Chapter 16: Images

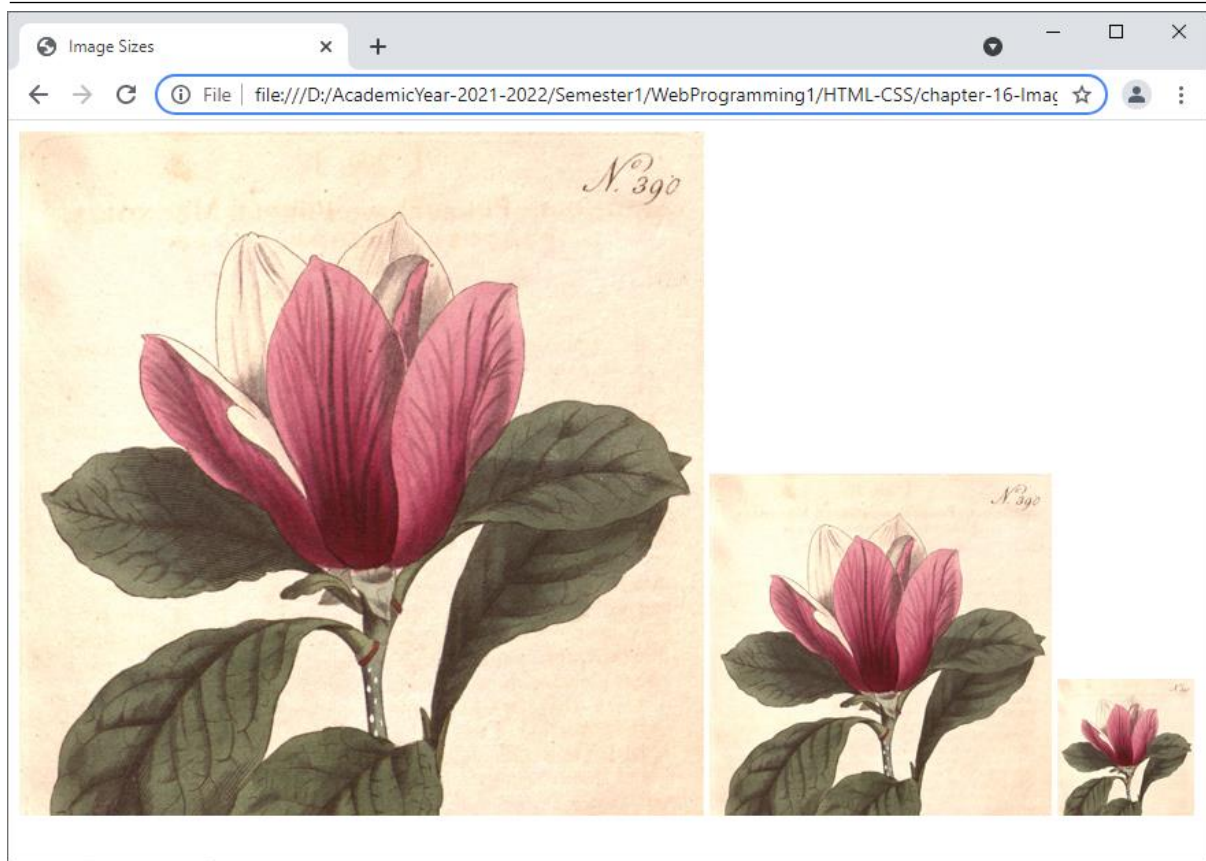## 1-Controlling Sizes of Images in CSS (Page 409)

p409-image-sizes.html

```
1   <!DOCTYPE html>
2   <html>
3       <head>
4           <title>Image Sizes</title>
5           <style type="text/css">
6               img.large
7               {
8                   width: 500px;
9                   height: 500px;
10              }
11
12              img.medium
13              {
14                  width: 250px;
15                  height: 250px;
16              }
17
18              img.small
19              {
20                  width: 100px;
21                  height: 100px;
22              }
23          </style>
24      </head>
25      <body>
26          <img src="images/magnolia-large.jpg" class="large" alt="Magnolia" />
27          <img src="images/magnolia-medium.jpg" class="medium" alt="Magnolia" />
28          <img src="images/magnolia-small.jpg" class="small" alt="Magnolia" />
29      </body>
30  </html>
```

