

Govt. ITI. Kadma



(CH. DADRI)

Session :- 2024-25

Project File :- Data Visualization Dashboard

Submitted To :-

Mr. Vinod Kumar
Computer
Instructor

Submitted By :-

Manjeet , Dhurav,
Naveen, Lokesh,
Arvind

DECLARATION

We (Manjeet , Dhurav, Naveen , Lokesh , Arvind) are student of COPA Trade at Government ITI Kadma, hereby declare that the project titled “Data Visualization Dashboard in html” is my original work and has been prepared as part of the curriculum requirements for the COPA Trade course. This project is submitted for educational purposes only.

I confirm that all the information, data, and content used in this project have been duly referenced and credited to their respective sources. No part of this project has been copied or reproduced from any other source without proper acknowledgment.

This project has been completed under the guidance of Sh. Vinod Kumar, and I am solely responsible for any errors or omissions in this work.

I also declare that this project has not been submitted elsewhere for any other purpose.

Student Name :- Manjeet , Dhurav, Naveen , Lokesh , Arvind

COPA Trade (Scvt) , Government ITI Kadma

Signature :- Manjeet , Dhurav, Naveen , Lokesh , Arvind

Date: _____

Supervisor/Instructor Declaration

This project has been reviewed and approved as part of the academic requirements for the COPA Trade course at Government ITI Kadma.

Instructor Name: SH .Vinod Kumar

Signature: _____

Date: _____

Acknowledgement

We would like to express our sincere gratitude to all those who have contributed to the successful completion of this project report for the COPA (Computer Operator and Programming Assistant) trade at Government ITI, Kadma. This project would not have been possible without the guidance, support, and encouragement of numerous individuals and organizations.

First and foremost, we extend our heartfelt thanks to the Government ITI, Kadma, for providing us with the opportunity to undertake this project and for offering the necessary resources and infrastructure. We are deeply indebted to our esteemed Principal and Instructors for their constant guidance, valuable insights, and encouragement throughout the project.

We would also like to thank our Project Guide for their unwavering support, patience, and expert advice, which helped us navigate through the challenges and complexities of this project. Their constructive feedback and suggestions were instrumental in shaping the final outcome.

Our sincere appreciation goes to our classmates and peers for their cooperation, motivation, and shared knowledge, which made this journey enjoyable and enriching. Special thanks to the non-teaching staff of the institute for their assistance and support in various aspects of the project.

Lastly, we are grateful to our family and friends for their constant encouragement and belief in our abilities, which kept us motivated throughout the project.

This project has been a significant learning experience, and we are thankful to everyone who played a role, directly or indirectly, in its successful completion.

Thank You.

Manjeet , Dhurav, Naveen , Lokesh , Arvind

Group No. :- 1

Government ITI, Kadma

Date :-

Coding

```
<html lang="en">

<head>

  <meta charset="utf-8"/>

  <meta content="width=device-width, initial-scale=1"
name="viewport"/>

  <title>

    Data Visualization Dashboard

  </title>

  <script src="https://cdn.tailwindcss.com">

  </script>

  <link href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/5.15.3/css/all.min.css" rel="stylesheet"/>

  <link
href="https://fonts.googleapis.com/css2?family=Inter:wght
@400;600&display=swap" rel="stylesheet"/>

  <script src="https://cdn.jsdelivr.net/npm/chart.js">

  </script>

  <style>

    body {

      font-family: 'Inter', sans-serif;

    }

  </style>

</head>

<body>
```

</style>

</head>

<body class="bg-gray-50 min-h-screen flex flex-col">

<header class="bg-white shadow p-4 flex items-center justify-between">

<div class="flex items-center space-x-3">

<h1 class="text-2xl font-semibold text-gray-800">

DataViz Dashboard

</h1>

</div>

<nav class="hidden md:flex space-x-6 text-gray-600 font-medium">

Overview

Reports

Analytics

Settings

</nav>

<button aria-label="Open menu" class="md:hidden text-gray-600 focus:outline-none focus:ring-2 focus:ring-blue-600" id="menu-btn">

