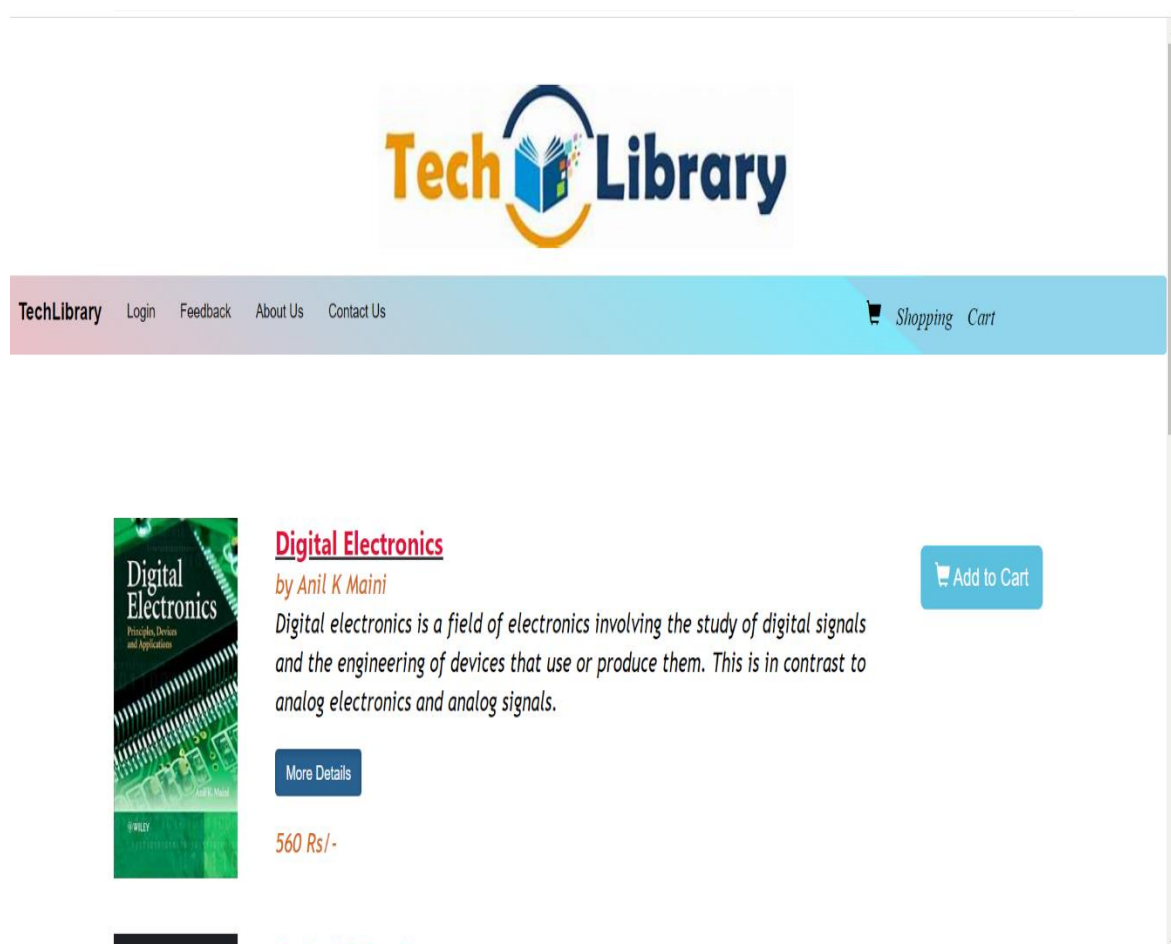


## Project: Tech-Library

### Front End Development

TechLibrary is an E-commerce application which provides customers with an opportunity to buy books. It is an online platform which deals with new and old books of all fields. It maintains the database of new books and records the books that have been purchased by customers as order history. The admin of the website purchases the books from the vendor and displays it to the customer or the buyer. The order will be placed by the customer when the login is successful. After he has placed his order, he can proceed with the payment.

