

# **SOLAR SYSTEM WEBSITE**

**Project Report by: Ashish Kumar**

**SECTION: K24DM**

**ROLL NO: 11**

**Reg no: 12405002**



**Lovely Professional University**

**Course code - CSE 326**

# PROJECT REPORT

## SOLAR SYSTEM WEBSITE

### INTRODUCTION:

Welcome! This website offers a simple guide to the planets in our Solar System and a glimpse into the wider universe. From Mercury to Neptune, each planet has unique features, and here you can easily learn about them all. Plus, take a look at some fascinating facts about galaxies beyond our Solar System. Dive in and discover the wonders of space!

### Technologies Used:

**HTML:** Used for creating the structure and content of web pages.

**CSS:** Employed for styling the web pages and enhancing the visual appeal.

**JavaScript:** Implemented for adding interactivity and dynamic features

# WE ARE NOT ALONE

[Home](#)[About](#)[Contact us](#)

# WE ARE NOT ALONE

[Home](#)[About](#)[Contact us](#)

## About

Welcome to our Solar System website! We are dedicated to bringing you the most exciting and educational content about space. From planets to galaxies, our goal is to make the wonders of the universe accessible to everyone.

### Our Mission

To provide engaging and educational content about the solar system and beyond, helping curious minds explore the cosmos.

### About Me

"My name is Ashish Kumar, and I am currently pursuing my studies at Lovely Professional University."

# WE ARE NOT ALONE

[Home](#)[About](#)[Contact us](#)

## Contact Us

We'd love to hear from you! Fill out the form below and free to give  
Suggestion about improvement of my website

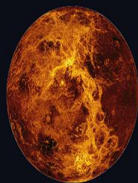
Name

Email

Suggestion

# PLANETS

"Thank you for visiting our webpage! Please select a planet to begin your exploration."



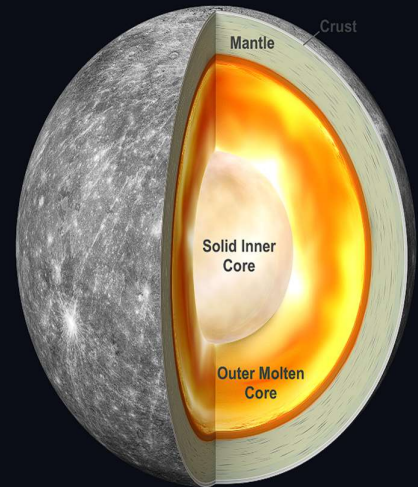
127.0.0.1:5500/mercury.html#

# MERCURY

[About](#)[Facts](#)[Mystery](#)

## INTRODUCTION

Mercury is the smallest planet in our solar system and the one closest to the Sun. With a diameter of about 4,880 kilometers, it's only slightly larger than Earth's Moon and has a very thin atmosphere, called an exosphere, composed of oxygen, sodium, hydrogen, helium, and potassium. This thin atmosphere offers little insulation, leading to extreme temperature changes: from scorching 430°C (800°F) during the day to freezing -180°C (-290°F) at night. Its rocky surface is marked by craters and cliffs, a result of ancient impacts and geological activity. Mercury completes an orbit around the Sun in just 88 Earth days, making its year the shortest of all planets. However, a day on Mercury (from one sunrise to the next) lasts 176 Earth days due to its slow rotation. Its proximity to the Sun and lack of atmosphere make it a fascinating but hostile environment.

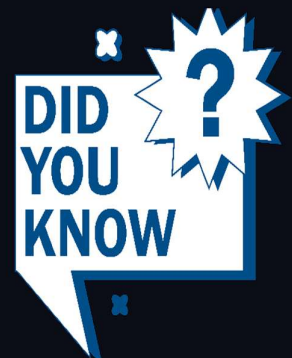


# MERCURY

[About](#)[Facts](#)[Mystery](#)

## Mercury's Hidden Wonders and Bizarre Phenomena

- **Fast Orbit:** Mercury completes a year in 88 Earth days.
- **Temperatures:** Ranges from 430°C (800°F) in the day to -180°C (-290°F) at night.
- **Long Days:** One full day (sunrise to sunrise) lasts 176 Earth days.
- **Shrinking Surface:** Mercury is slowly contracting, forming massive cliffs.
- **Thin Exosphere:** It has a faint atmosphere of oxygen, sodium, and helium.
- **Not the Hottest:** Venus is hotter due to its thick atmosphere.
- **Rare Transits:** Mercury occasionally passes between Earth and the Sun.
- **Weak Magnetic Field:** Despite its size, Mercury has a faint magnetic field.



**Home Page:** Displays a running model of our solar system using CSS animation and navigation bar for other section and two option for planet and galaxy

**Details:** Provides in-depth information about our solar system and some of the galaxy.

**Development Process :** Planning: Defined project requirements, wireframed the website layout, and created a development timeline.

**HTML Structure:** Developed the basic structure of web pages using HTML, including headers, footers, navigation menus, and content sections.

**CSS Styling:** Applied CSS styles to enhance the visual appearance of the website , to make website more attractive and by use of CSS animation I make working model of our solar system .

**JavaScript Functionality:** Implemented JavaScript code to give function to my contact form by which I can get suggestion error from user for my website or collect and save those data in a file

**Deployment:** Deployed the website to a web server, making it accessible to users over the internet.

## Challenges Faced:

**Responsive Design:** Ensuring the website's compatibility and functionality across various devices and screen sizes posed a significant challenge

# **Future Improvements:**

**User Authentication:** Implementing user authentication and user profiles to enable features such as personalized recommendations and user reviews.

**Enhanced Search Functionality:** Improving the search functionality with advanced filtering options and predictive search suggestions.

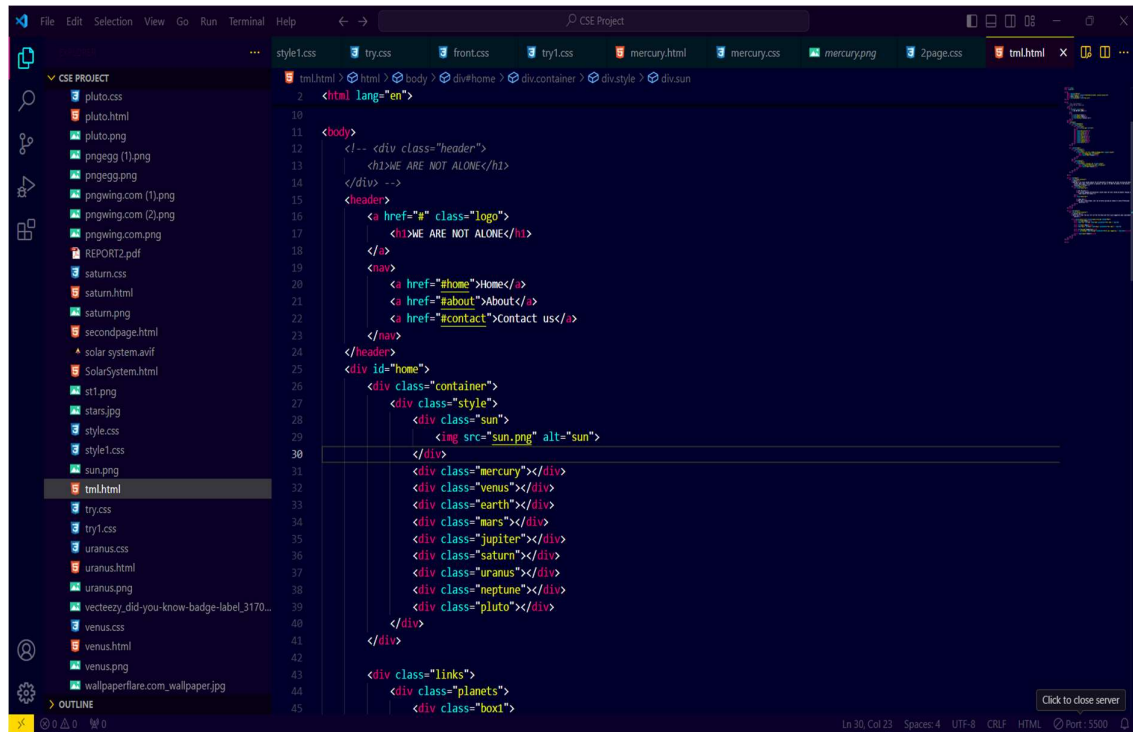
**Content Expansion:** Adding more solar system options and galaxy and add up more content for better understanding and knowledge of our universe

## **Conclusion:**

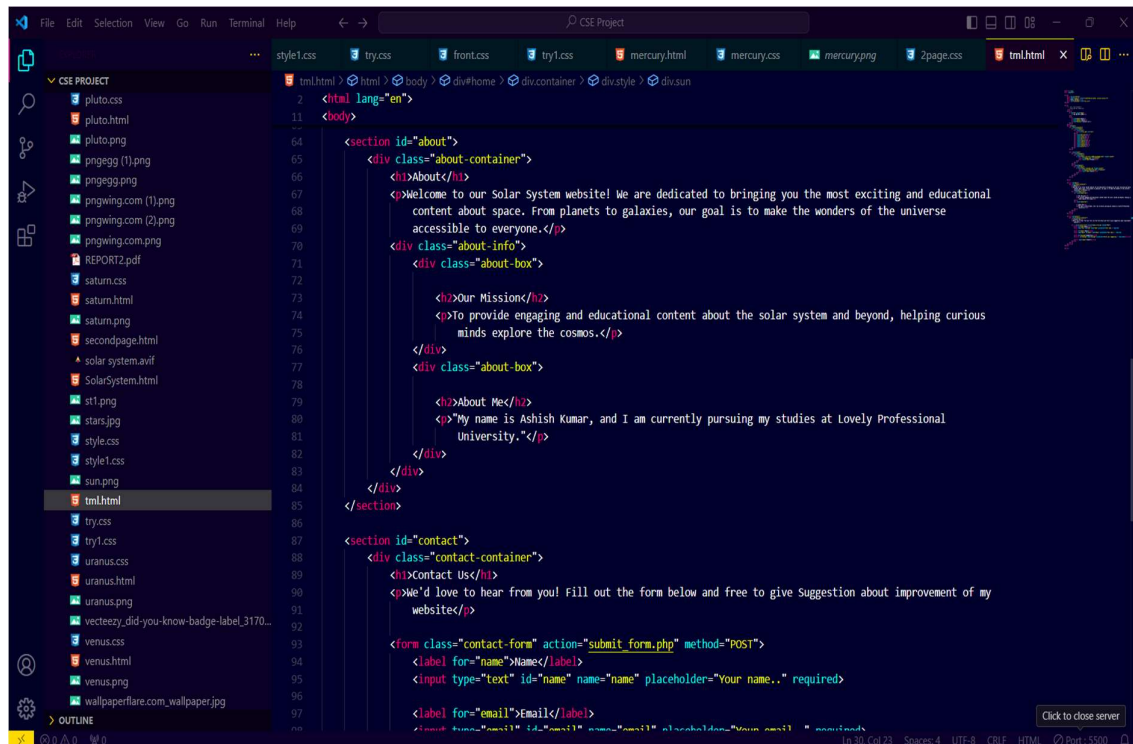
This website was created using HTML, CSS, and JavaScript to bring the Solar System to life. It's designed to provide a simple, educational experience for anyone interested in learning about the planets and galaxies. Through interactive elements and visuals, we hope this site makes exploring space both fun and informative. Thank you for visiting, and enjoy your journey through the cosmos!



# Source code:

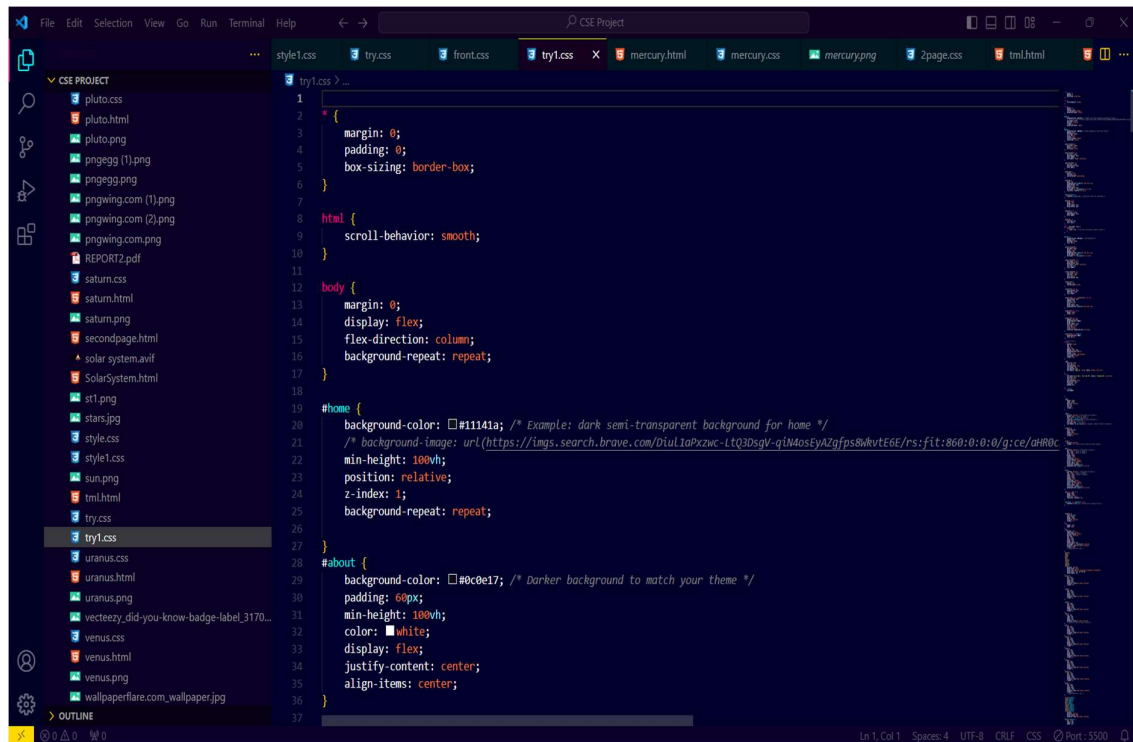


```
1 <html lang="en">
2
10 <body>
11 <!-- <div class="header">
12 <h1>WE ARE NOT ALONE</h1>
13 </div> -->
14 <header>
15 <a href="#" class="logo">
16 <h1>WE ARE NOT ALONE</h1>
17 </a>
18 <nav>
19 <a href="#home">Home</a>
20 <a href="#about">About</a>
21 <a href="#contact">Contact us</a>
22 </nav>
23 </header>
24 <div id="home">
25 <div class="container">
26 <div class="style">
27 <div class="sun">
28 
29 </div>
30 <div class="mercury"></div>
31 <div class="venus"></div>
32 <div class="earth"></div>
33 <div class="mars"></div>
34 <div class="jupiter"></div>
35 <div class="saturn"></div>
36 <div class="uranus"></div>
37 <div class="neptune"></div>
38 <div class="pluto"></div>
39 </div>
40 </div>
41 <div class="links">
42 <div class="planets">
43 <div class="box">
```

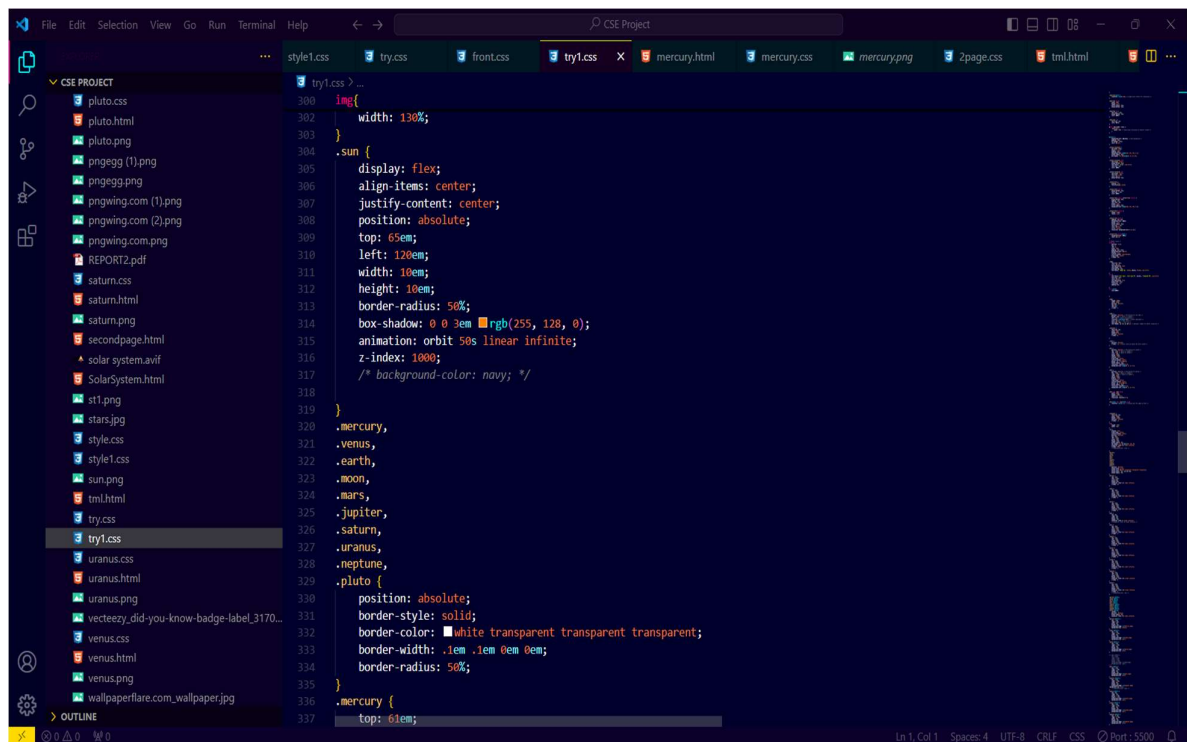


```
64 <section id="about">
65 <div class="about-container">
66 <h1>About</h1>
67 <p>Welcome to our Solar System website! We are dedicated to bringing you the most exciting and educational
68 content about space. From planets to galaxies, our goal is to make the wonders of the universe
69 accessible to everyone.</p>
70 <div class="about-info">
71 <div class="about-box">
72 <h2>Our Mission</h2>
73 <p>To provide engaging and educational content about the solar system and beyond, helping curious
74 minds explore the cosmos.</p>
75 </div>
76 <div class="about-box">
77 <h2>About Me</h2>
78 <p>My name is Ashish Kumar, and I am currently pursuing my studies at Lovely Professional
79 University.</p>
80 </div>
81 </div>
82 </section>
83
84 <section id="contact">
85 <div class="contact-container">
86 <h1>Contact Us</h1>
87 <p>We'd love to hear from you! Fill out the form below and free to give Suggestion about improvement of my
88 website</p>
89 <form class="contact-form" action="submit_form.php" method="POST">
90 <label for="name">Name</label>
91 <input type="text" id="name" name="name" placeholder="Your name.." required>
92
93 <label for="email">Email</label>
94 <input type="text" id="email" name="email" placeholder="Your email" required>
95 </form>
96
97 </section>
```

