

**ĐẠI HỌC QUỐC GIA THÀNH PHỐ HỒ CHÍ MINH**  
**TRƯỜNG ĐẠI HỌC CÔNG NGHỆ THÔNG TIN**  
**KHOA KHOA HỌC VÀ KỸ THUẬT THÔNG TIN**

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**BÀI TẬP THỰC HÀNH LAB02**  
**MÔN INTERNET & CÔNG NGHỆ WEB**

GVHD: ThS. Võ Tấn Khoa

Sinh viên thực hiện:

Nguyễn Cao Trí - 21522918

## Bài 1: Trang tin tức Mozilla.

- Kết quả trên trình duyệt.

# Mozilla



### Rocking the free web

Mozilla are a global community of technologists, thinkers, and builders, working together to keep the Internet alive and accessible, so people worldwide can be informed contributors and creators of the Web. We believe this act of human collaboration across an open platform is essential to individual growth and our collective future.



Click on the images below to find more information about the cool stuff

Mozilla does. [Red panda picture](#) by Mathias Appel.



# Mozilla



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builders, working together to keep the Internet alive and accessible, so people worldwide can be informed contributors and creators of the Web. We believe this act of human collaboration across an open platform is essential to individual growth and our collective future.



Click on the images below to find more information about the cool stuff Mozilla does. [Red panda picture](#) by Mathias Appel.



→ 127.0.0.1:5501/index.html

Dimensions: Responsive ▾

600

x 564

100% ▾

No throttling ▾





- Mã nguồn thực hiện.

```
index.html x red-panda-portrait-small.jpg red-panda-landscape.jpg
index.html > html > head
1 <!DOCTYPE html>
2 <html>
3
4 <head>
5   <meta charset="utf-8">
6   <meta name="viewport" content="width=device-width">
7   <title>Mozilla splash page</title>
8   <link href="https://fonts.googleapis.com/css?family=Open+Sans:400,700" rel="stylesheet" type="text/css">
9   <style>...
98 </style>
99
100 </head>
101 <!-- NGUYEN CAO TRI - 21522918 -->
102 <body>
103   <header>
104     <h1>Mozilla</h1>
105     <!-- Insert <img> element, link to the small
106          version of the Firefox logo -->
107     
108   </header>
109
110   <main>
111     <article>
112       <!-- Insert iframe from youtube -->
113       <iframe width="400" height="225" src="https://www.youtube.com/embed/ojcNcvb1olg" frameborder="0" allowfullscreen>
114     </iframe>
115
116     <h2>Rocking the free web</h2>
117
118     <p>Mozilla are a global community of technologists, thinkers, and builders, working together to keep the Internet
119       alive and accessible, so people worldwide can be informed contributors and creators of the Web. We believe this
120
```

```
index.html x red-panda-portrait-small.jpg red-panda-landscape.jpg
index.html > html > head > style
118
119   <p>Mozilla are a global community of technologists, thinkers, and builders, working together to keep the Internet
120     alive and accessible, so people worldwide can be informed contributors and creators of the Web. We believe this
121     act of human collaboration across an open platform is essential to individual growth and our collective future.
122   </p>
123
124   <p>Click on the images below to find more information about the cool stuff Mozilla does. <a
125     href="https://www.flickr.com/photos/mathiasappel/21675551065/">Red panda picture</a> by Mathias Appel.</p>
126 </article>
127
128 <div class="further-info">
129   <a href="https://www.mozilla.org/en-US/firefox/new/">
130     
133   </a>
134   <a href="https://www.mozilla.org/">
135     
138   </a>
139   <a href="https://addons.mozilla.org/">
140     
143   </a>
144   <a href="https://developer.mozilla.org/en-US/">
145     
148   </a>
149 </div>
```

```
index.html X red-panda-portrait-small.jpg red-panda-landscape.jpg
index.html > html > head > style
147     alt="Mozilla Developer Network" />
148   </a>
149   <div class="clearfix"></div>
150 </div>
151
152 <div class="red-panda">
153   <!-- insert picture element -->
154   <picture>
155     <!-- Hình ảnh sẽ hiển thị khi độ rộng viewport nhỏ hơn 600px -->
156     <source media="(max-width: 600px)" srcset="./originals/red-panda-portrait-small.jpg" />
157
158     <!-- Hình ảnh sẽ hiển thị khi độ rộng viewport lớn hơn hoặc bằng 600px -->
159     
160   </picture>
161
162 </div>
163
164 </main>
165 </body>
166
167 </html>
```

