

## TASK-19

Building a Library Management System:

19. Pass Props to a Stateless Functional Component:

- Create a `BookCard.jsx` component that displays details of a book (title, author, and availability status).

**Final File Structure:**

```
/src
  /components
    BookCard.jsx
    Library.jsx
  /styles
    Library.css
  App.js
```

**1. Create BookCard.jsx Component:**

```
// /src/components/BookCard.jsx

import React from 'react';

// Stateless functional component to display book details
const BookCard = ({ title, author, availability }) => {
  return (
    <div className="book-card">
      <h3>{title}</h3>
      <p><strong>Author:</strong> {author}</p>
      <p><strong>Availability:</strong> {availability ? 'Available' : 'Not Available'}</p>
    </div>
  );
};

export default BookCard;
```

**2. Create Parent Component (e.g., Library.jsx):**

```
// /src/components/Library.jsx

import React, { Component } from 'react';
import BookCard from './BookCard'; // Import the BookCard component
import './styles/Library.css'; // Import the CSS file for styling

class Library extends Component {
  constructor(props) {
    super(props);
    // Updated books with Indian literature
    this.state = {
      books: [
        { title: 'Ramayan', author: 'Valmiki', availability: true },
        { title: 'Mahabharat', author: 'Vyasa', availability: false },
        { title: 'Krishna Leela', author: 'Various', availability: true },
        { title: 'Bhagavad Gita', author: 'Vyasa', availability: true },
        { title: 'Upanishads', author: 'Various', availability: false },
        { title: 'Panchatantra', author: 'Vishnu Sharma', availability: true },
      ],
    };
  }

  render() {
    return (
      <div className="library">
        <h2>Library Management System</h2>

        { /* Map over the books and pass each book's data as props to BookCard */ }
        <div className="book-list">
          {this.state.books.map((book, index) => (
            <BookCard
              key={index}
              title={book.title}
              author={book.author}
              availability={book.availability}
            />
          ))}
        </div>

        { /* Add the Design credit at the bottom center of the page */ }
        <div className="design-credit">
          <p>@Design By Het Dabhi</p>
        </div>
      </div>
    );
  }
}
```

```

}
}

export default Library;

```

### 3. Styling for BookCard and Library Components:

```

/* /src/styles/Library.css */

/* Styling for the library container */
.library {
  width: 80%;
  margin: 20px auto;
  padding: 20px;
  background-color: #f7f7f7;
  border-radius: 8px;
  box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
  text-align: center;
}

/* Styling for the book list container */
.book-list {
  display: flex;
  flex-wrap: wrap;
  justify-content: space-around;
}

/* Styling for each book card */
.book-card {
  background-color: #fff;
  padding: 20px;
  border-radius: 8px;
  margin: 10px;
  box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
  width: 250px;
  text-align: left;
}

.book-card h3 {
  font-size: 1.5em;
  margin-bottom: 10px;
}

.book-card p {

```

```
font-size: 1.2em;
}

.book-card p strong {
  font-weight: bold;
}

.book-card p {
  margin: 5px 0;
}

/* Styling for the design credit text at the bottom */
.design-credit {
  margin-top: 40px;
  font-size: 1.2em;
  color: #777;
  font-style: italic;
}
```

---

#### 4. Usage in App.js:

```
// /src/App.js

import React from 'react';
import Library from './components/Library';

function App() {
  return (
    <div className="App">
      <Library />
    </div>
  );
}

export default App;
```

**Output:**