

```
// =====
// =====
////

function Book(title, author, isbn) {
  this.title = title;
  this.author = author;
  this.isbn = isbn;
}

// UI Constructor
function UI() {}

// Add Book To List
UI.prototype.addBookToList = function(book){
  const list = document.getElementById('book-list');
  // Create tr element
  const row = document.createElement('tr');
  // Insert cols
  row.innerHTML = `
    <td>${book.title}</td>
    <td>${book.author}</td>
    <td>${book.isbn}</td>
    <td><a href="#" class="delete">X</a></td>
  `;
  list.appendChild(row);
}

// Show Alert
UI.prototype.showAlert = function(message, className) {
  // Create div
  const div = document.createElement('div');
  // Add classes
  div.className = `alert ${className}`;
  // Add text
  div.appendChild(document.createTextNode(message));
  // Get parent
  const container = document.querySelector('.container');
  // Get form
  const form = document.querySelector('#book-form');
  // Insert alert
  container.insertBefore(div, form);

  // Timeout after 3 sec
  setTimeout(function(){
    document.querySelector('.alert').remove();
  }, 3000);
}
```

```
}

// Delete Book
UI.prototype.deleteBook = function(target){
  if(target.className === 'delete') {
    target.parentElement.parentElement.remove();
  }
}

// Clear Fields
UI.prototype.clearFields = function() {
  document.getElementById('title').value = '';
  document.getElementById('author').value = '';
  document.getElementById('isbn').value = '';
}

// Event Listener for add book
document.getElementById('book-form').addEventListener('submit', function(e){
  // Get form values
  const title = document.getElementById('title').value,
        author = document.getElementById('author').value,
        isbn = document.getElementById('isbn').value

  // Instantiate book
  const book = new Book(title, author, isbn);

  // Instantiate UI
  const ui = new UI();

  // Validate
  if(title === "" || author === "" || isbn === "") {
    // Error alert
    ui.showAlert('Please fill in all fields', 'error');
  } else {
    // Add book to list
    ui.addBookToList(book);

    // Show success
    ui.showAlert('Book Added!', 'success');

    // Clear Fields
    ui.clearFields();
  }

  e.preventDefault();
});

// Event Listener for delete
document.getElementById('book-list').addEventListener('click', function(e){
```

```
// Instantiate UI
const ui = new UI();

// Delete book
ui.deleteBook(e.target);

// Show message
ui.showAlert('Book Removed!', 'success');

e.preventDefault();
});

// =====

.success, .error {
  color: white;
  padding: 5px;
  margin: 5px 0 15px 0;
}

.success {
  background: green;
}

.error {
  background: red;
}
</style>
<title>Book List</title>
</head>
<body>
<div class="container">
<h1>Add Book</h1>
<form id="book-form">
<div>
  <label for="title">Title</label>
  <input type="text" id="title" class="u-full-width">
</div>
<div>
  <label for="author">Author</label>
  <input type="text" id="author" class="u-full-width">
</div>
<div>
  <label for="isbn">ISBN#</label>
  <input type="text" id="isbn" class="u-full-width">
</div>
<div>
  <input type="submit" value="Submit" class="u-full-width">

```

```

</div>
</form>



| Title | Author | ISBN |  |
|-------|--------|------|--|
|-------|--------|------|--|


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=====

class Book {
  constructor(title, author, isbn) {
    this.title = title;
    this.author = author;
    this.isbn = isbn;
  }
}

class UI {
  addBookToList(book) {
    const list = document.getElementById('book-list');
    // Create tr element
    const row = document.createElement('tr');
    // Insert cols
    row.innerHTML = `
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      <td>${book.isbn}</td>
      <td><a href="#" class="delete">X<a></td>
    `;
    list.appendChild(row);
  }

  showAlert(message, className) {
    // Create div
    const div = document.createElement('div');
    // Add classes
  }
}

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```
div.className = `alert ${className}`;
// Add text
div.appendChild(document.createTextNode(message));
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// Insert alert
container.insertBefore(div, form);

// Timeout after 3 sec
setTimeout(function(){
  document.querySelector('.alert').remove();
}, 3000);
}

deleteBook(target) {
if(target.className === 'delete') {
  target.parentElement.parentElement.remove();
}
}

clearFields() {
  document.getElementById("title").value = "";
  document.getElementById('author').value = "";
  document.getElementById('isbn').value = "";
}

// Event Listener for add book
document.getElementById('book-form').addEventListener('submit', function(e){
// Get form values
const title = document.getElementById('title').value,
  author = document.getElementById('author').value,
  isbn = document.getElementById('isbn').value

// Instantiate book
const book = new Book(title, author, isbn);

// Instantiate UI
const ui = new UI();

console.log(ui);

// Validate
if(title === "" || author === "" || isbn === "") {
  // Error alert
  ui.showAlert('Please fill in all fields', 'error');
} else {
```

```
// Add book to list
ui.addBookToList(book);

// Show success
ui.showAlert('Book Added!', 'success');

// Clear fields
ui.clearFields();
}

e.preventDefault();
});

// Event Listener for delete
document.getElementById('book-list').addEventListener('click', function(e){

// Instantiate UI
const ui = new UI();

// Delete book
ui.deleteBook(e.target);

// Show message
ui.showAlert('Book Removed!', 'success');

e.preventDefault();
});
```

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