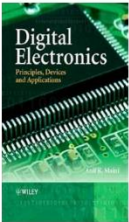
Once the application is loaded the first screen appears as below:



This is the home page. All the book products from “Book” entity will be displayed in this page. To view this page, the customer need not login.

localhost:4200 says  
 Digital Electronics book has been added to the cart  
OK

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**Digital Electronics**  
 by Anil K Maini  
*Digital electronics is a field of electronics involving the study of digital signals and the engineering of devices that use or produce them. This is in contrast to analog electronics and analog signals.*

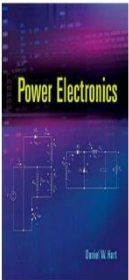
Add to Cart

More Details

560 Rs/-

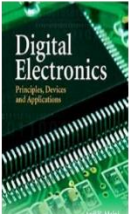
If the customer is willing to buy any book product from the application, then the respective book should be added to the cart. When the book is added to cart, then alert box will be displayed to confirm that it is being added to the cart.

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**Power Electronics**  
 by Daniel W Hart  
 Department: ECE  
 Version: 1

670 Rs/- remove



**Digital Electronics**  
 by Anil K Maini  
 Department: ECE  
 Version: 6

560 Rs/- remove

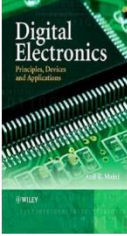
**Total No of Book(s): 3**

---

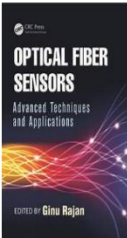
Power Electronics	₹ 670
Digital Electronics	₹ 560
Optical Fiber Sensors	₹ 340

---

Total Cost: ₹ 1570



**Digital Electronics**  
 by Anil K Maini  
 Department: ECE  
 Version: 6  
 560 Rs/- [remove](#)



**Optical Fiber Sensors**  
 by Ginu Rajan  
 Department: ECE  
 Version: 2  
 340 Rs/- [remove](#)

Place Order

This is the shopping cart page. These are the books a customer has added to order. Later if they are not willing to buy certain book, then they can “remove” that book from the shopping cart by clicking on remove button. They can proceed to the payment by clicking on “place order” button.

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Shopping Cart

### Please Login

☐ Show Password
 ☒ Remember me
 [Forgot Password?](#)

Not registered? [Click here](#) to create an account.

If the customer hasn’t logged in while placing his order, he/she will be redirected to the login page. If he already has an account then he will login, otherwise he needs to create an account in sign up page.

There is a “show password” check box to toggle between text and hidden password. The “remember me” check box is used to save the login credentials of use rid and password.

After the customer has logged in, the “login” field in the navigation bar will change to “logout”.

### Please Login

Please enter correct userId and password.

☐ Show Password☒ Remember me[Forgot Password?](#)

Not registered? Click [here](#) to create an account.

When the login credentials are incorrect, the warning message will be displayed.

## New User

User Id

User Id is required

First Name

First Name is required  
Password

Password should have minimum 8 characters, at least 1 uppercase letter, 1 lowercase letter and 1 number

Last Name

Confirm Password

Date of birth



Date of Birth cannot be future date

phone

Mobile Number is required.

Email:

Email address is required

Role



OTP

Entered otp is invalid



Already have an account? [Sign in here](#)

The above is the validation for the sign up page. All the fields in the sign up form is required to be filled with some instructions mention below the textbox.

The “userId” is required as the customer has to login using the username every time he/she logins in the application. The “firstname” is a required data to be filled. The “lastname” is an optional data. The “password” must have a minimum of 8 characters, should contain 1 uppercase, 1 lowercase and 1 number. The “confirm password” checks if both the passwords entered by the customer matches. The “Date of Birth” should not contain a future date. If the “Date of Birth” contains future date the warning message is displayed. “Phone” must contain 10 digits. The “email” must contain @ symbol, after a “.” it should contain atleast two characters. The “role” of the person logging in can be either a customer or an admin.



The screenshot shows a 'NEW USER' sign-up form with the following fields and values:

- User Name:** Shayan
- First Name:** Shayan
- Last Name:** D
- Password:** [Masked]
- Confirm Password:** [Masked]
- Date of birth:** 17-03-2011
- phone:** 8987654326
- Email:** sayandas189@gmail.com
- Role:** Customer (dropdown menu)
- OTP:** 123456

Below the OTP field, a red error message states: "Entered otp is invalid". At the bottom of the form, there are two buttons: "Generate OTP" (green) and "submit" (blue). A loading spinner is visible below the "submit" button. At the very bottom, there is a link: "Already have an account? Sign in here".

This is the Sign up page for a customer or an admin to create an account. The password is encrypted using “SHA-256” (Secured Hash algorithm). The encrypted password will be stored in the database.