2-Aligning Images Using CSS (Page 411)
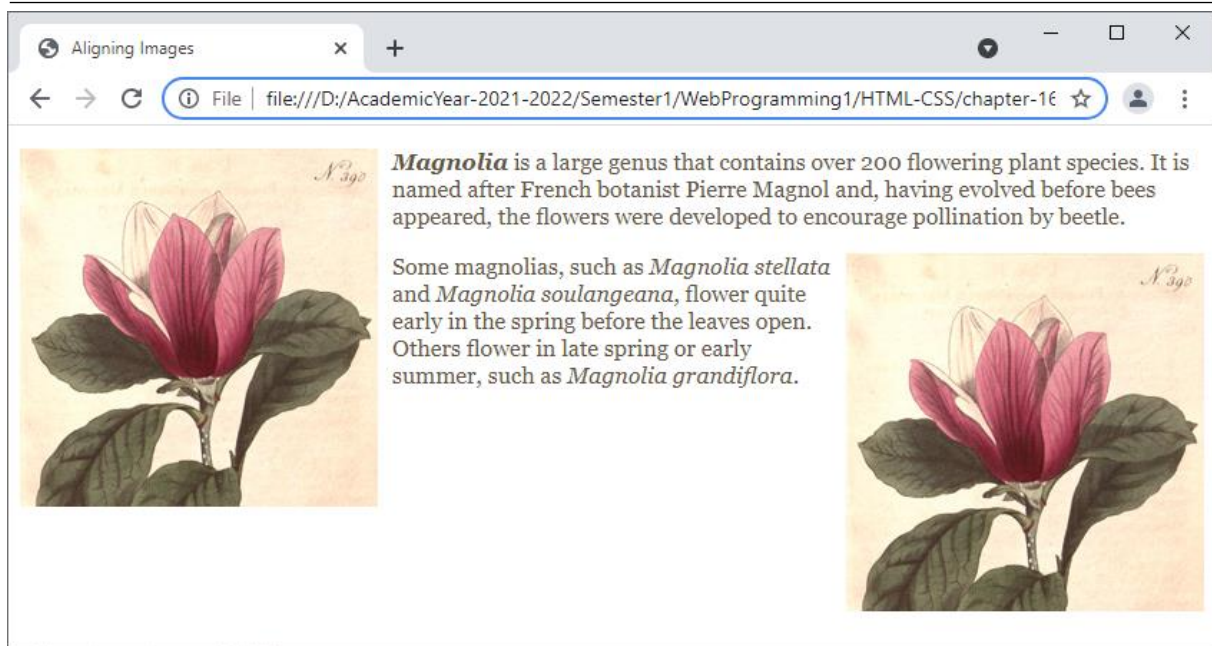
p411-aligning-images.html

```
1  <!DOCTYPE html>
2  <html>
3      <head>
4          <title>Aligning Images</title>
5          <style type="text/css">
6              body
7              {
8                  font-family: Georgia, "Times New Roman", serif;
9                  color: #665544;
10             }
11
12             img.align-left
13             {
14                 float: left;
15                 margin-right: 10px;
16             }
```

```
17
18              img.align-right
19              {
20                  float: right;
21                  margin-left: 10px;
22              }
23
24              img.medium
25              {
26                  width: 250px;
27                  height: 250px;
28              }
29          </style>
30      </head>
31      <body>
32          <p><img src="images/magnolia-medium.jpg" alt="Magnolia"
33                  class="align-left medium" /><b><i>Magnolia</i></b>
34                  is a large genus that contains over 200 flowering
35                  plant species. It is named after French botanist
36                  Pierre Magnol and, having evolved before bees
37                  appeared, the flowers were developed to encourage
38                  pollination by beetle.
39          </p>
40          <p><img src="images/magnolia-medium.jpg" alt="Magnolia"
41                  class="align-right medium" />Some magnolias, such
42                  as <i>Magnolia stellata</i> and <i>Magnolia
43                  soulangeana</i>, flower quite early in the spring
44                  before the leaves open. Others flower in late
45                  spring or early summer, such as <i>Magnolia
46                  grandiflora</i>.
47          </p>
48      </body>
49  </html>
```

3-Centering Images Using CSS (Page 412)

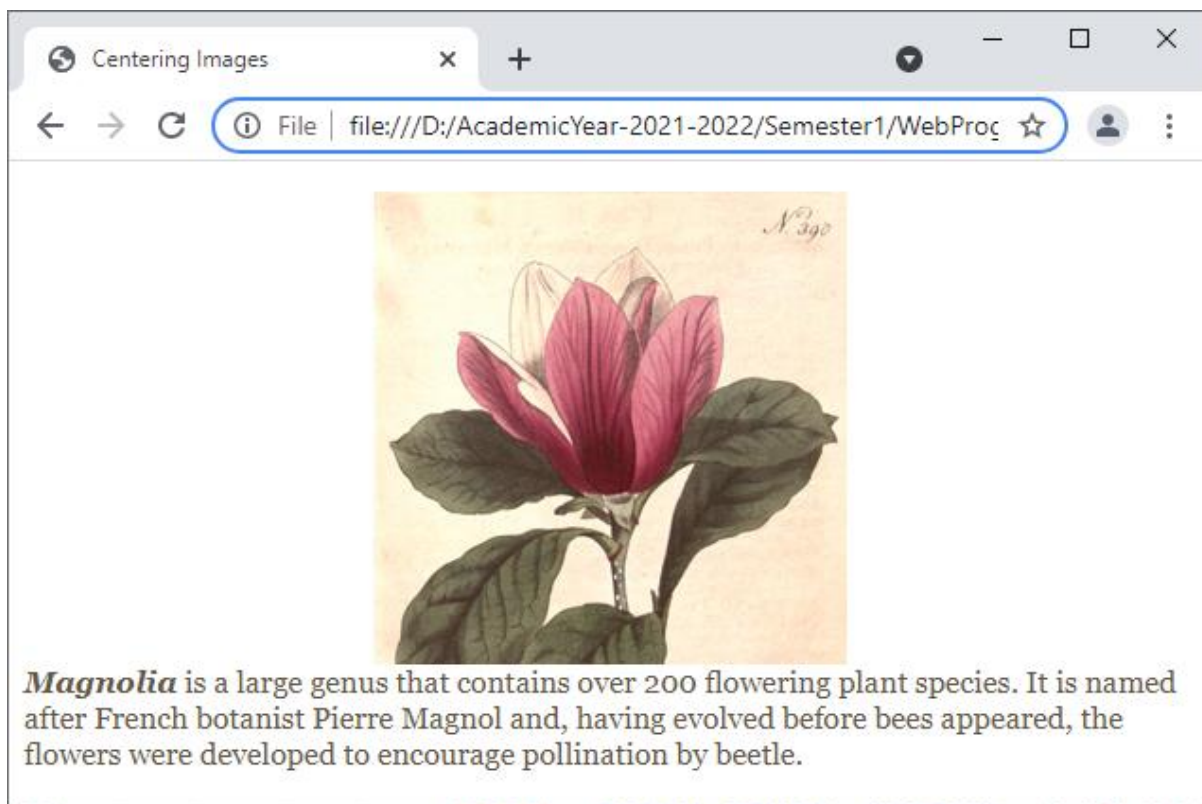p412-centering-images.html

```
1  <!DOCTYPE html>
2  <html>
3      <head>
4          <title>Centering Images</title>
5          <style type="text/css">
6              body
7              {
8                  font-family: Georgia, "Times New Roman", serif;
9                  color: #665544;
10             }
11
12             img.align-center
13             {
14                 display: block;
15                 margin: 0px auto;
16             }
17
```

```
18              img.medium
19              {
20                  width: 250px;
21                  height: 250px;
22              }
23          </style>
24      </head>
25      <body>
26          <p><img src="images/magnolia-medium.jpg" alt="Magnolia"
27              class="align-center medium" /><b><i>Magnolia</i>
28              </b> is a large genus that contains over 200
29              flowering plant species. It is named after
30              French botanist Pierre Magnol and, having
31              evolved before bees appeared, the flowers
32              were developed to encourage pollination
33              by beetle.
34          </p>
35      </body>
36  </html>
```


Magnolia is a large genus that contains over 200 flowering plant species. It is named after French botanist Pierre Magnol and, having evolved before bees appeared, the flowers were developed to encourage pollination by beetle.

