



An E-Commerce website for Carbon Blue

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ABSTRACT:

This project aims to develop an educational children's books and toys website that is visually appealing and user-friendly, for both kids and parents. It includes user reviews for products, a personalized user dashboard for managing profiles and viewing order history, a cart system, and a review system for rating books. The website has a clean, fun and engaging interface with bright colours to emphasize the educational value of the content for kids. Overall, this project intends to create a platform that simplifies the purchase of educational books and fosters a community of informed and satisfied parents.

Keywords: Stem-connect, Jolly Learning, Modern Education, Kids Development, Traditional Education, Teacher Training, Enhanced Education, Early Childhood, Educational Books.

1) INTRODUCTION

In today's fast paced digital world, giving children a strong start in their learning journey is more important than ever. Parents and educators are always on the lookout for fun, creative ways to spark curiosity and help young minds grow. **Educational books and Toys** is the most effective and timeless tools in this journey. These books do more than just telling stories. They help building language skills, boost brain development and even teach important social lessons in a way that's easy for kids to understand. That's when our project comes in. We are creating a website dedicated to educational books and toys for kids that is not only visually inviting for both parents and kids but also user-friendly. The goal is to bring together a curated collection of high-quality educational books, a thoughtful range of features like personalized user experience, secure payments, and an honest review system for both parents and children. What makes this project special is its potential to blend traditional learning with the power of modern technology. By focusing on the latest web design and user-friendly experiences, the website will create an engaging environment that encourages learning through reading. Whether you are a parent looking for the perfect bedtime story or a teacher seeking classroom resources, this platform is built with you in mind.

2) LITERATURE REVIEW

• Educational Books

Educational books have always played a big role in a child's development. They help boost brain power, expand vocabulary, and critical thinking. They promote emotional intelligence by encouraging kids to think about feelings empathy and self-awareness.

• Interactive & Smart Books

Thanks to technology, books are now more exciting than ever. Smart books combine traditional storytelling with cool features like audio, interactive elements, and even augmented reality (AR). Imagine a storybook where characters come to life or words are read aloud these features make reading more fun, especially for young learners. Over time, these books have gotten smarter. Many now focus on specific areas like phonics, storytelling, or beginner STEM topics. They offer a hands-on approach that helps kids understand tricky ideas more easily like learning math by playing or understanding science through storytelling.

• STEM-Focused Books

Making Big Ideas Easy to Understand:

STEM-focused books are all about turning complex science and math concepts into fun and simple ideas that kids can actually enjoy. Instead of just listing facts or formulas, these books use engaging stories, colorful visuals, and interactive activities to help young readers grasp important topics in a way that feels natural and exciting.

Why They Matter:

With a little support from parents or teachers, STEM books can do so much more than just teach, they help kids develop real-world skills like critical thinking, creativity, and problem-solving. These books lay the foundation for future learning and spark curiosity about how things work, making them a great tool for preparing young minds for a world that's all about technology and innovation.

6) OBJECTIVES

1. Parental Resource Hub

- Educational Book Recommendations: Provide curated lists of children's books that provide information about developmental stages and learning goals that help parents to make informed choices.

2. Educational Institutions

- Bulk Book Orders for Schools: Allow schools and educational institutions to do research and request multiple copies of books for classroom resources, and managing large orders.
- Teacher Resources: Include teaching guides, lesson plan ideas, and classroom activities based books available on the website to support interactive learning.

3. E-commerce Platform

- Online Bookstore: Develop a dedicated online platform that offers a wide range of educational books and toys thoughtfully organised with features like a review system, cart and checkout functionality, and book categorization based on subject.
- User Dashboards: Provide users with personalized dashboards to manage profiles, view purchase history, and track their favourite books.

4) SOFTWARE USED

For this project, we have used **HTML, CSS, JavaScript, PHP, and MySQL**. This combination gave us everything we needed to build both the front end and the back end of the website.

- **HTML** for structuring, like the homepage, listing products, user login, and the cart.
- **CSS** for styling, we used vibrant, playful, fun colours to give it a kid-friendly, fun vibe while still keeping it professional for parents.
- **JavaScript**, we used it for form validations, UI elements, and improving the overall user experience without reloading pages.
- **PHP** for the backend. For things like user registration and login, processing orders, managing the cart, and storing/retrieving data from the database.
- **MySQL** for the database. We created tables for users, products, reviews, orders, and admin controls. It helped to store all the database.