When the “Generate OTP” button is clicked, the OTP message will be sent to the email address mentioned in the above text box. When the entered OTP is invalid the message “Entered OTP is invalid” will be displayed.

After entering all the details in the required format, then the account will be created and the customer will be directed to the home page.

Welcome Akshitha

Login



Delivery Address

Address

Address is required.

City

City is required.

Pin Code

Please, Enter 6 digit PINCODE Number.



This is the payment page where login credentials is compulsory to order any book. After the login, the delivery address is required to order. The pincode has to be 6 digits and cannot be left blank.

City

City is required.

Pin Code

Please, Enter 6 digit PINCODE Number.



Payment method

☒ Cash On Delivery

☐ Credit Card

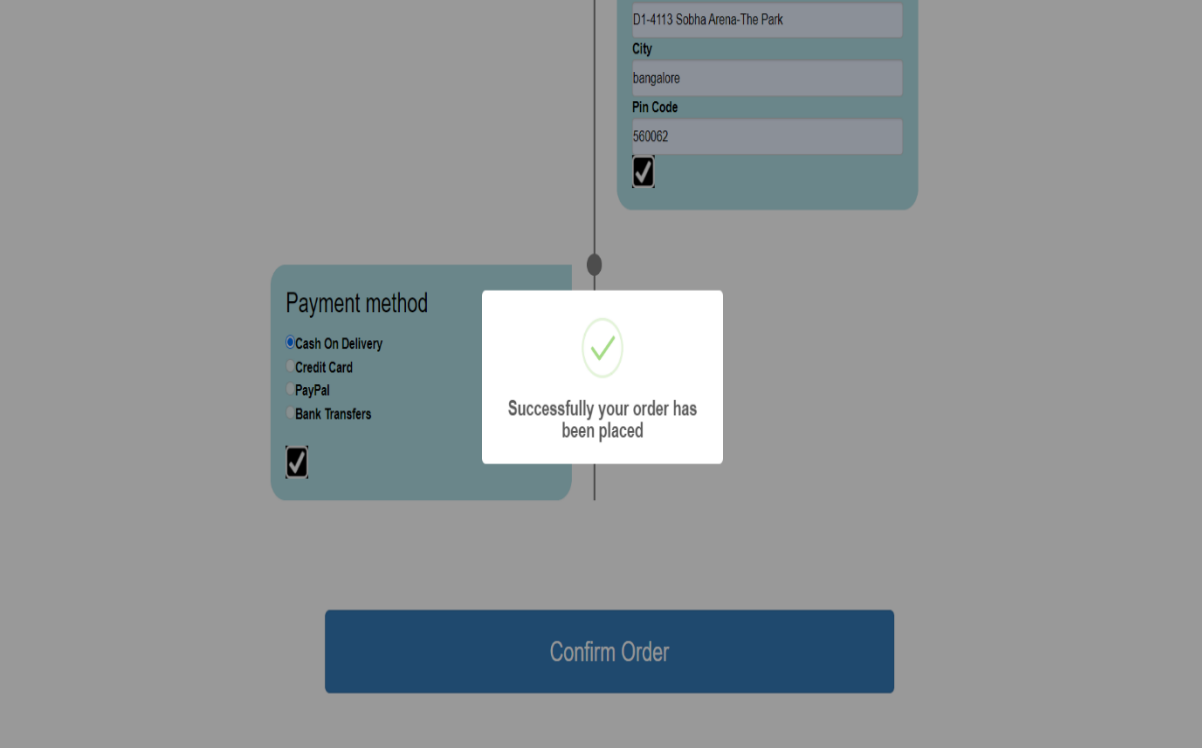
☐ PayPal

☐ Bank Transfers



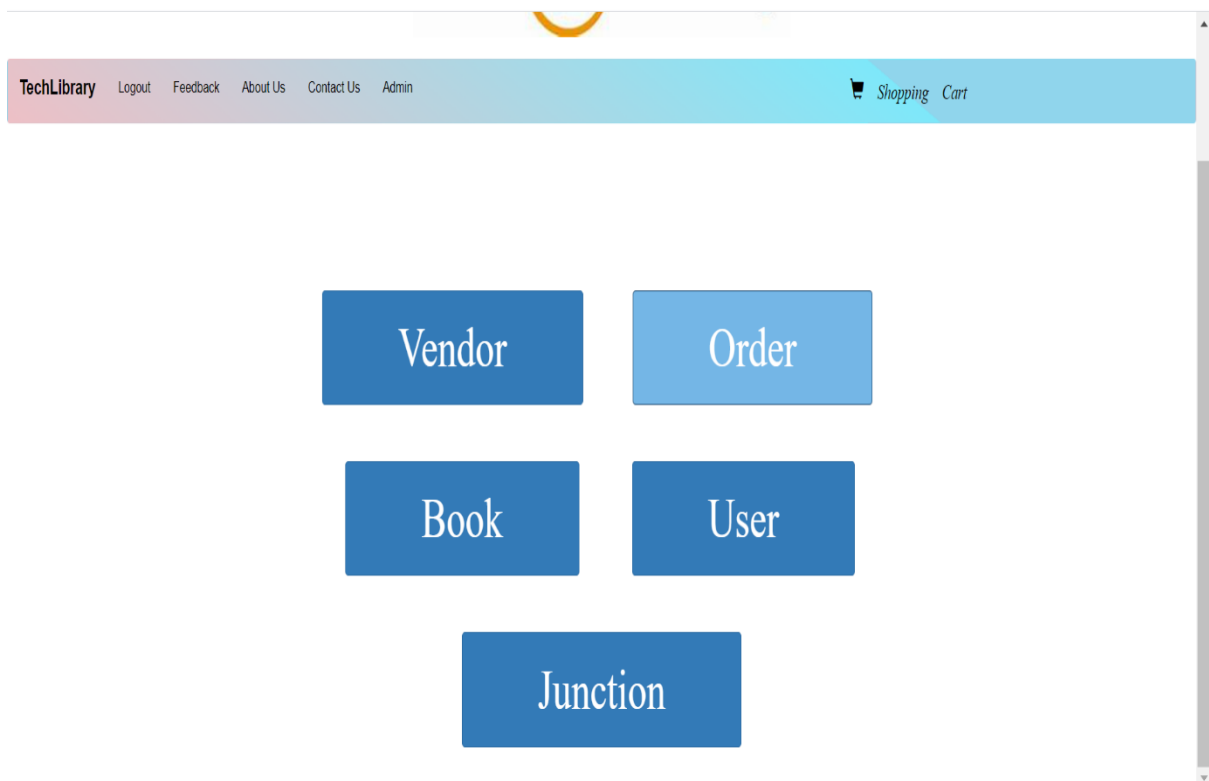
Confirm Order

The payment method "Cash on Delivery" is selected by default. After the payment method, the customer needs to click on "confirm order" button to place the order.



The screenshot shows a checkout interface. At the top right, there is a form for address details: "D1-4113 Sobha Arena-The Park", "City: bangalore", "Pin Code: 560062", and a checked checkbox. Below this, on the left, is a "Payment method" section