4-Background Images (Page 413)
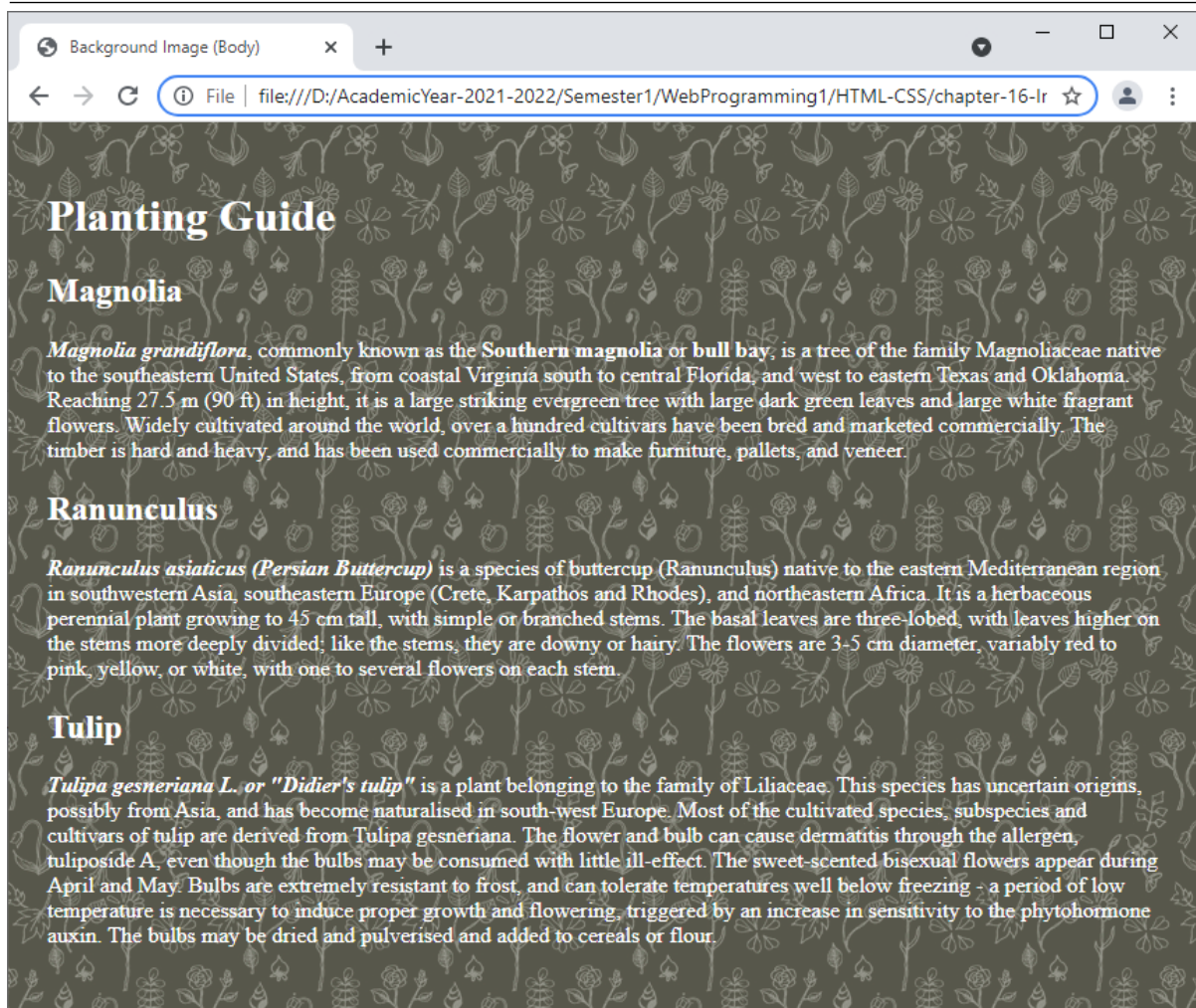
p413-background-image-body.html

```
1   <!DOCTYPE html>
2   <html>
3       <head>
4           <title>Background Image (Body)</title>
5           <style type="text/css">
6               body
7               {
8                   background-image: url("images/pattern.gif");
9                   color: □white;
10                  padding: 20px;
11              }
12          </style>
13      </head>
14      <body>
15          <h1>Planting Guide</h1>
16          <h2>Magnolia</h2>
17          <p><b><i>Magnolia grandiflora</i></b>, commonly known
18                  as the <b>Southern magnolia</b> or <b>bull
19                  bay</b>, is a tree of the family Magnoliaceae
20                  native to the southeastern United States, from
21                  coastal Virginia south to central Florida, and
22                  west to eastern Texas and Oklahoma. Reaching
23                  27.5 m (90 ft) in height, it is a large
24                  striking evergreen tree with large dark green
25                  leaves and large white fragrant flowers. Widely
26                  cultivated around the world, over a hundred
27                  cultivars have been bred and marketed
28                  commercially. The timber is hard and heavy, and
29                  has been used commercially to make furniture,
30                  pallets, and veneer.
31          </p>
```

```
32      <h2>Ranunculus</h2>
33      <p><b><i>Ranunculus asiaticus (Persian Buttercup)</i>
34              </b> is a species of buttercup (Ranunculus)
35              native to the eastern Mediterranean region
36              in southwestern Asia, southeastern Europe
37              (Crete, Karpathos and Rhodes), and
38              northeastern Africa. It is a herbaceous
39              perennial plant growing to 45 cm tall,
40              with simple or branched stems. The basal
41              leaves are three-lobed, with leaves higher
42              on the stems more deeply divided; like the
43              stems, they are downy or hairy. The flowers
44              are 3-5 cm diameter, variably red to pink,
45              yellow, or white, with one to several flowers
46              on each stem.
47      </p>
48      <h2>Tulip</h2>
49      <p><b><i>Tulipa gesneriana L. or "Didier's tulip"</i>
50              </b> is a plant belonging to the family of
51              Liliaceae. This species has uncertain origins,
52              possibly from Asia, and has become naturalised
53              in south-west Europe. Most of the cultivated
54              species, subspecies and cultivars of tulip are
55              derived from Tulipa gesneriana. The flower and
56              bulb can cause dermatitis through the allergen,
57              tuliposide A, even though the bulbs may be
58              consumed with little ill-effect. The
59              sweet-scented bisexual flowers appear during
60              April and May. Bulbs are extremely resistant
61              to frost, and can tolerate temperatures well
62              below freezing - a period of low temperature
63              is necessary to induce proper growth and
64              flowering, triggered by an increase in
65              sensitivity to the phytohormone auxin.
66              The bulbs may be dried and pulverised and
67              added to cereals or flour.
68      </p>
69  </body>
70 </html>
```

