TASK-21

21. *Use Default Props:*

− *Set default props for `BookCard` to handle cases where a book title or author is missing.*

Step 1: /src/components/BookCard.jsx:

```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>
  );
};

// Set default props for BookCard
BookCard.defaultProps = {
  title: 'Unknown Title',  // Default value for title if not provided
  author: 'Unknown Author', // Default value for author if not provided
  availability: false,     // Default value for availability if not provided
};

export default BookCard;
```

Step 2: /src/components/Library.jsx:

```jsx
import React from 'react';
import BookCard from './BookCard'; // Import the BookCard component
import '../styles/Library.css'; // Import the CSS file for styling

// Stateless functional component to render the list of books
const Library = ({ books }) => {
  return (
    <div className="library">
      <h2>Library Management System</h2>
```

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

    {/* Design credit */}
    <div className="design-credit">
     <p>@Design By Het Dabhi</p>
    </div>
   </div>
 );
};

export default Library;
```

Step 3: /src/styles/Library.css:

```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 */
```

```css
.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;
    transition: transform 0.3s, box-shadow 0.3s;
}

.book-card:hover {
    transform: translateY(-5px); /* Lift the card slightly */
    box-shadow: 0 8px 16px rgba(0, 0, 0, 0.2); /* Enhanced shadow on hover */
}

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

.book-card p {
    font-size: 1.2em;
    margin: 5px 0;
    text-align: left;
}

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

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

/* Responsive design for smaller screens */
@media (max-width: 768px) {
    .book-list {
        justify-content: center;
    }

    .book-card {
        width: 100%;
```

```
    margin: 10px 0;
  }
}
```

Step 4: /src/App.js:

```jsx
import React from 'react';
import Library from './components/Library'; // Import the Library component

function App() {
 // Array of books to pass as props to Library component
 const books = [
  { title: 'Ramayan', author: 'Valmiki', availability: true },
  { title: '', author: 'Vyasa', availability: false }, // Missing title
  { title: 'Krishna Leela', author: ''Various, availability: true }, // Missing author
  { title: 'Bhagavad Gita', author: 'Vyasa', availability: true },
  { title: 'Upanishads', author: 'Various', availability: false },
  { title: 'Panchatantra', author: 'Vishnu Sharma', availability: true },
 ];

 return (
  <div className="App">
   {/* Pass books array as props to Library */}
   <Library books={books} />
  </div>
 );
}

export default App;
```

Output: