

## **AIM:**

*To design and develop an Online Bus Pass Application System webpage using HTML and CSS featuring navigation links, image hotspots, and an embedded map of Tamil Nadu.*

## **ALGORITHM:**

1. Create the basic HTML structure with `<!DOCTYPE html>`, `<html>`, `<head>`, and `<body>` tags.
2. Add the page title and write internal CSS to style the header, navigation bar, panels, image, and footer.
3. Design a header section displaying the title “Online Bus Pass Application System”.
4. Create a navigation bar with hyperlinks for Home, Bus Routes, and Bus Stops that load in the iframe.
5. Use a flex container to divide the webpage into left and right panels.
6. Insert an image with defined hotspots linking to Tamil Nadu State Transport Corporation and embed a map of Tamil Nadu using Google Maps.
7. Add a footer section, save the file with `.html` extension, and open it in a browser to view the output.

## **PROGRAM:**

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
  <meta charset="UTF-8">
```

```
  <title>Online Bus Pass Application System</title>
```

*<style>*

*body {*

*margin: 0;*

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

*background-color: #f4f6f9;*

*}*

*header {*

*background: #1e88e5;*

*color: white;*

*padding: 15px;*

*text-align: center;*

*}*

*nav {*

*background: #0d47a1;*

*padding: 10px;*

*text-align: center;*

*}*

*nav a {*

*color: white;*

*text-decoration: none;*

*margin: 0 15px;*

*font-weight: bold;*

*}*

```
nav a:hover {  
    text-decoration: underline;  
}
```

```
.container {  
    display: flex;  
    padding: 20px;  
    gap: 20px;  
}
```

```
.left-panel, .right-panel {  
    background: white;  
    padding: 15px;  
    border-radius: 8px;  
    box-shadow: 0 2px 5px rgba(0,0,0,0.1);  
}
```

```
.left-panel {  
    width: 30%;  
    text-align: center;  
}
```

```
.right-panel {  
    width: 70%;  
}
```

```
iframe {  
    width: 100%;  
    height: 400px;  
    border: none;  
    border-radius: 5px;  
}
```

```
img {  
    width: 300px;  
    height: 200px;  
    border: 2px solid #333;  
}
```

```
footer {  
    text-align: center;  
    padding: 10px;  
    background: #e3e3e3;  
    margin-top: 20px;  
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<header>
```

```
<h1>Online Bus Pass Application System</h1>
```

```
</header>
```

`<nav>`

`<a href="https://www.openstreetmap.org" target="display">Home</a>`

`<a href="https://www.openstreetmap.org/search?query=bus%20route" target="display">Bus Routes</a>`

`<a href="https://www.openstreetmap.org/search?query=bus%20stop" target="display">Bus Stops</a>`

`</nav>`

`<div class="container">`

`<!-- LEFT PANEL -->`

`<div class="left-panel">`

`<h3>Bus Route Map (Hotspots)</h3>`

`<!-- IMAGE MUST BE 300x200 -->`

``

`<map name="busmap">`

`<!-- Route 1 -->`

`<area shape="rect"`

`coords="10,10,140,90"`

`href="https://www.tnstc.in/OTRSONline/"`

`target="display"`

`alt="Route 1"`

`title="Route 1">`

`<!-- Route 2 -->`

```
<area shape="circle"
      coords="220,120,35"
```

```
href="https://www.openstreetmap.org/search?query=bus%20stop"
      target="display"
      alt="Route 2"
      title="Route 2">
```

```
</map>
```

```
<p><b>Tip:</b> Click the top-left rectangle or bottom-right
circle</p>
```

```
</div>
```

```
<!-- RIGHT PANEL -->
```

```
<div class="right-panel">
```

```
<h3>Map Display</h3>
```

```
<iframe
src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d40129
24.123838464!2d78.28976490000001!3d10.821166349999999!2m3!1f0!2f0
!3f0!3m2!1i1024!2i768!4f13.1!3m3!1m2!1s0x3b00c582b1189633%3A0x559
475cc463361f0!2sTamil%20Nadu!5e0!3m2!1sen!2sin!4v1770696818433!5
m2!1sen!2sin" width="600" height="450" style="border:0;"
allowfullscreen="" loading="lazy" referrerpolicy="no-referrer-when-
downgrade"></iframe>
```

```
</div>
```

```
</div>
```

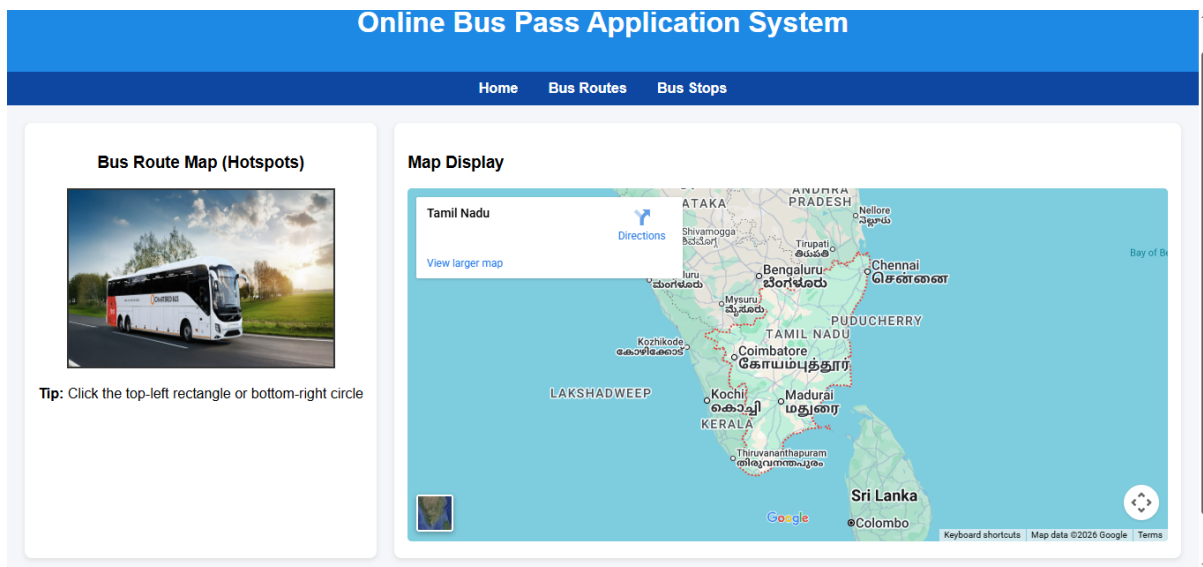
```
<footer>
```

</footer>

</body>

</html>

## OUTPUT:



## RESULT:

*The Online Bus Pass Application webpage was created successfully and executed with working navigation links, image hotspots, and embedded map display.*