## Bài 2: Cấu trúc dữ liệu bảng.

- Kết quả trên trình duyệt.

### Planets data

Data about the planets of our solar system (Planetary facts taken from [Nasa's Planetary Fact Sheet - Metric](#)).

		Name	Mass (10 <sup>24</sup> kg)	Diameter (km)	Density (kg/m <sup>3</sup> )	Gravity (m/s <sup>2</sup> )	Length of day (hours)	Distance from Sun (10 <sup>6</sup> km)	Mean temperature (°C)	Number of moons	Notes	
Terrestrial planets		Mercury	0.330	4,879	5427	3.7	4222.6	57.9	167	0	Closest to the Sun	
		Venus	4.87	12,104	5243	8.9	2802.0	108.2	464	0		
		Earth	5.97	12,756	5514	9.8	24.0	149.6	15	1	Our world	
		Mars	0.642	6,792	3933	3.7	24.7	227.9	-65	2	The red planet	
Jovian planets		Gas giants	Jupiter	1898	142,984	1326	23.1	778.6	-110	67	2	The largest planet
			Saturn	568	120,536	687	9.0	10.7	1433.5	-140	62	
		Ice giants	Uranus	86.8	51,118	1271	8.7	17.2	2872.5	-195	27	
			Neptune	102	49,528	1638	11.0	16.1	4495.1	-200	14	
Dwarf planets*		Pluto	0.0146	2,370	2095	0.7	153.3	5906.4	-225	5	Declassified as a planet in 2006, but this <a href="#">remains controversial</a>	