<i class="fas fa-bars fa-lg">

</i>

</button>

</header>

<aside class="fixed inset-y-0 left-0 w-64 bg-white shadow-lg transform -translate-x-full transition-transform duration-300 ease-in-out md:hidden z-50" id="mobile-menu">

<div class="p-4 flex items-center justify-between border-b border-gray-200">

<h2 class="text-xl font-semibold text-gray-800">

Menu

</h2>

```
<button aria-label="Close menu" class="text-gray-600
focus:outline-none focus:ring-2 focus:ring-blue-600"
id="menu-close-btn">
```

```
<i class="fas fa-times fa-lg">
```

```
</i>
```

```
</button>
```

```
</div>
```

```
<nav class="flex flex-col p-4 space-y-4 text-gray-700 font-
medium">
```

```
<a class="hover:text-blue-600 transition" href="#">
```

Overview

```
</a>
```

```
<a class="hover:text-blue-600 transition" href="#">
```

Reports

```
</a>
```

```
<a class="hover:text-blue-600 transition" href="#">
```

Analytics

```
</a>
```

```
<a class="hover:text-blue-600 transition" href="#">
```

Settings

```
</a>
```

```
</nav>
```

</aside>

<main class="flex-grow p-6 max-w-7xl mx-auto">

<section class="mb-8">

<h2 class="text-3xl font-semibold text-gray-800 mb-4">

Dashboard Overview

</h2>

<div class="grid grid-cols-1 sm:grid-cols-2 md:grid-cols-4
gap-6">

<div class="bg-white rounded-lg shadow p-5 flex items-
center space-x-4">

<div class="p-3 bg-blue-100 text-blue-600 rounded-full">

<i class="fas fa-users fa-2x">

</i>

</div>

<div>

<p class="text-gray-500 font-medium">

Users

</p>

<p class="text-2xl font-bold text-gray-800">

12,345

</p>

</div>

</div>

<div class="bg-white rounded-lg shadow p-5 flex items-center space-x-4">

<div class="p-3 bg-green-100 text-green-600 rounded-full">

<i class="fas fa-dollar-sign fa-2x">

</i>

</div>

<div>

<p class="text-gray-500 font-medium">

Revenue

</p>

<p class="text-2xl font-bold text-gray-800">

\$98,765

</p>

</div>

</div>

<div class="bg-white rounded-lg shadow p-5 flex items-center space-x-4">

<div class="p-3 bg-yellow-100 text-yellow-600 rounded-full">

<i class="fas fa-chart-line fa-2x">

</i>

</div>

<div>

<p class="text-gray-500 font-medium">

Growth

</p>

<p class="text-2xl font-bold text-gray-800">

24.7%

</p>

</div>

</div>

<div class="bg-white rounded-lg shadow p-5 flex items-center space-x-4">

<div class="p-3 bg-red-100 text-red-600 rounded-full">

<i class="fas fa-exclamation-triangle fa-2x">

</i>

</div>

<div>

<p class="text-gray-500 font-medium">

Alerts

</p>

<p class="text-2xl font-bold text-gray-800">

3

</p>

</div>

</div>

</div>

</section>

<section class="grid grid-cols-1 lg:grid-cols-3 gap-6 mb-8">

<div class="bg-white rounded-lg shadow p-6">

<h3 class="text-xl font-semibold text-gray-800 mb-4">

Sales Over Time

</h3>

<canvas aria-label="Line chart showing sales over time"
id="lineChart" role="img">

</canvas>

</div>

<div class="bg-white rounded-lg shadow p-6">

<h3 class="text-xl font-semibold text-gray-800 mb-4">

Revenue by Product

</h3>

```
<canvas aria-label="Bar chart showing revenue by product category" id="barChart" role="img">
```

```
</canvas>
```

```
</div>
```

```
<div class="bg-white rounded-lg shadow p-6">
```

```
<h3 class="text-xl font-semibold text-gray-800 mb-4">
```

User Demographics

```
</h3>
```

```
<canvas aria-label="Doughnut chart showing user demographics by age group" id="doughnutChart" role="img">
```

```
</canvas>
```

```
</div>
```

```
</section>
```

```
<section class="bg-white rounded-lg shadow p-6">
```

```
<h3 class="text-xl font-semibold text-gray-800 mb-4">
```