5) HARDWARE AND SOFTWARE

Computers for developers with specifications such as:

- RAM: 16 GB or higher
- Storage: SSD with a minimum capacity of 256 GB
- Graphics: Integrated or dedicated graphics card

5.2 SOFTWARE REQUIREMENTS:

Developers: - Linux (Ubuntu, CentOS) or Windows Server

Client Software: -

- Web Browsers: Latest versions of Google Chrome, Mozilla Firefox, Safari, and Microsoft Edge

- Mobile Browsers: Latest versions of mobile browsers on iOS and Android

- Front End: - HTML, CSS
- Back End: - PHP, SQL

3) MODULE AND SCREENSHOTS

The e-commerce platform was built following a modular model, where each component handles specific tasks. The front end is responsible for a smooth and interactive experience for users, while the backend manages data, logic, and interactions with the database.

- The **User Module** lets users register, log in, view and edit their profiles, manage their carts, and view order history.
- The **Admin Module** allows the site owner to manage products, view customer feedback, handle orders, and check analytics.
- The **Product Module** displays book categories, featured products, and individual item details along with user reviews.
- The **Community Section** has features like testimonials, reviews.

SIGN UP OR LOGIN PAGE:

Sign In

Use your email and password

pawarshravani78@gmail.com

Forgot Your Password?

SIGN IN

Welcome Back!

Ready to continue the fun? Sign in with your details here

SIGN UP

Hello, Friend!

By creating an account or logging in, you agree to Carbon Blue's Conditions of Use and Privacy Policy.

SIGN IN

Create Account

use your email for registration

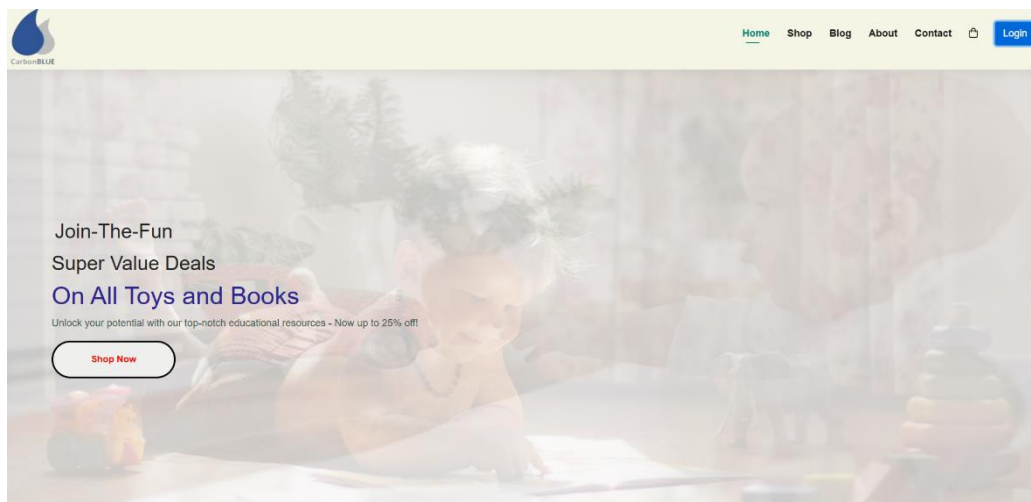
Phone Number

Email

Password

Confirm Password

SIGN UP


USER DATABASE PAGE:


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#Funwithtoys

Unlock your potential with our top-notch educational resources - Now up to 25% off!







Jolly Learning
Jolly Phonics Picture Flash Cards




Jolly Learning
Grammar 1 Pupil Book



Jolly Learning
Grammar 1 Workbooks Set of 1-6




Jolly Learning
Grammar 2 Pupil Book




Jolly Learning
Grammar 5 Pupil Book

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Jolly Learning
Jolly Phonics Picture Flash Cards
★★★★★
₹1350




Jolly Learning
Grammar 1 Pupil Book
★★★★★
₹295




Jolly Learning
Grammar 1 Workbooks Set of 1-6
★★★★★
₹2200



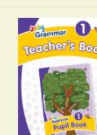
Jolly Learning
Grammar 2 Pupil Book
★★★★★
₹295




Jolly Learning
Grammar 5 Pupil Book
★★★★★
₹295




Jolly Learning
Grammar 4 Pupil Book




Jolly Learning
Grammar 1 Teacher Book



Jolly Learning
Grammar 2 Teacher Book



Jolly Learning
Grammar 3 Teacher Book




Jolly Learning
Grammar 4 Teacher Book

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#let's_Talk

Leave A Message, We Would Love To Hear From You!