- Mã nguồn thực hiện html.

```
blank-template-tri.html # style.css
blank-template-tri.html > html
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5   <meta charset="utf-8">
6   <title>Table template</title>
7   <!-- <link href="minitable-table.css" rel="stylesheet" type="text/css" -->
8   <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.1/dist/css/bootstrap.min.css" rel="stylesheet"
9     integrity="sha384-4bw+aepP/YC94hEpVNWgiZdgIC5+VKNBQNGcHeKRON+PtmohDEXuppvndJzQIu9" crossorigin="anonymous">
10   <link rel="stylesheet" href="style.css">
11
12 </head>
13
14 <!-- NGUYEN CAO TRI - 21522918 -->
15
16 <body>
17   <h1 style="margin-left: 40px; margin-top: 60px;">Planets data</h1>
18   <p style="text-align: center;">Data about the planets of our solar system (Planetary facts taken from <a
19     href="http://nssdc.gsfc.nasa.gov/planetary/factsheet/">http://nssdc.gsfc.nasa.gov/planetary/factsheet/">Nasa's Planetary Fact
20     Sheet - Metric</a>).</p>
21
22   <table style="width: 90%; margin-left: 40px;" class="table table-bordered border-gray table-striped text-center align-middle">
23     <thead class="border-gray">
24       <tr class="text-center align-middle">
25         <th class="bg-thead" style="background-color: rgba(0, 0, 0, 0.05);" scope="col" colspan="4"></th>
26         <th class="bg-thead border-tlr" scope="row">Name</th>
27         <th class="bg-thead" scope="col">Mass <br> (10<sup>24</sup>kg)</th>
28         <th class="bg-thead" scope="col">Diameter <br> (km)</th>
29         <th class="bg-thead" scope="col">Density <br> (kg/m<sup>3</sup>)</th>
30         <th class="bg-thead" scope="col">Gravity <br> (m/s<sup>2</sup>)</th>
31         <th class="bg-thead" scope="col">Length <br> of day <br> (hours)</th>
32         <th class="bg-thead" scope="col">Distance <br> from Sun <br> (10<sup>6</sup>km)</th>
33         <th class="bg-thead" scope="col">Mean <br> temperature <br> (°C)</th>
34         <th class="bg-thead" scope="col">Number <br> of <br> moons</th>
35         <th class="bg-thead" scope="col">Notes</th>
36     </thead>
37     <tbody>
38       <tr>
39         <td data-kind="parent" data-rs="4">Terrestrial planets</td>
40         <td>Mercury</td>
41         <td>0.330</td>
42         <td>4,879</td>
43         <td>5427</td>
44         <td>3.7</td>
45         <td>4222.6</td>
46         <td>57.9</td>
47         <td>167</td>
48         <td>0</td>
49         <td>Closest to the Sun</td>
50       </tr>
51       <tr>
52         <td data-kind="ghost"></td>
53         <td>Venus</td>
54         <td>4.87</td>
55         <td>12,104</td>
56         <td>5243</td>
57         <td>8.9</td>
58         <td>2802.0</td>
59         <td>108.2</td>
60         <td>464</td>
61         <td>0</td>
62         <td></td>
63       </tr>
64       <tr>
65         <td data-kind="ghost"></td>
66         <td>Earth</td>
67         <td>5.97</td>
68         <td>12,756</td>
69         <td>5514</td>
70         <td>9.8</td>
71         <td>24.0</td>
72         <td>149.6</td>
73         <td>15</td>
74         <td>1</td>
75         <td>Our world</td>
76       </tr>
77       <tr>
78         <td data-kind="ghost"></td>
79         <td>Mars</td>
80         <td>0.642</td>
81         <td>6,792</td>
