**CS 6314 PROJECT REPORT**

**ONLINE COLLEGE BOOK STORE**

**Team Members:**

Bhargaw Rajnikant Patel, BRP190004, Section: 001

Nishant Ramani, NXR200011, Section:001

Tathya RajminKumar Thakar, TXT200018, Section:002

**Project Title:** Online College Book Store

**Project description:** Online College Book Store is web application where you can buy all types of college books and materials from your comfort zone rather than going to store personally. Main aim behind this module is that in this era of competition; let the online bookstore grow continuously in the market and obtain maximum profit by increasing sell and reducing physical store maintenance cost. Also, the customer will be able to get book from online store rather than local stores at competitive price.

**Database Design:**

We used MongoDB as our Database.

Various data models that we used are

Employee Database:

Text

Description automatically generated

Cart Database:

Text

Description automatically generated

Book Database:

Text

Description automatically generated

User Database:

Text

Description automatically generated

**Languages and Frameworks:**

Frontend: React

Backend: ExpressJS

JS Framework: NodeJS

Database: MongoDB

State Management: Redux

**Assumptions Made:**

Admin account is pre created.

**Screenshots of the functionalities:**

Home Page:

Graphical user interface, website

Description automatically generated

User Registration:

Registration page

Graphical user interface, text, application, email

Description automatically generated

Password Match Validation:

Graphical user interface, text, application, email

Description automatically generated

Password Validation:

Graphical user interface, text, application, email

Description automatically generated

User Exists Validation:

Graphical user interface, text, application, email

Description automatically generated

User Details Entry in Database:

Graphical user interface, text, application

Description automatically generated

Search and Filter:

After Appling First Filter (in this case engineering is first filter):

Graphical user interface, website

Description automatically generated

After Appling Second Filter (in this case Mechanical Engineering is second filter):

Graphical user interface, website

Description automatically generated

Book Detail Page:

Graphical user interface, text, application

Description automatically generated

During checking out item count can be increased or deleted.

Graphical user interface, application, Word

Description automatically generated

Cart after adding second item:

Graphical user interface, application

Description automatically generated

Cart Items Entry in Database:

Graphical user interface, text, application, Teams

Description automatically generated

Order Place:

Graphical user interface, application, Word

Description automatically generated

Order History:

Graphical user interface, application

Description automatically generated

**Admin Functionalities:**

Admin Access Validation:

Graphical user interface, text, application

Description automatically generated

Admin User Dashboard:

A screenshot of a computer

Description automatically generated

Inserting new item:

Graphical user interface, text, application, email

Description automatically generated

Insert Validation:

Graphical user interface, text, application, email

Description automatically generated

Page After Book Insert:

Graphical user interface, website

Description automatically generated

Updating an item:

Graphical user interface, text, application

Description automatically generated

Page After Book Update:

Graphical user interface, website

Description automatically generated

Database Before Book Delete:

Graphical user interface, text, application

Description automatically generated

Deleting Book from Database:

Graphical user interface, text, application

Description automatically generated

Database After Book Delete:

Graphical user interface, text, application, email

Description automatically generated

Page After Book Delete:

Graphical user interface, website

Description automatically generated

**Team Members:**

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| --- | --- | --- | --- |
| **Member** | **NETID** | **SECTION** | **CONTRIBUTION** |
| Bhargaw Rajnikant Patel | BRP190004 | 001 | Front-End: Product Page, Product Details Page, Wishlist page, Filtering.  Back-End: View Products API, Search and Filter, Product Details API  MongoDB |
| Nishant Ramani | NXR200011 | 001 | Front-End: Admin Pages, Profile Pages, Order History Page  Back-End: Admin Products CRUD operations, View Orders API  MongoDB |
| Tathya Rajminkumar Thakar | TXT2000018 | 002 | Front-End: Login Page, Register Page, Checkout Pages  Back-End: Login API Register API, Create Order API.  MongoDB |

Demo Link: <https://drive.google.com/file/d/107JFXs2c1k7m3c06AyHjnQY5vJHKsXMn/view?usp=sharing>