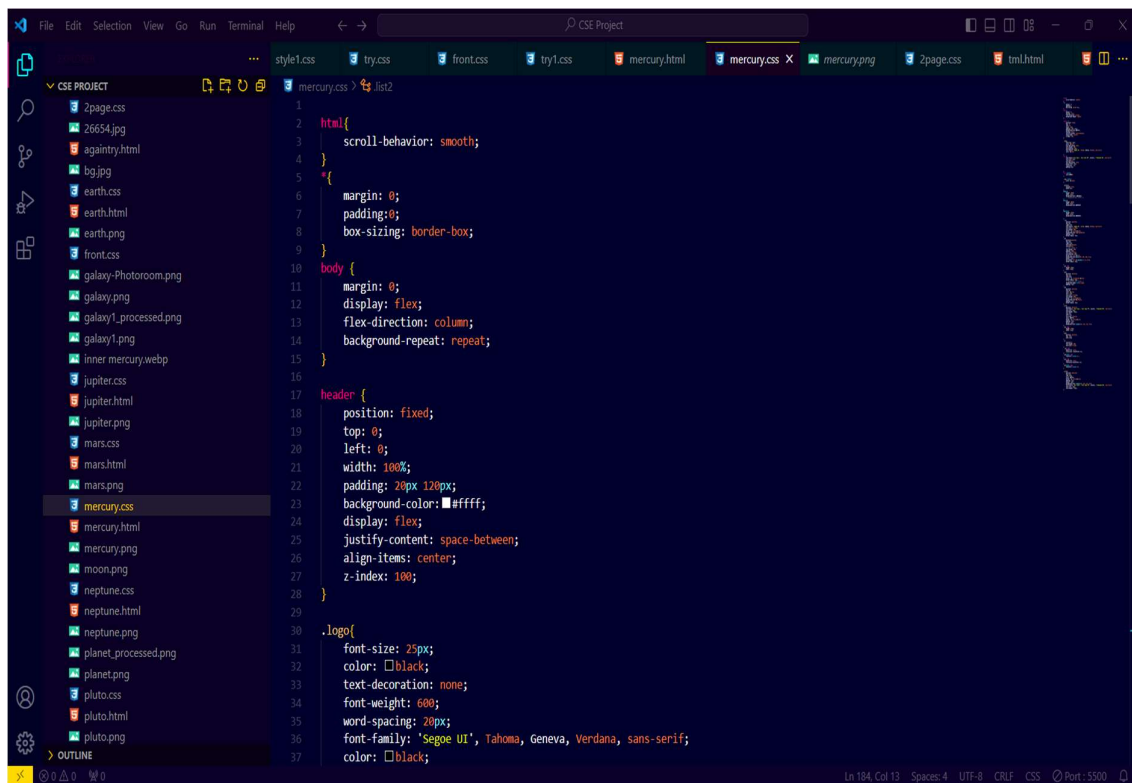
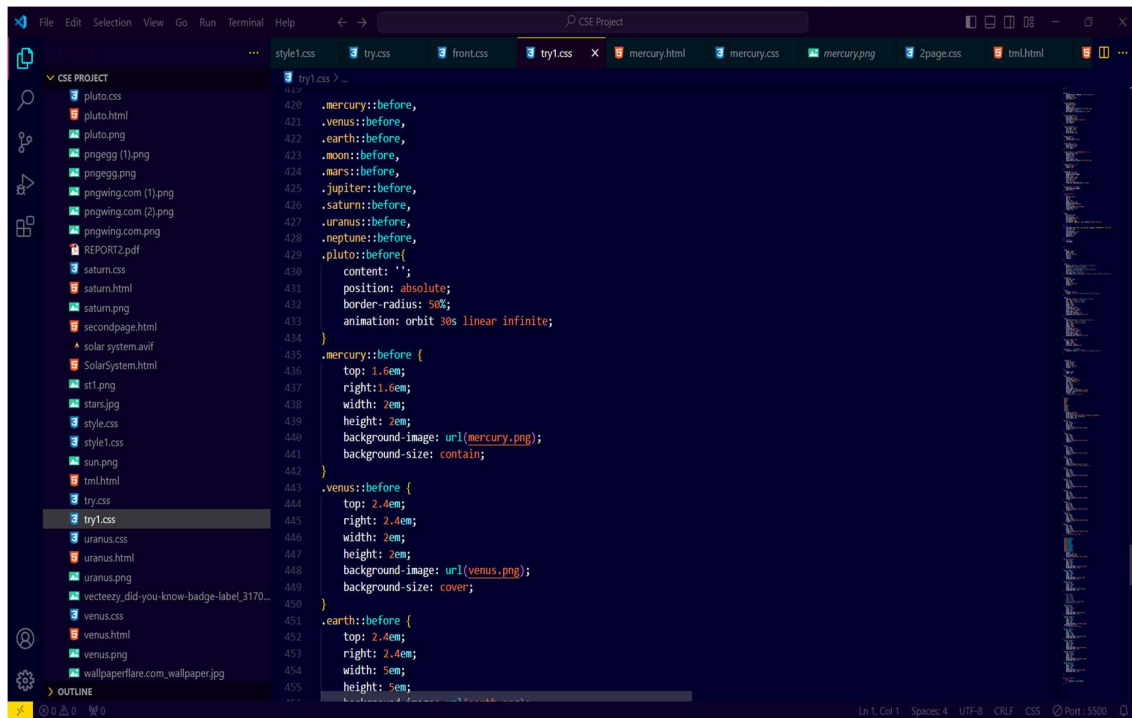




```
1 try1.css > ...
2
3 * {
4     margin: 0;
5     padding: 0;
6     box-sizing: border-box;
7 }
8
9 html {
10     scroll-behavior: smooth;
11 }
12
13 body {
14     margin: 0;
15     display: flex;
16     flex-direction: column;
17     background-repeat: repeat;
18 }
19
20 #home {
21     background-color: #11141a; /* Example: dark semi-transparent background for home */
22     /* background-image: url(https://imgs.search.brave.com/Diu1aPzwc-LtQ3Ds9V-qIMasEyaZgfps8WkvtE6E/rs:fit:860:0:0/g:ce/a:100)
23     min-height: 100vh;
24     position: relative;
25     z-index: 1;
26     background-repeat: repeat;
27 }
28
29 #about {
30     background-color: #0c0e17; /* Darker background to match your theme */
31     padding: 60px;
32     min-height: 100vh;
33     color: white;
34     display: flex;
35     justify-content: center;
36     align-items: center;
37 }
```



```
300
301 .img {
302     width: 130%;
303 }
304
305 .sun {
306     display: flex;
307     align-items: center;
308     justify-content: center;
309     position: absolute;
310     top: 65em;
311     left: 120em;
312     width: 10em;
313     height: 10em;
314     border-radius: 50%;
315     box-shadow: 0 0 3em #rgb(255, 128, 0);
316     animation: orbit 50s linear infinite;
317     z-index: 1000;
318     /* background-color: navy; */
319 }
320
321 .mercury,
322 .venus,
323 .earth,
324 .moon,
325 .mars,
326 .jupiter,
327 .saturn,
328 .uranus,
329 .neptune,
330 .pluto {
331     position: absolute;
332     border-style: solid;
333     border-color: white transparent transparent transparent;
334     border-width: .1em .1em 0em 0em;
335     border-radius: 50%;
336 }
337
338 .mercury {
339     top: 61em;
```



```
style1.css | try.css | front.css | try1.css | mercury.html | mercury.css X | mercury.png | 2page.css | tml.html
CSE PROJECT
2page.css
26654.jpg
againtry.html
bg.jpg
earth.css
earth.html
earth.png
front.css
galaxy-Photoroom.png
galaxy.png
galaxy1_processed.png
galaxy1.png
inner_mercury.webp
jupiter.css
jupiter.html
jupiter.png
mars.css
