**IOT Phase 4**

**<!DOCTYPE html>**

**<html>**

**<head>**

**<title>Real-Time Transit Information</title>**

**<link rel="stylesheet" type="text/css" href="IOT.css">**

**<style>**

**body {**

**font-family: Arial, sans-serif;**

**margin: 0;**

**padding: 0;**

**}**

**nav li{**

**list-style: none;**

**font-size: 2rem;**

**margin: 40px 20px;**

**margin-left: 900px;**

**margin-right: 100px;**

**margin-top: 200px;**

**}**

**.sidenav nav li a{**

**text-decoration: none;**

**display: inline-block;**

**background-color: #a6adad;**

**padding:8px 15px;**

**margin-left: 20px;**

**color:#fff ;**

**margin-bottom: 20px;**

**}**

**nav li a:hover{**

**color: #e4dbdb;**

**}**

**header {**

**background-color:#e1f151;**

**color: #0c0c0c;**

**text-align: center;**

**padding: 10px;**

**}**

**main {**

**display: flex;**

**justify-content: space-around;**

**padding: 20px;**

**}**

**.real-time-data {**

**text-align: center;**

**border: 1px solid #ddd;**

**padding: 20px;**

**border-radius: 5px;**

**box-shadow: 4px 2px 4px rgba(0, 0, 0, 0.2);**

**background-color: white;**

**}**

**h2 {**

**font-size: 2 rem;**

**color: rgb(243, 105, 158);**

**font-family: Cambria, Cochin, Georgia, Times, 'Times New Roman', serif;**

**}**

**p {**

**font-size: 1.8rem;**

**color: rgb(110, 62, 4);**

**font-family: Impact, Haettenschweiler, 'Arial Narrow Bold', sans-serif;**

**}**

**</style>**

**<script>**

**// Simulated real-time data (replace with actual data sources)**

**const locationData = "CMBT";**

**const ridershipData = "10:00am";**

**const arrivalTimeData ="10:45am";**

**const destinationData="Broadway";**

**// Function to update real-time data**

**function updateRealTimeData() {**

**document.getElementById("location-data").textContent = locationData;**

**document.getElementById("ridership-data").textContent = ridershipData;**

**document.getElementById("arrival-time-data").textContent = arrivalTimeData;**

**document.getElementById("destination-data").textContent=destinationData;**

**}**

**// Update data every 30 seconds (adjust as needed)**

**setInterval(updateRealTimeData, 30000);**

**// Initial data update**

**updateRealTimeData();**

**function updateClock() {**

**const now = new Date();**

**const hours = now.getHours().toString().padStart(2, '0');**

**const minutes = now.getMinutes().toString().padStart(2, '0');**

**const seconds = now.getSeconds().toString().padStart(2, '0');**

**const timeString = `${hours}:${minutes}:${seconds}`;**

**document.getElementById("clock").textContent = timeString;**

**}**

**// Update the clock every second**

**setInterval(updateClock, 1000);**

**// Initial update**

**updateClock();**

**setInterval(updateClock, 1000);**

**// Initial update**

**updateClock();**

**</script>**

**</head>**

**<body style="background: linear-gradient(rgba(0,0,0,0.5),#7dbbbb),url('https://www.aanavandi.com/blog/wp-content/uploads/2018/07/cmbt2.jpg');**

