

BestBags E-commerce Platform

NodeJs

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Project Overview

BestBags is a fully functional e-commerce platform, allowing users to browse, shop for, and purchase a variety of bags. It provides a realistic shopping experience with features such as product catalog, shopping cart, and secure checkout process

Technologies Used

- Node.js
- MongoDB
- Express.js
- Bootstrap
- FontAwesome
- Stripe API for payment processing
- Mapbox API for displaying the map on the about us page
- AdminBro for implementing and customizing the admin panel
- Nodemailer for handling emails from the contact us form
- Passport for authentication
- Express Validator for form validation

Project Details

User Features:

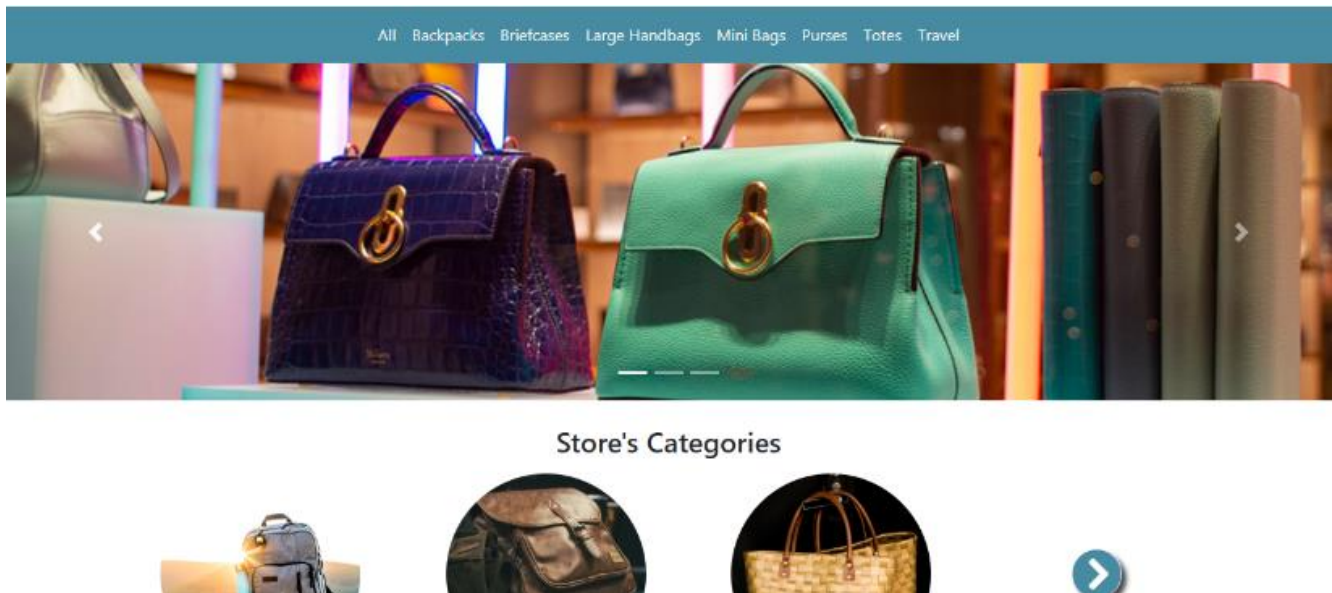
- Authentication: Users can sign up, log in, and log out securely.
- Product Catalog: Browse available products added by the admin.
- Shopping Cart: Add products to the shopping cart, delete items, and view the cart.
- Checkout: Secure checkout process with integration of Stripe API for payment processing. Users must be logged in to proceed to checkout.
- Profile: Users can view their order history in their profile.

Admin Features:

- Admin Panel: Accessible at "/admin" with admin email and password.
- Data Management: View/add/edit/delete orders, users, products, and categories.
- Admin Dashboard: Provides an overview of key metrics and data.

How to Run

- Set up environmental variables in the .env file:
- **MONGO_URI**: Connection string of your MongoDB Atlas database.
- **SESSION_SECRET**: Secret message for the session.
- **STRIPE_PRIVATE_KEY**: Private API key for Stripe.
- **GMAIL_EMAIL**, **GMAIL_PASSWORD**: Email and password for sending/receiving emails.
- **ADMIN_EMAIL**, **ADMIN_PASSWORD**: Email and password for admin login.
- **ADMIN_COOKIE_NAME**, **ADMIN_COOKIE_PASSWORD**: Cookie name and password for AdminBro authentication.
- Navigate to the "seedDB" folder and run:
node category-seed.js node products-seed.js
Run **npm start** in the terminal.



Future Enhancements

- Implementing user reviews and ratings for products.
- Adding advanced search and filtering options for the product catalog.
- Enhancing the admin panel with analytics and reporting features.
- Integrating with third-party services for shipping and inventory management.
- Optimizing performance and scalability for handling larger volumes of traffic and data.