mars.html
mars.png
mercury.css
mercury.html
mercury.png
moon.png
neptune.css
neptune.html
neptune.png
planet_processed.png
planet.png
pluto.css
pluto.html
pluto.png
OUTLINE
mercury.css
nav a
30 .logo{
31 }
32 nav a{
33 font-family:'Gill Sans', 'Gill Sans Mt', Calibri, 'Trebuchet MS', sans-serif;
34 font-size: 25px;
35 color:black;
36 text-decoration: none;
37 margin-left: 35px;
38 transition: .3s;
39 padding:20px;
40 }
41
42 .logo :hover{
43 color: #8ef;
44 }
45
46 .logo :hover{
47 color: #bisque;
48 }
49
50 .content{
51 display: Flex;
52 width:300%;
53 }
54
55 #about{
56 height: 100vh;
57 width: 100vw;
58 background-color: #0c0e17;
59 /* background-color: #ffff; */
60 }
61
62 #facts{
63 height: 100vh;
64 width: 100vw;
65 background-color: #0c0e17;
66 }
67
68
69
70
71
72
73
74
```

```
style1.css | try.css | front.css | try1.css | mercury.html | mercury.css X | mercury.png | 2page.css | tml.html
CSE PROJECT
2page.css
26654.jpg
againtry.html
bg.jpg
earth.css
earth.html
earth.png
front.css
galaxy-Photoroom.png
galaxy.png
galaxy1_processed.png
galaxy1.png
inner_mercury.webp
jupiter.css
jupiter.html
jupiter.png
mars.css
mars.html
mars.png
mercury.css
mercury.html
mercury.png
moon.png
neptune.css
neptune.html
neptune.png
planet_processed.png
planet.png
pluto.css
pluto.html
pluto.png
OUTLINE
mercury.css
nav a
76 #mystery{
77 width: 100vw;
78 background-color: #0c0e17;
79 }
80
81
82 .t2{
83 position: absolute;
84 top:5em;
85 right:10em;
86 font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
87 font-size: xx-large;
88 font-weight: 800;
89 border: 4px solid black;
90 background-color: antiquewhite;
91 padding: 10px;
92 border-radius: 20px;
93 }
94
95 .t1{
96 position: absolute;
97 top:10em;
98 right:23em;
99 text-wrap:balance;
100 color: coral;
101 /* color: black; */
102 font-weight: 400;
103 padding: 30px;
104 font-size: x-large;
105 word-spacing: 10px;
106 border: 3px solid white;
107 background-color: rgba(255, 255, 255, 0.1);
108 margin: 15px;
109 box-shadow: 0 0 15px rgba(0, 0, 0, 0.5);
110 border-radius: 20px;
111 }
112
113 .im1 img{
114 height: 300px;
115 }
```

THANK YOU