Planting Guide

Magnolia

Magnolia grandiflora, commonly known as the **Southern magnolia** or **bull bay**, is a tree of the family Magnoliaceae native to the southeastern United States, from coastal Virginia south to central Florida, and west to eastern Texas and Oklahoma. Reaching 27.5 m (90 ft) in height, it is a large striking evergreen tree with large dark green leaves and large white fragrant flowers. Widely cultivated around the world, over a hundred cultivars have been bred and marketed commercially. The timber is hard and heavy, and has been used commercially to make furniture, pallets, and veneer.

Ranunculus

Ranunculus asiaticus (Persian Buttercup) is a species of buttercup (Ranunculus) native to the eastern Mediterranean region in southwestern Asia, southeastern Europe (Crete, Karpathos and Rhodes), and northeastern Africa. It is a herbaceous perennial plant growing to 45 cm tall, with simple or branched stems. The basal leaves are three-lobed, with leaves higher on the stems more deeply divided; like the stems, they are downy or hairy. The flowers are 3-5 cm diameter, variably red to pink, yellow, or white, with one to several flowers on each stem.

Tulip

Tulipa gesneriana L. or "Didier's tulip" is a plant belonging to the family of Liliaceae. This species has uncertain origins, possibly from Asia, and has become naturalised in south-west Europe. Most of the cultivated species, subspecies and cultivars of tulip are derived from Tulipa gesneriana. The flower and bulb can cause dermatitis through the allergen, tuliposide A, even though the bulbs may be consumed with little ill-effect. The sweet-scented bisexual flowers appear during April and May. Bulbs are extremely resistant to frost, and can tolerate temperatures well below freezing - a period of low temperature is necessary to induce proper growth and flowering, triggered by an increase in sensitivity to the phytohormone auxin. The bulbs may be dried and pulverised and added to cereals or flour.

