## **USER INTERFACE DESIGN**

EXP.NO:10

REG.NO:230701235 DATE:30.04.2025

AIM: The aim is to create data visualizations, such as pie charts and bar graphs, for an inventory management system using JavaScript.

#### exp10.html

#### script.js

```
JS script.js > [@] barChart
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      const inventoryData = {
          labels: ['Electronics', 'Clothing', 'Home Appliances', 'Books', 'Toys'],
          datasets: [
          label: 'Items in Stock',
          data: [200, 150, 100, 80, 50],
          backgroundColor: [
          '#4BC0C0',
         const ctxPie = document.getElementById('pieChart').getContext('2d');
         const pieChart = new Chart(ctxPie, {
          type: 'pie',
data: inventoryData,
          options: {
          responsive: true,
          plugins: {
          display: true,
          text: 'Inventory Distribution'
```

```
// Creating the Bar Chart
const ctxBar = document.getElementById('barChart').getContext('2d');
const barChart = new Chart[ctxBar, {
    type: 'bar',
    data: inventoryData,
    options: {
    responsive: true,
    plugins: {
    title: {
        display: true,
        text: 'Items in stock by Category'
    }
    scales: {
        y: {
        beginAtZero: true
    }
}

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    }

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    ]
```

#### **OUTPUT:**

# **Inventory Management System**



### **RESULT:**

Successfully created data visualizations (Pie and Bar charts) using Chart.js to represent the stock levels in different inventory categories for an inventory management system.