

UID EXPERIMENT-11

i. html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-
width, initial-scale=1.0">
  <title>Inventory Management
Visualization</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      text-align: center;
      margin: 50px;
    }
    canvas {
      margin: 20px auto;
    }
  </style>
</head>
<body>

  <h1>Inventory Management System</h1>

  <canvas id="pieChart" width="400"
height="400"></canvas>
```

```
<canvas id="barChart" width="400"
height="400"></canvas>
```

```
<!-- Chart.js Library -->
<script
src="https://cdn.jsdelivr.net/npm/chart.js"></script
>
```

```
<!-- Your Custom JavaScript -->
<script src="script.js"></script>
```

```
</body>
</html>
```

ii. Script.js

```
// script.js

// Data for the inventory
const inventoryData = {
  labels: ['Electronics', 'Clothing', 'Home
Appliances', 'Books', 'Toys'],
  datasets: [
    {
      label: 'Items in Stock',
      data: [200, 150, 100, 80, 50],
      backgroundColor: [
        '#FF6384',
        '#36A2EB',
        '#FFCE56',
        '#4BC0C0',
```

```
        '#9966FF'
    ],
  }
]
};
```

```
// --- Create the Pie Chart ---
const ctxPie =
document.getElementById('pieChart').getContext('
2d');
const pieChart = new Chart(ctxPie, {
  type: 'pie',
  data: inventoryData,
  options: {
    responsive: true,
    plugins: {
      title: {
        display: true,
        text: 'Inventory Distribution'
      }
    }
  }
});
```

```
// --- Create 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: { // Note: in Chart.js v3+ it's 'y' instead of
'yAxes'
      beginAtZero: true
    }
  }
}
});
```

Inventory Management System