Recent Activity

```
</h3>
```

```
<div class="overflow-x-auto">
```

```
<table class="min-w-full divide-y divide-gray-200">
```

```
<thead class="bg-gray-50">
```

```
<tr>
```

```
<th class="px-6 py-3 text-left text-xs font-medium text-gray-500 uppercase tracking-wider" scope="col">
```

Date

```
</th>
```

```
<th class="px-6 py-3 text-left text-xs font-medium text-gray-500 uppercase tracking-wider" scope="col">
```

User

```
</th>
```

```
<th class="px-6 py-3 text-left text-xs font-medium text-gray-500 uppercase tracking-wider" scope="col">
```

Action

```
</th>
```

```
<th class="px-6 py-3 text-left text-xs font-medium text-gray-500 uppercase tracking-wider" scope="col">
```

Status

```
</th>
```

```
</tr>
```

```
</thead>
```

```
<tbody class="bg-white divide-y divide-gray-200">
```

```
<tr>
```

```
<td class="px-6 py-4 whitespace-nowrap text-sm text-gray-700">
```

2024-06-01

</td>

<td class="px-6 py-4 whitespace-nowrap text-sm text-gray-700">

Alice Johnson

</td>

<td class="px-6 py-4 whitespace-nowrap text-sm text-gray-700">

Logged in

</td>

<td class="px-6 py-4 whitespace-nowrap">

Success

</td>

</tr>

<tr>

<td class="px-6 py-4 whitespace-nowrap text-sm text-gray-700">

2024-06-01

</td>

<td class="px-6 py-4 whitespace-nowrap text-sm text-gray-700">

Mark Smith

</td>

<td class="px-6 py-4 whitespace-nowrap text-sm text-gray-700">

Uploaded report

</td>

<td class="px-6 py-4 whitespace-nowrap">

Success

</td>

</tr>

<tr>

<td class="px-6 py-4 whitespace-nowrap text-sm text-gray-700">

2024-05-31

</td>

<td class="px-6 py-4 whitespace-nowrap text-sm text-gray-700">

Samantha Lee

</td>

<td class="px-6 py-4 whitespace-nowrap text-sm text-gray-700">

Failed login attempt

</td>

<td class="px-6 py-4 whitespace-nowrap">

Failed

</td>

</tr>

<tr>

<td class="px-6 py-4 whitespace-nowrap text-sm text-gray-700">

2024-05-30

</td>

<td class="px-6 py-4 whitespace-nowrap text-sm text-gray-700">

David Kim

</td>

<td class="px-6 py-4 whitespace-nowrap text-sm text-gray-700">

Updated settings

</td>

<td class="px-6 py-4 whitespace-nowrap">

Success

</td>

</tr>

<tr>

<td class="px-6 py-4 whitespace-nowrap text-sm text-gray-700">

2024-05-29

</td>

<td class="px-6 py-4 whitespace-nowrap text-sm text-gray-700">

Emily Davis

</td>

<td class="px-6 py-4 whitespace-nowrap text-sm text-gray-700">

Deleted report

</td>

<td class="px-6 py-4 whitespace-nowrap">

Warning

</td>

</tr>

<tr>

<td class="px-6 py-4 whitespace-nowrap text-sm text-gray-700">

2024-05-28

</td>

<td class="px-6 py-4 whitespace-nowrap text-sm text-gray-700">

Michael Brown

</td>

<td class="px-6 py-4 whitespace-nowrap text-sm text-gray-700">

Logged out

</td>

<td class="px-6 py-4 whitespace-nowrap">

Success

</td>

</tr>

<tr>

<td class="px-6 py-4 whitespace-nowrap text-sm text-gray-700">

2024-05-27

</td>