p413-background-image-element.html

```
1   <!DOCTYPE html>
2   <html>
3       <head>
4           <title>Background Image (Element)</title>
5           <style type="text/css">
6               body
7               {
8                   color: #665544;
9                   padding: 20px;
10              }
11
```
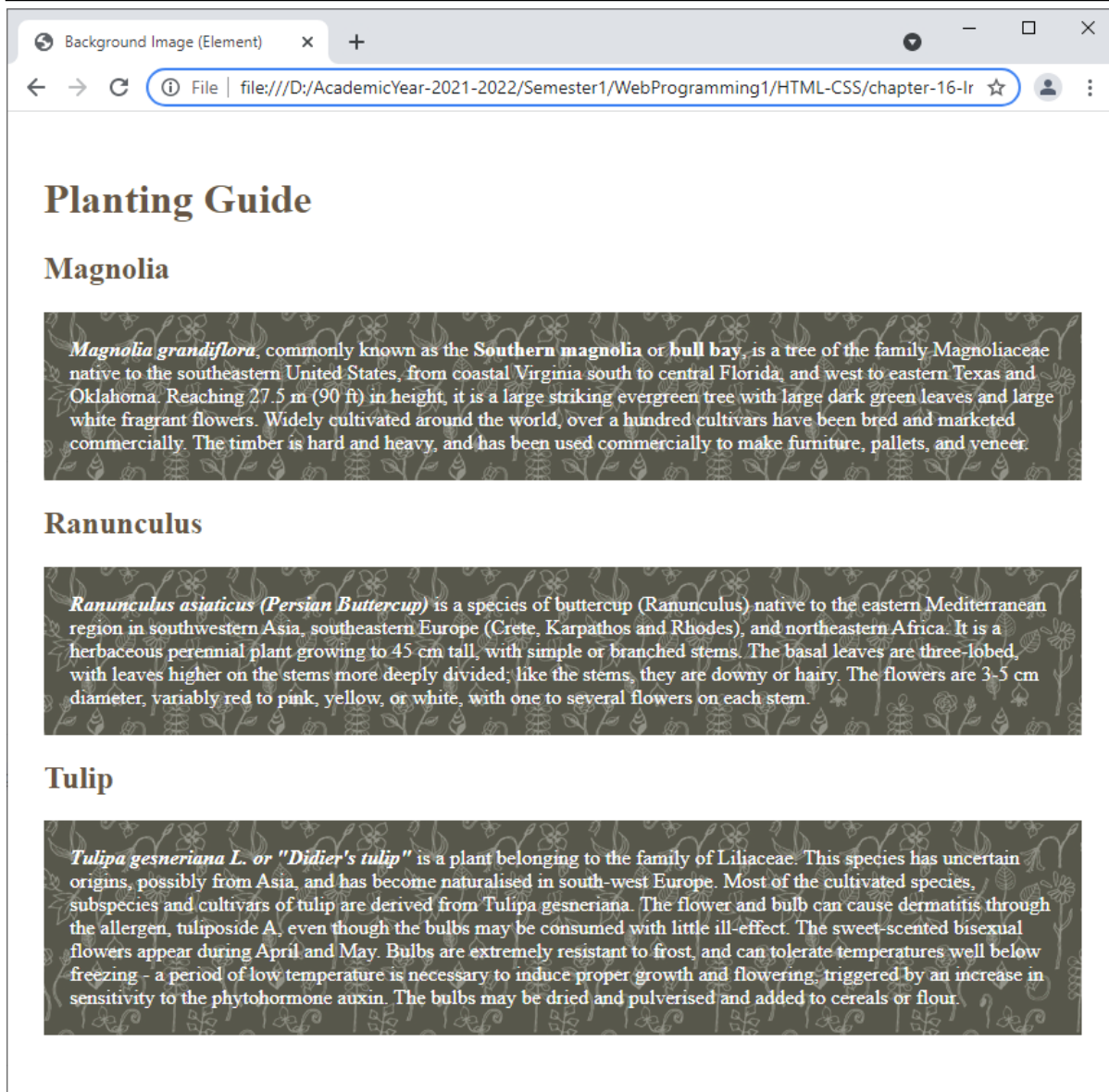
```
12              p
13              {
14                      background-image: url("images/pattern.gif");
15                      color: ☐white;
16                      padding: 20px;
17              }
18          </style>
19      </head>
20      <body>
21          <h1>Planting Guide</h1>
22          <h2>Magnolia</h2>
23          <p><b><i>Magnolia grandiflora</i></b>, commonly known
24                  as the <b>Southern magnolia</b> or <b>bull
25                  bay</b>, is a tree of the family Magnoliaceae
26                  native to the southeastern United States, from
27                  coastal Virginia south to central Florida, and
28                  west to eastern Texas and Oklahoma. Reaching
29                  27.5 m (90 ft) in height, it is a large
30                  striking evergreen tree with large dark green
31                  leaves and large white fragrant flowers. Widely
32                  cultivated around the world, over a hundred
33                  cultivars have been bred and marketed
34                  commercially. The timber is hard and heavy, and
35                  has been used commercially to make furniture,
36                  pallets, and veneer.
37          </p>
38          <h2>Ranunculus</h2>
39          <p><b><i>Ranunculus asiaticus (Persian Buttercup)</i>
40                  </b> is a species of buttercup (Ranunculus)
41                  native to the eastern Mediterranean region
42                  in southwestern Asia, southeastern Europe
43                  (Crete, Karpathos and Rhodes), and
44                  northeastern Africa. It is a herbaceous
45                  perennial plant growing to 45 cm tall,
46                  with simple or branched stems. The basal
47                  leaves are three-lobed, with leaves higher
48                  on the stems more deeply divided; like the
49                  stems, they are downy or hairy. The flowers
50                  are 3-5 cm diameter, variably red to pink,
51                  yellow, or white, with one to several flowers
52                  on each stem.
53          </p>
```

```
54        <h2>Tulip</h2>
55        <p><b><i>Tulipa gesneriana L. or "Didier's tulip"</i>
56              </b> is a plant belonging to the family of
57              Liliaceae. This species has uncertain origins,
58              possibly from Asia, and has become naturalised
59              in south-west Europe. Most of the cultivated
60              species, subspecies and cultivars of tulip are
61              derived from Tulipa gesneriana. The flower and
62              bulb can cause dermatitis through the allergen,
63              tuliposide A, even though the bulbs may be
64              consumed with little ill-effect. The
65              sweet-scented bisexual flowers appear during
66              April and May. Bulbs are extremely resistant
67              to frost, and can tolerate temperatures well
68              below freezing - a period of low temperature
69              is necessary to induce proper growth and
70              flowering, triggered by an increase in
71              sensitivity to the phytohormone auxin.
72              The bulbs may be dried and pulverised and
73              added to cereals or flour.
74        </p>
75     </body>
76  </html>
```

Planting Guide

Magnolia

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Ranunculus

Ranunculus asiaticus (Persian Buttercup) is a species of buttercup (Ranunculus) native to the eastern Mediterranean region in southwestern Asia, southeastern Europe (Crete, Karpathos and Rhodes), and northeastern Africa. It is a herbaceous perennial plant growing to 45 cm tall, with simple or branched stems. The basal leaves are three-lobed, with leaves higher on the stems more deeply divided; like the stems, they are downy or hairy. The flowers are 3-5 cm diameter, variably red to pink, yellow, or white, with one to several flowers on each stem.