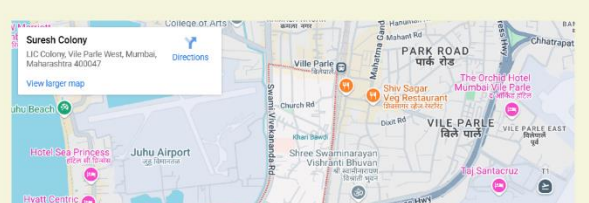
Get in Touch

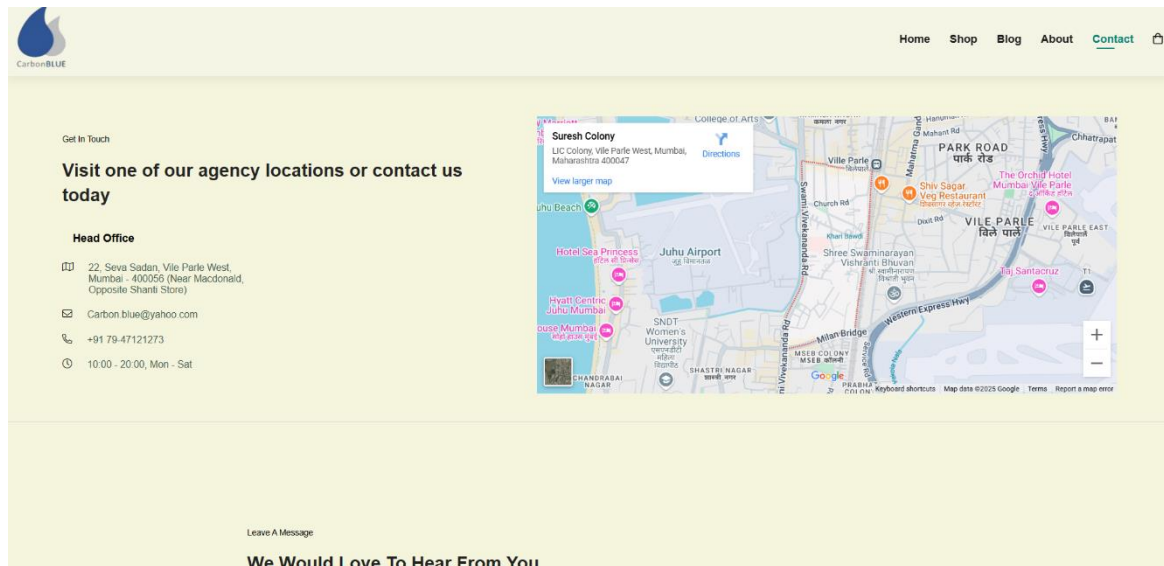
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Head Office

22, Seva Sadan, Vile Parle West, Mumbai - 400056 (Near Macdonald, Opposite Shanti Store)

Carbon.blue@yahoo.com





7) RESULT

The final website successfully meets the objectives mentioned at the beginning of the project. The interface is clean, colourful, and user-friendly, specifically designed for parents and educators searching for educational books and resources.

Key achievements:

- Smooth registration and login experience with personalized dashboards.
- Review system, allowing users to share their feedback on books.
- Cart and checkout process tested and fully functional.
- Admin backend panel allows for easy product and order management.
- Fully responsive layout.

Overall, the platform provides a seamless e-commerce experience focused on educational books. Testing was done across multiple browsers and devices, and feedback from a small group of users (including parents and educators) was positive in terms of usability, navigation, and visual appeal through survey.

8) CONCLUSION

The development of an educational book and toy website represents a connection between technology and learning resources. By providing a user-friendly platform with personalized experiences and a wide range of high-quality educational books, this project aims to meet the growing demand for educational tools.

The website stands out with thoughtful features like real user reviews and curated educational content, making the shopping experience smooth, helpful, and even enjoyable for both parents and educators. It's more than just a place to buy books, it's a space where people can discover, share, and support each other in helping children learn and grow.

And this is just the beginning. There's so much room to grow from offering personalized book subscription boxes to developing a mobile app filled with interactive learning tools. As the needs of families and educators evolve, the platform can evolve with them, always staying one step ahead.

At its core, this project is about more than just books. It's about building a supportive, informed community of people who care deeply about childhood education. By combining quality content with smart, user-friendly technology, this website has the potential to become a go-to destination for anyone passionate about helping kids thrive through reading and learning.

9) FUTURE SCOPE:

Enhanced User Experience: Create a dedicated mobile app to make browsing and buying books even easier on smartphones and tablets. This will give users a smooth shopping experience.

8) REFERENCE

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