<td class="px-6 py-4 whitespace-nowrap text-sm text-gray-700">

Olivia Wilson

</td>

<td class="px-6 py-4 whitespace-nowrap text-sm text-gray-700">

Password changed

</td>

<td class="px-6 py-4 whitespace-nowrap">

Success

</td>

</tr>

<tr>

<td class="px-6 py-4 whitespace-nowrap text-sm text-gray-700">

2024-05-26

</td>

<td class="px-6 py-4 whitespace-nowrap text-sm text-gray-700">

James Anderson

</td>

<td class="px-6 py-4 whitespace-nowrap text-sm text-gray-700">

Failed report upload

</td>

<td class="px-6 py-4 whitespace-nowrap">

Failed

</td>

</tr>

<tr>

<td class="px-6 py-4 whitespace-nowrap text-sm text-gray-700">

2024-05-25

</td>

<td class="px-6 py-4 whitespace-nowrap text-sm text-gray-700">

Sophia Martinez

</td>

<td class="px-6 py-4 whitespace-nowrap text-sm text-gray-700">

Created new user

</td>

<td class="px-6 py-4 whitespace-nowrap">

Success

</td>

</tr>

<tr>

<td class="px-6 py-4 whitespace-nowrap text-sm text-gray-700">

2024-05-24

</td>

<td class="px-6 py-4 whitespace-nowrap text-sm text-gray-700">

William Garcia

</td>

<td class="px-6 py-4 whitespace-nowrap text-sm text-gray-700">

Exported data

</td>

<td class="px-6 py-4 whitespace-nowrap">

Success

</td>

</tr>

<tr>

<td class="px-6 py-4 whitespace-nowrap text-sm text-gray-700">

2024-05-23

</td>

<td class="px-6 py-4 whitespace-nowrap text-sm text-gray-700">

Isabella Rodriguez

</td>

<td class="px-6 py-4 whitespace-nowrap text-sm text-gray-700">

Failed password reset

</td>

<td class="px-6 py-4 whitespace-nowrap">

Failed

</td>

</tr>

<tr>

<td class="px-6 py-4 whitespace-nowrap text-sm text-gray-700">

2024-05-22

</td>

<td class="px-6 py-4 whitespace-nowrap text-sm text-gray-700">

Mason Hernandez

</td>

<td class="px-6 py-4 whitespace-nowrap text-sm text-gray-700">

Logged in

</td>

<td class="px-6 py-4 whitespace-nowrap">

Success

</td>

</tr>

<tr>

<td class="px-6 py-4 whitespace-nowrap text-sm text-gray-700">

2024-05-21

</td>

<td class="px-6 py-4 whitespace-nowrap text-sm text-gray-700">

Mia Lopez

</td>

<td class="px-6 py-4 whitespace-nowrap text-sm text-gray-700">

Updated profile

</td>

<td class="px-6 py-4 whitespace-nowrap">

Success

</td>

</tr>

</tbody>

</table>

</div>

</section>

</main>

```
<footer class="bg-white border-t border-gray-200 p-4 text-center text-gray-500 text-sm">
```

```
  © 2024 DataViz Dashboard. All rights reserved.
```

```
</footer>
```

```
<script>
```

```
  // Mobile menu toggle
```

```
    const menuBtn = document.getElementById('menu-btn');
```

```
    const menuCloseBtn = document.getElementById('menu-close-btn');
```

```
    const mobileMenu = document.getElementById('mobile-menu');
```

```
    menuBtn.addEventListener('click', () => {
```

```
      mobileMenu.classList.remove('-translate-x-full');
```

```
    });
```

```
    menuCloseBtn.addEventListener('click', () => {
```

```