82         <td>3933</td>
83         <td>3.7</td>
84         <td>24.7</td>
85         <td>227.9</td>
86         <td>-65</td>
87         <td>2</td>
88         <td>The red planet</td>
89       </tr>
90       <tr>
91         <td data-kind="parent" data-rs="4">Jovian planets</td>
92         <td data-kind="parent" data-rs="2">Gas giants</td>
93         <td>Jupiter</td>
94         <td>1898</td>
95         <td>142,984</td>
96         <td>1326</td>
97         <td>23.1</td>
98         <td>778.6</td>
99         <td>-110</td>
100        <td>67</td>
101        <td>2</td>
102        <td>The largest planet</td>
103      </tr>
104      <tr>
105        <td data-kind="ghost"></td>
106        <td data-kind="ghost"></td>
107        <td>Saturn</td>
108        <td>568</td>
109        <td>120,536</td>
110        <td>687</td>
111        <td>9.0</td>
112        <td>10.7</td>
113        <td>1433.5</td>
114        <td>-140</td>
115        <td>62</td>
116        <td></td>
117      </tr>
118      <tr>
119        <td data-kind="ghost"></td>
120        <td data-kind="parent" data-rs="2">Ice giants</td>
121        <td>Uranus</td>
122        <td>86.8</td>
123        <td>51,118</td>
124        <td>1271</td>
125        <td>8.7</td>
126        <td>17.2</td>
127        <td>2872.5</td>
128        <td>-195</td>
129        <td>27</td>
130        <td></td>
131      </tr>
132      <tr>
133        <td data-kind="ghost"></td>
134        <td data-kind="ghost"></td>
135        <td>Neptune</td>
136        <td>102</td>
137        <td>49,528</td>
138        <td>1638</td>
139        <td>11.0</td>
140        <td>16.1</td>
141        <td>4495.1</td>
142        <td>-200</td>
143        <td>14</td>
144        <td></td>
145      </tr>
146      <tr>
147        <td data-cs="2" data-kind="parent">Dwarf planets*</td>
148        <td data-kind="ghost"></td>
149        <td>Pluto</td>
150        <td>0.0146</td>
151        <td>2,370</td>
152        <td>2095</td>
153        <td>0.7</td>
154        <td>153.3</td>
155        <td>5906.4</td>
156        <td>-225</td>
157        <td>5</td>
158        <td>Declassified as a planet in 2006, but this <a href="#">remains controversial</a></td>
159      </tr>
160    </tbody>
161  </table>
162</body>
163</html>
```

```
blank-template-tri.html X # style.css
blank-template-tri.html > html
31 <th class="bg-thead" scope="col">Distance <br> from Sun <br> (10<sup>6</sup>km)</th>
32 <th class="bg-thead" scope="col">Mean <br> temperature <br> (°C)</th>
33 <th class="bg-thead" scope="col">Number <br>of <br>moons</th>
34 <th class="bg-thead" scope="col" colspan="4">Notes</th>
35 </tr>
36 </thead>
37 <tbody class="text-center border-gray">
38 <colgroup>
39 <col span="2">
40 <col span="9">
41 </colgroup>
42 <tr>
43 <th class="align-middle bg-thead " scope="row" colspan="4" rowspan="4">
44 | Terrestrial planets
45 </th>
46 <th scope="row" class="bg-thead border-lr">Mercury</th>
47 <td>0.330</td>
48 <td>4,879 </td>
49 <td>5427</td>
50 <td>3.7</td>
51 <td>4222.6</td>
52 <td>57.9</td>
53 <td>167</td>
54 <td>0</td>
55 <td>Closest to the Sun</td>
56 </tr>
57 <tr>
58 <th class="bg-thead border-lr" scope="row">Venus</th>
59 <td>4.87</td>
60 <td>12,104</td>
61 <td>5243</td>
62 <td>8.9</td>
```



