**MINI-PROJECT 1**

**(2020-2021)**



Department of Computer Engineering and ApplicationsGLA University, Mathura.

**Project Synopsis** on: Online BookStore

**Pick-A-Book**

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INTRODUCTION

**“Pick-A-Book”** is an Online Bookstore/Web portal where book lovers can find a whole heaven of books. Our portal has a database of many genres ranging from Fiction, Sci-Fi, Comedies, Romantic books, Romantic Comedies and many more! Along with Book Titles, we will also provide a summary/description of individual books. Reviews of individual books will also be available on our portal. There will be a range of books available both in English and Hindi.

Our portal has a **“Kids”** section as well, that will feature book recommendations especially for kids.

Any interested reader may be able to purchase his/her choice of books from our portal. We also have an option of **“Register as a Seller”** where a Publisher/Author who wants to sell, may even register as a Seller and partner with us! Apart from all these features, a user/buyer will be able to Create an Account for him/herself via the SignUp page. Existing Users may Login and continue using their previously created accounts.

OBJECTIVE OF THE PROJECT

* The main objective of the Online Book Store is to manage the details of a variety of Books, Customers and Sellers.
* All products are going to be categorized for easy search, in the home page’s latest tab and top 10 products will be displayed in it.
* With this online bookstore system, consumers do not need to blindly go to various places to find their own books, but only in a computer connected to the Internet log on the Online Bookstore System.
* Many new writers/authors who are struggling with their books, can start selling their books here itself.
* The online bookstore helps in saving time and it brings convenience to all by having details of all books in one place.
* This online bookstore is helpful for the parents as well. Since they usually don’t have time to go to market, they can easily purchase books for their kids from here, at a very reasonable price.

TECHNOLOGIES USED

“Pick-A-Book” online store is made by using ***“MEAN”*** stack technology.

These are:

1. **MongoDB:** MongoDB is a document-oriented database. It does not use tables and rows to store the data, but instead *collections of JSON-like documents.* These documents support embedded fields, so related data can be stored.

It is also a schema-less database, which means we do not need to specify the number or type of columns before inserting our data.

1. **Express:** Express.js is a Node.js web application server framework, which is specifically designed for building single-page, multi-page, and hybrid web applications.

3. **AngularJS:** AngularJS is a structural framework for dynamic web

apps. It lets the use of HTML as the template language and extend

HTML's syntax to express the application's components clearly and

Succinctly.

4. **Node.js:** We are using Node.js as backend technology. It is an open source server environment. It uses java script on server

Along with the “MEAN” technologies, we will be using:

**HTML:** For user interfaces.

**CSS:** For making interfaces more attractive and stylish.

**Bootstrap 4:** To make the website responsive and more attractive.

FUTURE SCOPE

The future scopes for this project are many. This portal can be initially used as an independent Bookstore and as the database grows and reviews increase:

* The Pick-A-Book bookstore can be converted into a Digital Library all across the nation or perhaps even the world.
* The online bookstore system can not only reduce costs, save time, space and bring convenience to everyone, but also promote the development of the logistics industry, serving three purposes, mutual benefit.
* Students may benefit from this portal because addition of textbooks and course related materials can be made when the platform grows popular.

FEATURES

* Manages the information of customers and sellers
* Manages the information of books
* The transactions are executed in off-line mode
* Allows to search books by author
* Allow the customer to add reviews and comments
* Provides description of books

MODULES

“Pick-A-Book” will contain 3 modules. You can find these pages when you login or sign-up as:

* **BUYER**
  + My Account
  + Forget Password

* + Change Password

* + Edit Profile
  + Buy Product
  + Categories
  + Kids Section
  + My Orders
  + Order History
  + About Us
  + Contact Us
* **SELLER**
  + My Account
  + Forget Password

* + Change Password
  + View Listed Products
  + Update Listed Products
  + View Placed Orders
  + About Us
  + Contact Us
* **ADMINISTRATORS**
  + Admin Login
  + Add or Edit Users

* + Change Password

* + Approve Member

* + Approve Product
  + Create Courier List
  + Update Courier
  + Payment Processing, Reports, etc.
  + View placed orders
  + About Us
  + Contact Us

AUDIENCE TARGET

Our main target audience are Readers and Book Publishers/Authors., specially readers form majority of our target audience. We will also target students and teachers with this website as they are some of the main consumers of Educational Books/Resources. Since our portal also contains a section where an Author or Books Publisher can Register as Sellers, they also form a major part of our target niche.

REFERENCES

* <http://www.mongodb.com/>
* <https://angular.io/>
* <https://nodejs.org/>
* <https://www.w3schools.com/>

**THANK YOU!**