**background-size:cover; color:gray;">**

**<header>**

**<h1>Bus Transit Information</h1>**

**</header>**

**<main>**

**<div class="real-time-data">**

**<h2>Starting Location</h2>**

**<p id="location-data">Loading...</p>**

**</div>**

**<div class="real-time-data">**

**<h2>Departure Time</h2>**

**<p id="ridership-data">Loading...</p>**

**</div>**

**<div class="real-time-data">**

**<h2>Arrival Time</h2>**

**<p id="arrival-time-data">Loading...</p>**

**</div>**

**<div class="real-time-data">**

**<h2>Destination</h2>**

**<p id="location-data">Loading...</p>**

**</div>**

**</main>**

**<div id="sideNav">**

**<nav>**

**<li> <a href='https://mtcbus.tn.gov.in/Home/bustimingsearch'class="button">MTC routes</a></li>**

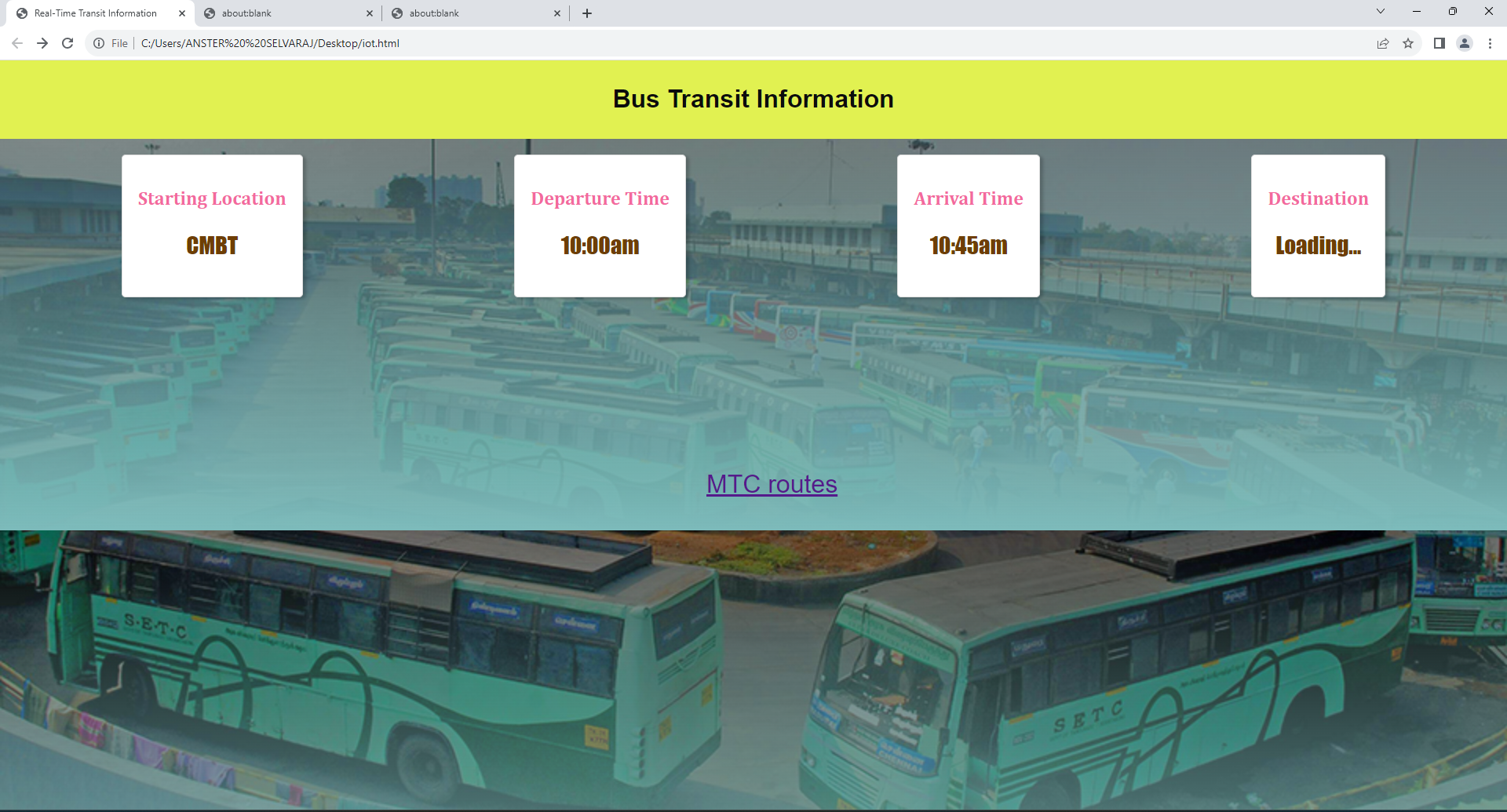
**</nav>**

**</div>**

**<script src="IOT.js"></script>**

**</body>**

**</html>**

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