with options: "Cash On Delivery" (selected), "Credit Card", "PayPal", and "Bank Transfers" (checked). A white dialog box with a green checkmark icon and the text "Successfully your order has been placed" is centered over the payment method section. At the bottom center is a large blue button labeled "Confirm Order".

Once the customer has entered the valid “address”, the confirm order button is enabled and the dialog box appears confirming that the order has been placed successfully.



Only when the user is logged in as “admin” the admin field in the navigation bar will be displayed. For “customers” the admin field will not be visible.

### Vendor

VendorID	Vendor Name
<input type="text"/>	<input type="text"/>
Contact Number	Email
<input type="text"/>	<input type="text"/>

#### Vendor listed

VENDOR ID	VENDOR NAME	CONTACT NUMBER	EMAIL
V0002	Jyothi N	7646568902	jyothi ng@gmail.com
V0003	Karthik G	9876435673	karthik@gmail.com
V0004	ramu	9781237654	ramu@gmail.com
V0001	Raju	8976532243	raju34@gmail.com

The Vendor entity is filled by the admin. The admin can perform CRUD (add, update, delete, find by vendorId) operations on the vendor table. The vendor table contains the list of vendors, who sells the books in the web application.

Here, VendorId is the primary key and all the other attributes will contain the information about the vendor.