      mobileMenu.classList.add('-translate-x-full');
```

```
    });
```

```
  // Line Chart - Sales Over Time
```

```
const lineCtx =
document.getElementById('lineChart').getContext('2d');

const lineChart = new Chart(lineCtx, {
  type: 'line',
  data: {
    labels: [
      'Jan', 'Feb', 'Mar', 'Apr', 'May', 'Jun', 'Jul', 'Aug', 'Sep', 'Oct',
'Nov', 'Dec'
    ],
    datasets: [
      {
        label: 'Sales',
        data: [1200, 1900, 3000, 2500, 3200, 4000, 4200, 4500,
4800, 5000, 5200, 6000],
        borderColor: '#3b82f6',
        backgroundColor: 'rgba(59, 130, 246, 0.2)',
        fill: true,
        tension: 0.3,
        pointRadius: 4,
        pointHoverRadius: 6,
      },
    ],
  },
});
```

```
},
options: {
  responsive: true,
  plugins: {
    legend: { display: true, position: 'top' },
    tooltip: { mode: 'index', intersect: false },
  },
  interaction: {
    mode: 'nearest',
    intersect: false,
  },
  scales: {
    x: {
      display: true,
      title: { display: true, text: 'Month' },
    },
    y: {
      display: true,
      title: { display: true, text: 'Sales ($)' },
      beginAtZero: true,
    },
  },
}
```

```
},  
},  
});
```

```
// Bar Chart - Revenue by Product  
  
const barCtx =  
document.getElementById('barChart').getContext('2d');  
  
const barChart = new Chart(barCtx, {  
  type: 'bar',  
  data: {  
    labels: ['Product A', 'Product B', 'Product C', 'Product D',  
'Product E'],  
    datasets: [  
      {  
        label: 'Revenue ($)',  
        data: [5000, 7000, 4000, 6000, 3000],  
        backgroundColor: [  
          '#2563eb',  
          '#16a34a',  
          '#ca8a04',  
          '#dc2626',
```

```
    '#7c3aed',  
  ],  
  borderRadius: 5,  
},  
],  
},  
options: {  
  responsive: true,  
  plugins: {  
    legend: { display: false },  
    tooltip: { enabled: true },  
  },  
  scales: {  
    x: {  
      display: true,  
      title: { display: true, text: 'Product' },  
    },  
    y: {  
      display: true,  
      title: { display: true, text: 'Revenue ($)' },  
      beginAtZero: true,  
    },  
  },  
}
```

```
    },  
    },  
  },  
});
```

```
// Doughnut Chart - User Demographics
```

```
const doughnutCtx =  
document.getElementById('doughnutChart').getContext('2d'  
);
```

```
const doughnutChart = new Chart(doughnutCtx, {  
  type: 'doughnut',  
  data: {  
    labels: ['18-24', '25-34', '35-44', '45-54', '55+'],  
    datasets: [  
      {  
        label: 'Users',  
        data: [3000, 5000, 2500, 1500, 1000],  
        backgroundColor: [  
          '#3b82f6',  
          '#10b981',  
          '#fbbf24',
```

```
        '#ef4444',
        '#8b5cf6',
    ],
    hoverOffset: 30,
},
],
},
options: {
    responsive: true,
    plugins: {
        legend: { position: 'bottom' },
        tooltip: { enabled: true },
    },
},
});
</script>
</body>
</html>
```