Tulip

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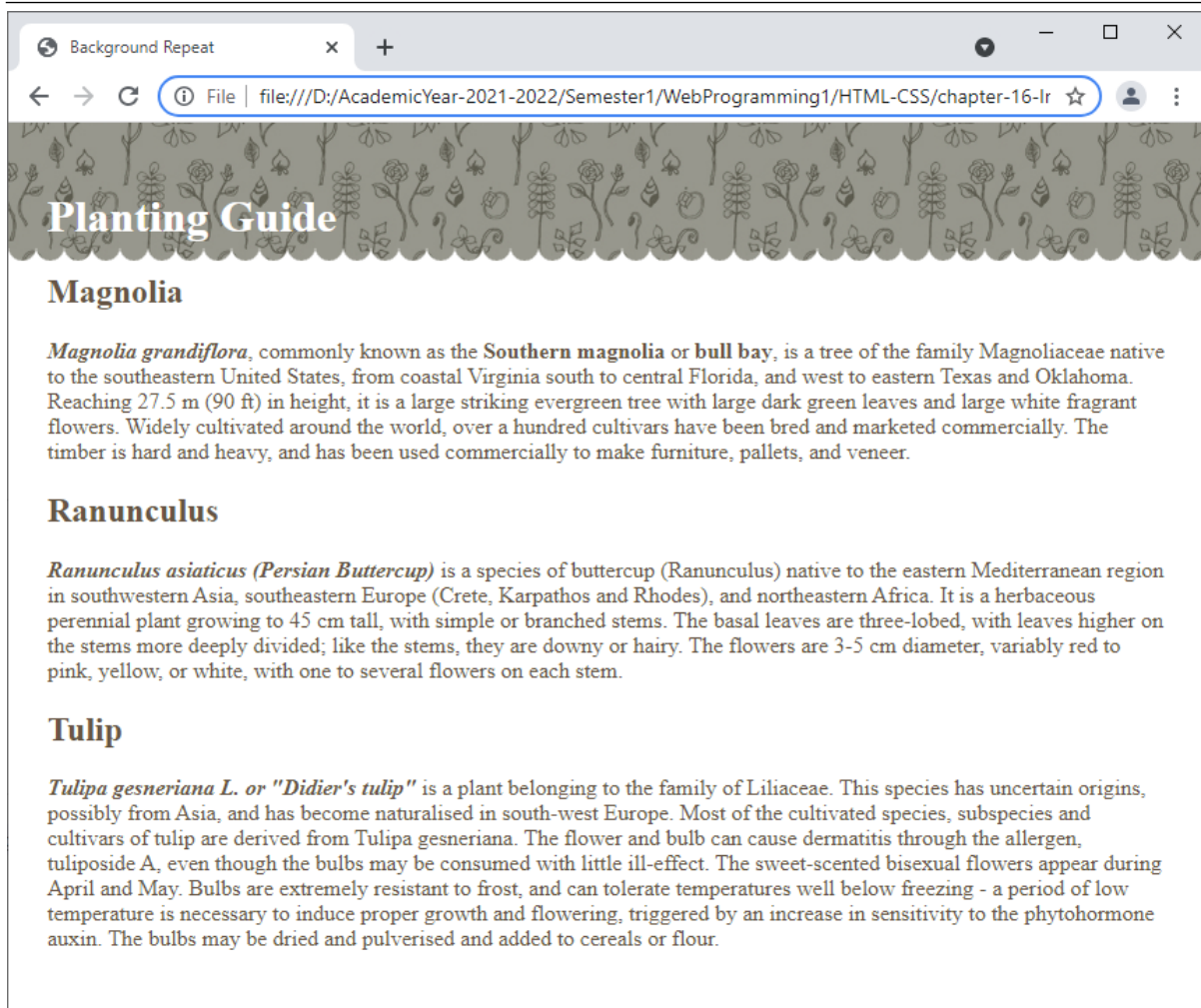## 5-Repeating Images (Page 414)

p414-background-repeat.html

```
1   <!DOCTYPE html>
2   <html>
3       <head>
4           <title>Background Repeat</title>
5           <style type="text/css">
6               body
7               {
8                   background-image: url("images/header.gif");
9                   background-repeat: repeat-x;
10                  color: ■#665544;
11                  padding: 20px;
12              }
13
14              h1
15              {
16                  color: □white;
17              }
18          </style>
19      </head>
20      <body>
21          <h1>Planting Guide</h1>
22          <h2>Magnolia</h2>
23          <p><b><i>Magnolia grandiflora</i></b>, commonly known
24                  as the <b>Southern magnolia</b> or <b>bull
25                  bay</b>, is a tree of the family Magnoliaceae
26                  native to the southeastern United States, from
27                  coastal Virginia south to central Florida, and
28                  west to eastern Texas and Oklahoma. Reaching
29                  27.5 m (90 ft) in height, it is a large
30                  striking evergreen tree with large dark green
31                  leaves and large white fragrant flowers. Widely
32                  cultivated around the world, over a hundred
33                  cultivars have been bred and marketed
34                  commercially. The timber is hard and heavy,
35                  and has been used commercially to make
36                  furniture, pallets, and veneer.
37          </p>
```

```
38        <h2>Ranunculus</h2>
39        <p><b><i>Ranunculus asiaticus (Persian Buttercup)</i></b>
40                is a species of buttercup (Ranunculus) native to
41                the eastern Mediterranean region in southwestern
42                Asia, southeastern Europe (Crete, Karpathos and
43                Rhodes), and northeastern Africa. It is a
44                herbaceous perennial plant growing to 45 cm tall,
45                with simple or branched stems. The basal leaves
46                are three-lobed, with leaves higher on the stems
47                more deeply divided; like the stems, they are
48                downy or hairy. The flowers are 3-5 cm diameter,
49                variably red to pink, yellow, or white, with one
50                to several flowers on each stem.
51        </p>
52        <h2>Tulip</h2>
53        <p><b><i>Tulipa gesneriana L. or "Didier's tulip"</i></b>
54                is a plant belonging to the family of Liliaceae.
55                This species has uncertain origins, possibly
56                from Asia, and has become naturalised in
57                south-west Europe. Most of the cultivated
58                species, subspecies and cultivars of tulip are
59                derived from Tulipa gesneriana. The flower and
60                bulb can cause dermatitis through the allergen,
61                tuliposide A, even though the bulbs may be
62                consumed with little ill-effect. The sweet-scented
63                bisexual flowers appear during April and May.
64                Bulbs are extremely resistant to frost, and can
65                tolerate temperatures well below freezing - a
66                period of low temperature is necessary to induce
67                proper growth and flowering, triggered by an
68                increase in sensitivity to the phytohormone auxin.
69                The bulbs may be dried and pulverised and added
70                to cereals or flour.
71        </p>
72    </body>
73 </html>
```

Planting Guide

Magnolia

Magnolia grandiflora, commonly known as the **Southern magnolia** or **bull bay**, is a tree of the family Magnoliaceae native to the southeastern United States, from coastal Virginia south to central Florida, and west to eastern Texas and Oklahoma. Reaching 27.5 m (90 ft) in height, it is a large striking evergreen tree with large dark green leaves and large white fragrant flowers. Widely cultivated around the world, over a hundred cultivars have been bred and marketed commercially. The timber is hard and heavy, and has been used commercially to make furniture, pallets, and veneer.