### Order

OrderID	BOOKID
<input type="text"/>	<input type="text"/>
Status	
<input type="text"/>	

#### Order listed

ORDER ID	BOOK ID	USER ID	ORDER DATE	ADDRESS	STATUS
611	B0004	Akshitha	2021-04-14T18:30:00.000+00:00	D1-4113 Sobha Arena-The Park,Bangalore-560062	Pending
610	B0002	Akshitha	2021-04-14T18:30:00.000+00:00	D1-4113 Sobha Arena-The Park,Bangalore-560062	Pending
612	B0003	Manasa	2021-04-14T18:30:00.000+00:00	D1-4113 Sobha Arena-The Park,bangalore-560062	Pending
613	B0002	Manasa	2021-04-14T18:30:00.000+00:00	D1-4113 Sobha Arena-The Park,bangalore-560062	Pending
614	B0004	Manasa	2021-04-14T18:30:00.000+00:00	D1-4113 Sobha Arena-The Park,bangalore-560062	Pending

After the customer orders the books, then the bookId for the book which they have ordered and the userId of the customer along with the date on which they had ordered will be added to the "orders" table. OrderId will be auto-generated and will be the primary key.

The admin will have authority to change the status to "pending, shipped and delivered" based on the orderId and bookId.



### Book

BookID

Author Name

Cost

Dept

Publish Date

Title

Version

Description

Pages

Language

Picture

Book Name

Choose file

No file chosen


Add

Update


Delete

Find

### Book list

BOOK ID	BOOK NAME	AUTHOR NAME	VERSION	PUBLISH DATE	DEPARTMENT	LANGUAGE	COST	PAGES	DESCRIPTION	PHOTO
B0002	Digital Electronics	Ami K. Maiti	6	05-01-2019	ECE	English	560	450	Digital electronics is a field of electronics involving the study of digital signals and the engineering of devices that use or produce them. This is in contrast to analog electronics and analog signals.	 <div>Select</div>

The books are stored in the database. The admin can again perform CRUD



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### User listed

UserId	First Name	Last Name	Password	Date Of Birth	Email	Contact Number	Role
Akshitha	Akshitha	Akshitha	5ea3ce0f8c7efb10f4ca9e76826e08a1720f0fee74bc7195175986c854cdad55	2009-02-10T18:30:00.000+00:00	abrarkhankulakarni@gmail.com	8776543230	Admin
Manasa	Manasa	Reddy	f3624f4e481a25805f96ef1328662dc7f65d88cc2929f7f2323a5777059b104f	2007-08-16T18:30:00.000+00:00	akshitha.bhaskar12@gmail.com	8987653223	Customer
Abrar	Abrar	khan	ca8873a692f3d4254a77c59d86d4f3cc5b19a95b4ae189bf711e470482010fa7	2012-06-08T18:30:00.000+00:00	abrarkulakarni@gmail.com	4568895423	Admin

All the users who have an account will be displayed in this page.

### Junction

---

**JunctionID**

**VendorId**

**BookId**

**Book Count**

---

Add
Update
Delete
Find

#### Junction listed

JUNCTION ID	VENDOR ID	BOOK ID	BOOK COUNT	
J0001	V0003	B0002	4	<span style="background-color: #2e7d32; color: white; padding: 2px 5px; border-radius: 3px;">Select</span>
J0003	V0002	B0003	36	<span style="background-color: #2e7d32; color: white; padding: 2px 5px; border-radius: 3px;">Select</span>

The junction table is created because each vendor may supply many books and bookId column cannot be a multivalued. Hence, junction table is created where junctionId is primary key and vendor Id is the foreign key of vendor entity and bookId is the foreign key of book entity. The admin can perform CRUD (add, update, delete, find by junctionId) operations on the junction table.

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**User ID**

**Experience :** ☐ Very Poor ☐ Poor ☐ Average ☐ Good ☐ Excellent

**Comments**

Submit

The “feedback” is given by the customer and the details entered will be stored in the “feedback” entity in the database.

## About Us

### Our Team



TechLibrary, An E-commerce application which provides customers with an opportunity to buy books. It is an online platform which deals with new and old books of all fields. It maintains the database of new books and records the books that have been purchased by customers as order history. The admin of the website purchases the books from the vendor and sells it to the customer or the buyer. The order will be placed.



The above page is the “about-us” page which has information about our project.



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## Contact-us

Have Query ? Contact us on below Details:

Mobile :9874587487

Landline : 088-98745874

email: team4@gmail.com

The above page is the “contact-us” page.