Output



Dashboard Overview



Users
12,345



Revenue
\$98,765



Growth
24.7%

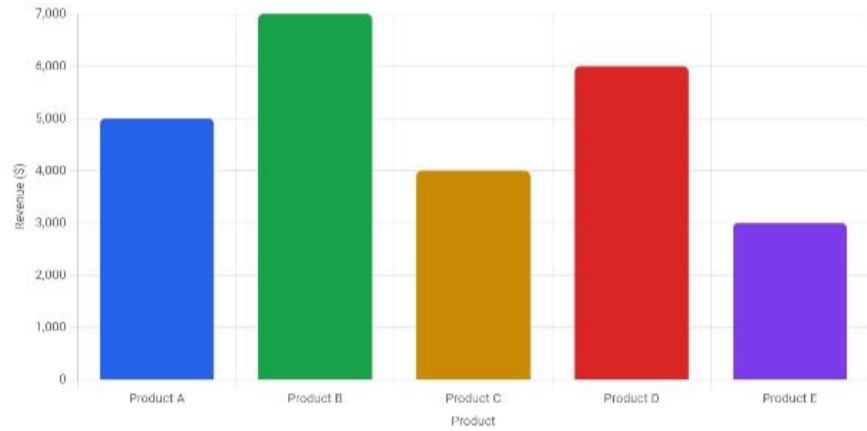


Alerts
3

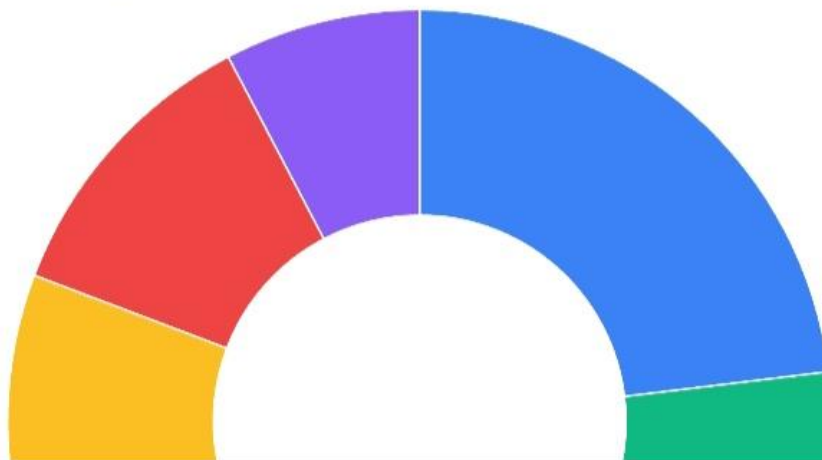
Sales Over Time



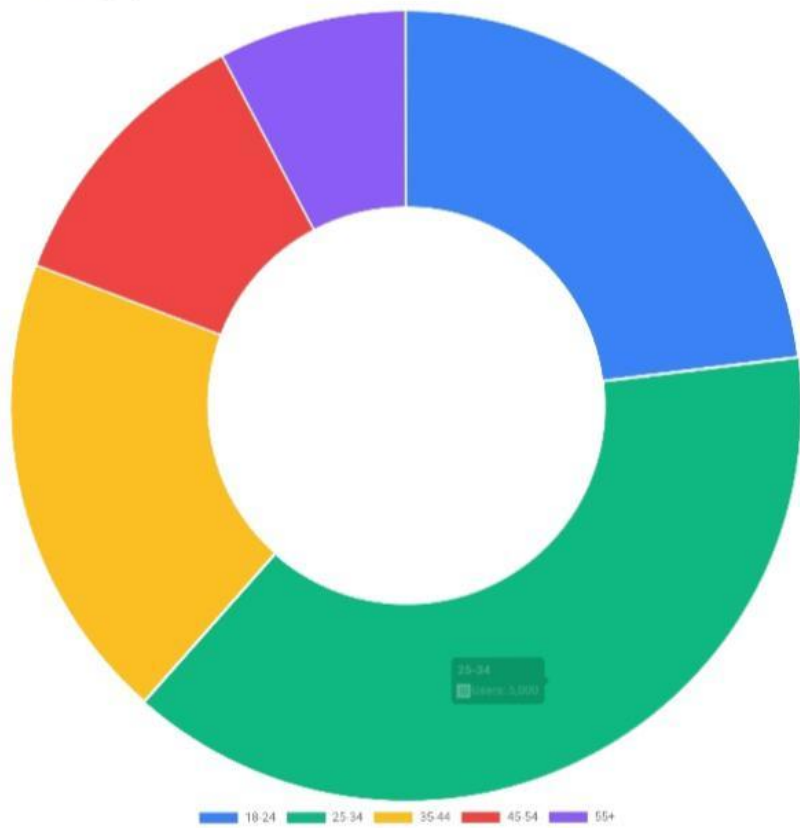
Revenue by Product



User Demographics



User Demographics



Recent Activity

DATE	USER	ACTION	STATUS
2024-06-01	Alice Johnson	Logged in	Success
2024-06-01	Mark Smith	Uploaded report	Success
2024-05-31	Samantha Lee	Failed login attempt	Failed
2024-05-30	David Kim	Updated settings	Success
2024-05-29	Emily Davis	Deleted report	Warning
2024-05-28	Michael Brown	Logged out	Success
2024-05-27	Olivia Wilson	Password changed	Success
2024-05-26	James Anderson	Failed report upload	Failed
2024-05-25	Sophia Martinez	Created new user	Success
2024-05-24	William Garcia	Exported data	Success
2024-05-23	Isabella Rodriguez	Failed password reset	Failed
2024-05-22	Mason Hernandez	Logged in	Success
2024-05-21	Mia Lopez	Updated profile	Success