blank-template-tri.html X # style.css

blank-template-tri.html > html

```
60      <td>12,104</td>
61      <td>5243</td>
62      <td>8.9</td>
63      <td>2802.0</td>
64      <td>108.2</td>
65      <td>464</td>
66      <td>0</td>
67    </tr>
68    <tr>
69      <th class="bg-thead border-lr" scope="row">Earth</th>
70      <td>5.97</td>
71      <td>12,756</td>
72      <td>5514</td>
73      <td>9.8</td>
74      <td>24.0</td>
75      <td>149.6</td>
76      <td>15</td>
77      <td>1</td>
78      <td>Our world</td>
79    </tr>
80    <tr>
81      <th class="bg-thead border-lr" scope="row">Mars</th>
82      <td>0.642</td>
83      <td>6,792</td>
84      <td>3933</td>
85      <td>3.7</td>
86      <td>24.7</td>
87      <td>227.9</td>
88      <td>-65</td>
89      <td>2</td>
90      <td>The red planet</td>
91    </tr>
```

```
blank-template-tri.html X # style.css
blank-template-tri.html > html
90     <td>The red planet</td>
91 </tr>
92 <tr>
93   <th class="align-middle bg-thead" scope="row" colspan="2" rowspan="4">
94     Jovian planets
95   </th>
96   <th style="background-color: rgb(224, 223, 223);" rowspan="2" colspan="2">Gas giants</th>
97   <th class="bg-thead border-lr">Jupiter</th>
98   <td>1898</td>
99   <td>142,984</td>
100  <td>1326</td>
101  <td>23.1</td>
102  <td>778.6</td>
103  <td>-110</td>
104  <td>67</td>
105  <td>2</td>
106  <td>The largest planet</td>
107 </tr>
108 <tr>
109   <th class="bg-thead border-lr" scope="row">Saturn</th>
110   <td>568</td>
111   <td>120,536</td>
112   <td>687</td>
113   <td>9.0</td>
114   <td>10.7</td>
115   <td>1433.5</td>
116   <td>-140</td>
117   <td>62</td>
118 </tr>
119 </tr>
```

```
blank-template-tri.html X # style.css
blank-template-tri.html > html
117     <td>62</td>
118 </tr>
119 <tr>
120   <th style="background-color: ■ rgb(224, 223, 223);" scope="row" colspan="2" rowspan="2" class="align-middle">Ice
121   | giants</th>
122   <th scope="row" class="bg-thead border-lr">Uranus</th>
123     <td>86.8</td>
124     <td>51,118</td>
125     <td>1271</td>
126     <td>8.7</td>
127     <td>17.2</td>
128     <td>2872.5</td>
129     <td>-195</td>
130     <td>27</td>
131   <td></td>
132
133 </tr>
134 <tr>
135   <th class="bg-thead border-lr" scope="row">Neptune</th>
136     <td>102</td>
137     <td>49,528</td>
138     <td>1638</td>
139     <td>11.0</td>
140     <td>16.1</td>
141     <td>4495.1</td>
142     <td>-200</td>
143     <td>14</td>
144 </tr>
145 <tr>
146   <th scope="row" colspan="4" class="align-middle bg-thead">Dwarf planets*</th>
147   <th class="bg-thead border-lrb align-middle" scope="row">Pluto</th>
148     <td>0.0146</td>
```

```
blank-template-tri.html X # style.css
blank-template-tri.html > html > body > table.table.table-bordered.border-gray.table-striped.text-center.align-middle > tbody
142     <td>-200</td>
143     <td>14</td>
144 </tr>
145 <tr>
146   <th scope="row" colspan="4" class="align-middle bg-thead">Dwarf planets*</th>
147   <th class="bg-thead border-lrb align-middle" scope="row">Pluto</th>
148     <td>0.0146</td>
149     <td>2,370</td>
150     <td>2095</td>
151     <td>0.7</td>
152     <td>153.3</td>
153     <td>5906.4</td>
154     <td>-225</td>
155     <td>5</td>
156     <td>Declassified as a <br> planet in
157
158     2006, but <br> this <a href="http://www.usatoday.com/story/tech/2014/10/02/pluto-
159     planet-solar-system/16578959/">remains <br> controversial</a></td>
160 </tr>
161 </tbody>
162 </table>
163
164 </body>
165
166 </html>
```

- Mã nguồn thực hiện css.

```
blank-template-tri.html # style.css
# style.css > ...
1  /* NGUYEN CAO TRI - 21522918 */
2  body .border-gray {
3    border: 3px solid #rgb(200, 200, 200);
4  }
5
6  body table .border-gray tr th {
7    border: 3px solid #rgb(200, 200, 200);
8  }
9
10 body table .border-gray tr td {
11   border: 3px solid #rgb(200, 200, 200);
12 }
13
14 body table thead tr .border-tlr {
15   border-top: 4px solid #333;
16   border-left: 4px solid #333;
17   border-right: 4px solid #333;
18 }
19
20 body table tbody tr .border-lr {
21   border-right: 4px solid #333 ;
22   border-left: 4px solid #333 ;
23   border-collapse: collapse;
24 }
25
26
27 body table tbody tr .border-lrb {
28   border-right: 4px solid #333;
29   border-left: 4px solid #333;
30   border-bottom: 4px solid #333;
31   border-collapse: collapse;
32 }
```

<> blank-template-tri.html

# style.css ●

# style.css > ...

```
32
33
34  ✓ body table thead tr .border-r {
35      border-right: 4px solid ■ red;
36      border-collapse: collapse;
37  }
38
39  ✓ body table tbody tr .border-r {
40      border-right: 4px solid ■ red;
41      border-collapse: collapse;
42  }
43  }
44
45  ✓ body table thead tr .bg-thead {
46      background-color: ■ rgb(224, 223, 223);
47  }
48
49  ✓ body table tbody tr .bg-thead {
50      background-color: ■ rgb(224, 223, 223);
51  }
52  }
53
54
55
56
```