Ranunculus

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Tulip

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p414-background-attachment.html

```
1   <!DOCTYPE html>
2   <html>
3       <head>
4           <title>Background Attachment</title>
5           <style type="text/css">
6               body
7               {
8                   background-image: url("images/tulip.gif");
9                   background-repeat: no-repeat;
10                  background-attachment: fixed;
11                  color: ■#665544;
12                  padding: 20px;
13              }
14          </style>
15      </head>
```

```
16    <body>
17        <h1>Planting Guide</h1>
18        <h2>Magnolia</h2>
19        <p><b><i>Magnolia grandiflora</i></b>, commonly
20                    known as the <b>Southern magnolia</b>
21                    or <b>bull bay</b>, is a tree of the
22                    family Magnoliaceae native to the
23                    southeastern United States, from
24                    coastal Virginia south to central
25                    Florida, and west to eastern Texas
26                    and Oklahoma. Reaching 27.5 m (90 ft)
27                    in height, it is a large striking
28                    evergreen tree with large dark green
29                    leaves and large white fragrant flowers.
30                    Widely cultivated around the world, over
31                    a hundred cultivars have been bred and
32                    marketed commercially. The timber is hard
33                    and heavy, and has been used commercially
34                    to make furniture, pallets, and veneer.
35        </p>
36        <h2>Ranunculus</h2>
37        <p><b><i>Ranunculus asiaticus (Persian Buttercup)</i></b>
38                    is a species of buttercup (Ranunculus) native to
39                    the eastern Mediterranean region in southwestern
40                    Asia, southeastern Europe (Crete, Karpathos and
41                    Rhodes), and northeastern Africa. It is a
42                    herbaceous perennial plant growing to 45 cm tall,
43                    with simple or branched stems. The basal leaves
44                    are three-lobed, with leaves higher on the stems
45                    more deeply divided; like the stems, they are
46                    downy or hairy. The flowers are 3-5 cm diameter,
47                    variably red to pink, yellow, or white, with one
48                    to several flowers on each stem.
49        </p>
```

```
50          <h2>Tulip</h2>
51          <p><b><i>Tulipa gesneriana L. or "Didier's tulip"</i></b>
52                  is a plant belonging to the family of Liliaceae.
53                  This species has uncertain origins, possibly from
54                  Asia, and has become naturalised in south-west
55                  Europe. Most of the cultivated species, subspecies
56                  and cultivars of tulip are derived from Tulipa
57                  gesneriana. The flower and bulb can cause dermatitis
58                  through the allergen, tuliposide A, even though the
59                  bulbs may be consumed with little ill-effect.
60                  The sweet-scented bisexual flowers appear during
61                  April and May. Bulbs are extremely resistant to
62                  frost, and can tolerate temperatures well below
63                  freezing - a period of low temperature is necessary
64                  to induce proper growth and flowering, triggered by
65                  an increase in sensitivity to the phytohormone auxin.
66                  The bulbs may be dried and pulverised and added to
67                  cereals or flour.
68          </p>
69          <h2>Magnolia</h2>
70          <p><b><i>Magnolia grandiflora</i></b>, commonly known as the
71                  <b>Southern magnolia</b> or <b>bull bay</b>, is a
72                  tree of the family Magnoliaceae native to the
73                  southeastern United States, from coastal Virginia
74                  south to central Florida, and west to eastern Texas
75                  and Oklahoma. Reaching 27.5 m (90 ft) in height, it
76                  is a large striking evergreen tree with large dark
77                  green leaves and large white fragrant flowers.
78                  Widely cultivated around the world, over a hundred
79                  cultivars have been bred and marketed commercially.
80                  The timber is hard and heavy, and has been used
81                  commercially to make furniture, pallets, and
82                  veneer.
83          </p>
84          <h2>Ranunculus</h2>
85          <p><b><i>Ranunculus asiaticus (Persian Buttercup)</i></b> is
