Inventory Management Dashboard

Stock Levels (Bar Chart)

Legend: ■ Stock Quantity

Y-axis: 0, 20, 40, 60, 80, 100, 120, 140, 160, 180, 200

X-axis: Apples, Bananas, Carrots, Detergent, Eggs

Category Distribution (Pie Chart)

Legend: ■ Fruits ■ Vegetables ■ Household ■ Dairy

Code:

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <title>Inventory Management Visualization</title>
  <script src="https://cdn.jsdelivr.net/npm/chart.js"></script>
  <style>
    body {
      font-family: 'Poppins', sans-serif;
      margin: 2rem;
      background: #f9f9f9;
    }
    h2 {
      text-align: center;
    }
    .chart-container {
      width: 80%;
      margin: auto;
      margin-top: 2rem;
      background: white;
      padding: 1rem;
      border-radius: 12px;
      box-shadow: 0 4px 10px rgba(0,0,0,0.1);
    }
    canvas {
      margin-top: 1rem;
    }
  </style>
</head>
```

```html
<body>

<h2>Inventory Management Dashboard</h2>

<div class="chart-container">
  <h3>Stock Levels (Bar Chart)</h3>
  <canvas id="barChart"></canvas>
</div>

<div class="chart-container">
  <h3>Category Distribution (Pie Chart)</h3>
  <canvas id="pieChart"></canvas>
</div>

<script>
  // Data for inventory items
  const items = ['Apples', 'Bananas', 'Carrots', 'Detergent', 'Eggs'];
  const stockLevels = [150, 100, 80, 40, 200];

  // Data for categories
  const categories = ['Fruits', 'Vegetables', 'Household', 'Dairy'];
  const categoryDistribution = [40, 20, 25, 15];

  // Bar Chart - Stock Levels
  const ctxBar = document.getElementById('barChart').getContext('2d');
  const barChart = new Chart(ctxBar, {
    type: 'bar',
    data: {
      labels: items,
      datasets: [{
        label: 'Stock Quantity',
        data: stockLevels,
```

```
        backgroundColor: [

          '#4caf50', '#2196f3', '#ff9800', '#9c27b0', '#f44336'

        ],

        borderRadius: 8

      }]

    },

    options: {

      responsive: true,

      scales: {

        y: {

          beginAtZero: true

        }

      }

    }

});


// Pie Chart - Category Distribution

const ctxPie = document.getElementById('pieChart').getContext('2d');

const pieChart = new Chart(ctxPie, {

  type: 'pie',

  data: {

    labels: categories,

    datasets: [{

      label: 'Category',

      data: categoryDistribution,

      backgroundColor: [

        '#ff6384', '#36a2eb', '#ffcd56', '#4bc0c0'

      ],

      hoverOffset: 8

    }]

  },

  options: {
```

```
      responsive: true,
    }
  });
</script>


</body>

</html>
```