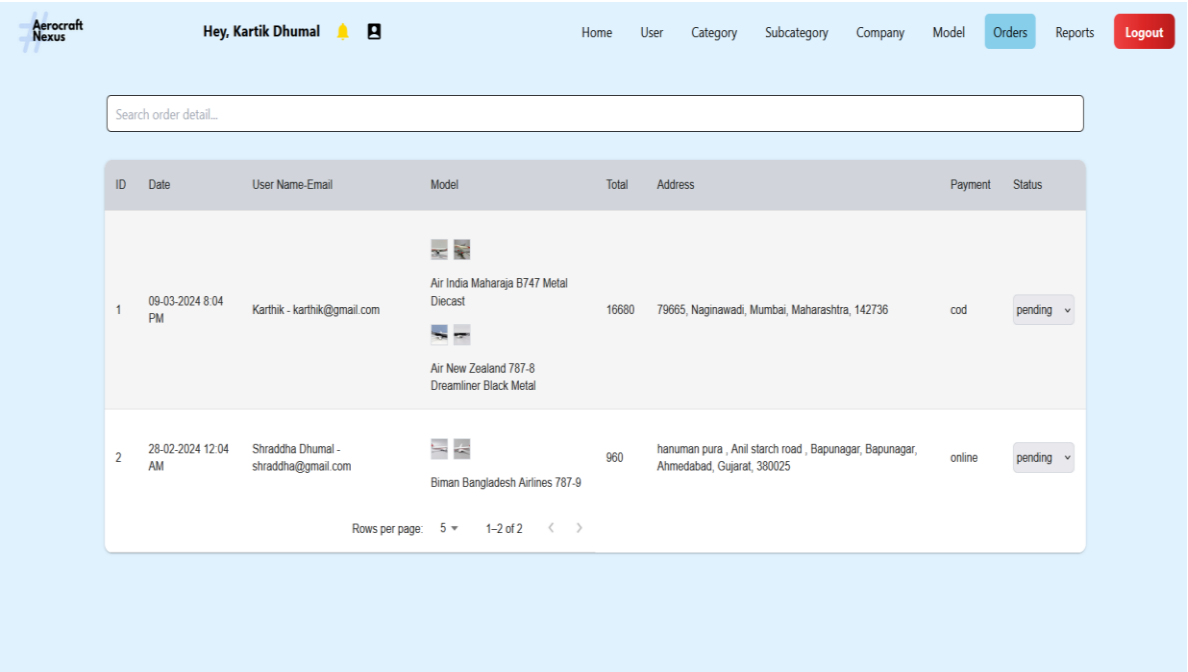


- # Manage products

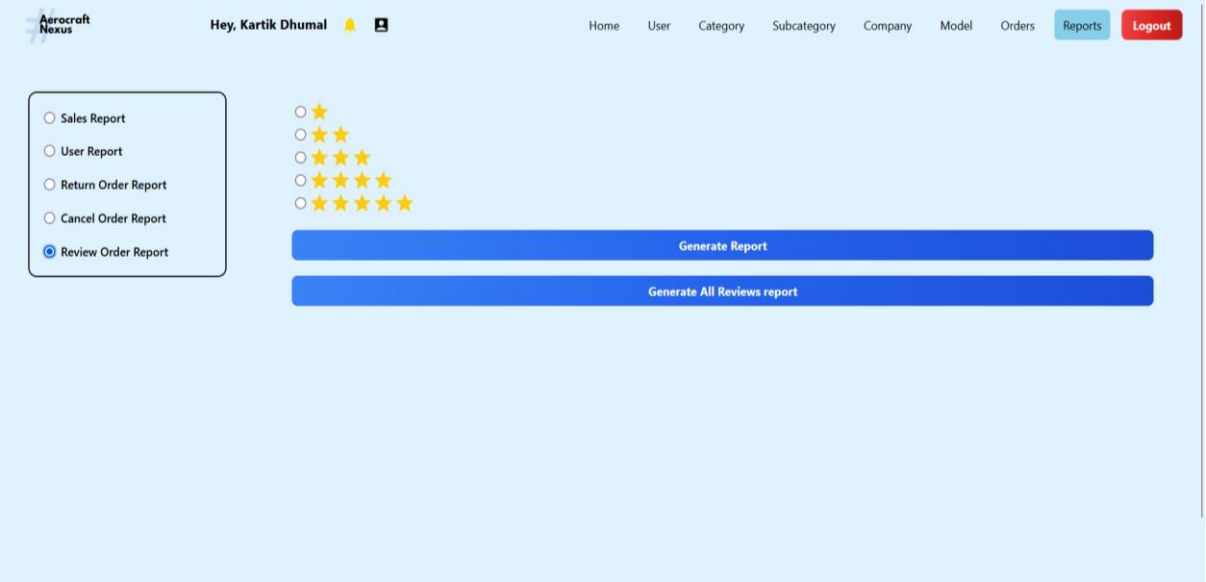


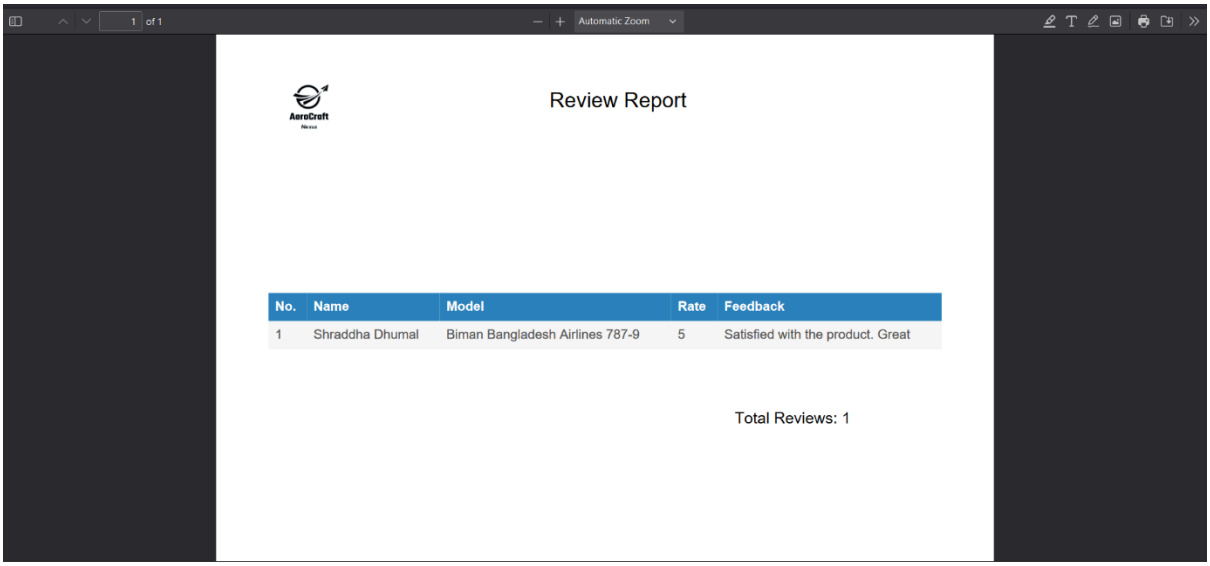


- **Manage orders**



- # 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.**