86                  a species of buttercup (Ranunculus) native to the
87                  eastern Mediterranean region in southwestern Asia,
88                  southeastern Europe (Crete, Karpathos and Rhodes),
89                  and northeastern Africa. It is a herbaceous
90                  perennial plant growing to 45 cm tall, with
91                  simple or branched stems. The basal leaves are
92                  three-lobed, with leaves higher on the stems more
93                  deeply divided; like the stems, they are downy or
94                  hairy. The flowers are 3-5 cm diameter, variably
95                  red to pink, yellow, or white, with one to several
96                  flowers on each stem.
97          </p>
```

```
 98         <h2>Tulip</h2>
 99         <p><b><i>Tulipa gesneriana L. or "Didier's tulip"</i></b> is
100                 a plant belonging to the family of Liliaceae. This
101                 species has uncertain origins, possibly from Asia,
102                 and has become naturalised in south-west Europe.
103                 Most of the cultivated species, subspecies and
104                 cultivars of tulip are derived from Tulipa
105                 gesneriana. The flower and bulb can cause
106                 dermatitis through the allergen, tuliposide A, even
107                 though the bulbs may be consumed with little
108                 ill-effect. The sweet-scented bisexual flowers appear
109                 during April and May. Bulbs are extremely resistant
110                 to frost, and can tolerate temperatures well below
111                 freezing - a period of low temperature is necessary
112                 to induce proper growth and flowering, triggered by
113                 an increase in sensitivity to the phytohormone auxin.
114                 The bulbs may be dried and pulverised and added to
115                 cereals or flour.
116         </p>
117         <h2>Magnolia</h2>
118         <p><b><i>Magnolia grandiflora</i></b>, commonly known as the
119                 <b>Southern magnolia</b> or <b>bull bay</b>, is a
120                 tree of the family Magnoliaceae native to the
121                 southeastern United States, from coastal Virginia
122                 south to central Florida, and west to eastern Texas
123                 and Oklahoma. Reaching 27.5 m (90 ft) in height,
124                 it is a large striking evergreen tree with large
125                 dark green leaves and large white fragrant flowers.
126                 Widely cultivated around the world, over a hundred
127                 cultivars have been bred and marketed commercially.
128                 The timber is hard and heavy, and has been used
129                 commercially to make furniture, pallets, and
130                 veneer.
131         </p>
132         <h2>Ranunculus</h2>
133         <p><b><i>Ranunculus asiaticus (Persian Buttercup)</i></b> is
134                 a species of buttercup (Ranunculus) native to the
135                 eastern Mediterranean region in southwestern Asia,
136                 southeastern Europe (Crete, Karpathos and Rhodes),
137                 and northeastern Africa. It is a herbaceous perennial
138                 plant growing to 45 cm tall, with simple or branched
139                 stems. The basal leaves are three-lobed, with leaves
140                 higher on the stems more deeply divided; like the
141                 stems, they are downy or hairy. The flowers are 3-5 cm
142                 diameter, variably red to pink, yellow, or white, with
143                 one to several flowers on each stem.
144         </p>
```
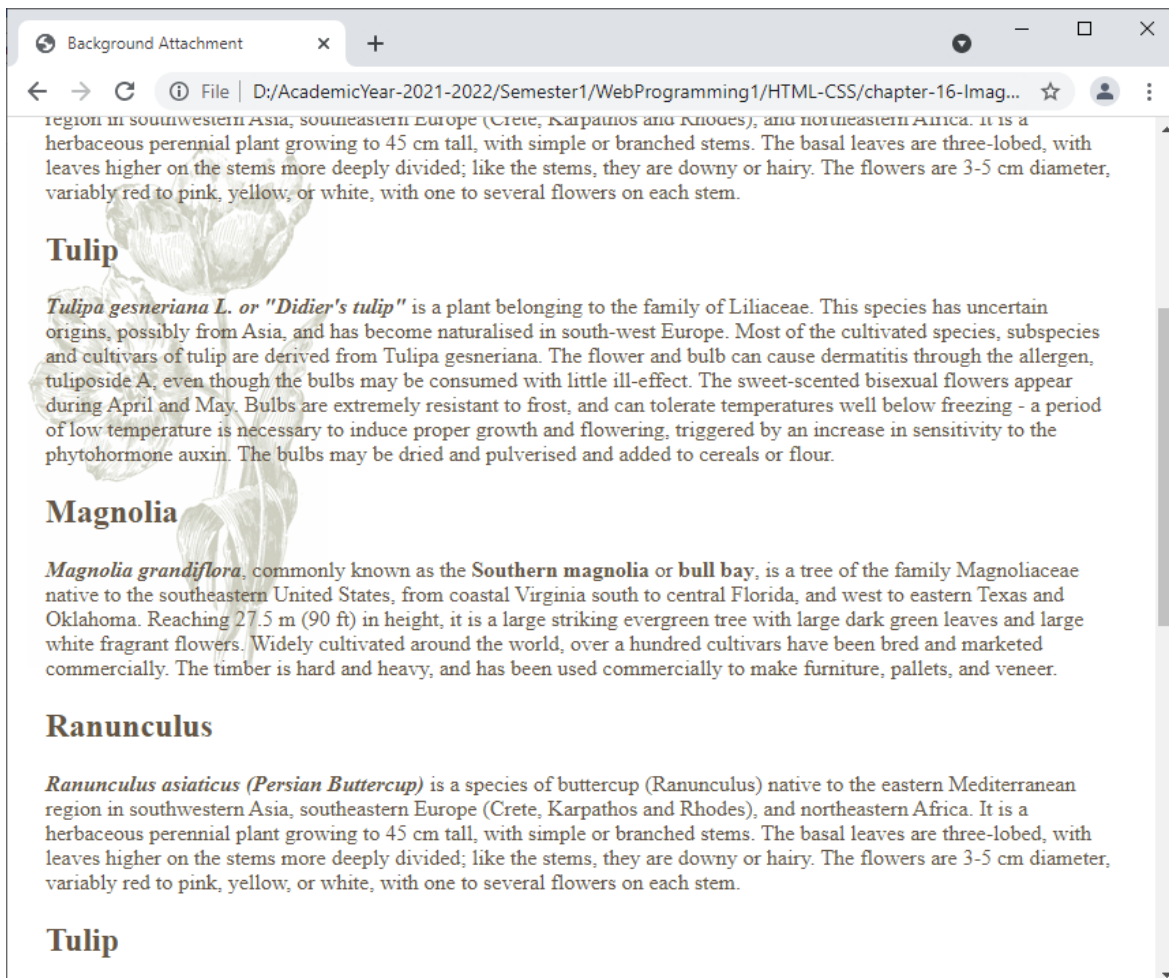
```
145        <h2>Tulip</h2>
146        <p><b><i>Tulipa gesneriana L. or "Didier's tulip"</i></b> is a
147                plant belonging to the family of Liliaceae. This
148                species has uncertain origins, possibly from Asia,
149                and has become naturalised in south-west Europe.
150                Most of the cultivated species, subspecies and
151                cultivars of tulip are derived from Tulipa
152                gesneriana. The flower and bulb can cause dermatitis
153                through the allergen, tuliposide A, even though the
154                bulbs may be consumed with little ill-effect.
155                The sweet-scented bisexual flowers appear during
156                April and May. Bulbs are extremely resistant to
157                frost, and can tolerate temperatures well below
158                freezing - a period of low temperature is necessary
159                to induce proper growth and flowering, triggered by
160                an increase in sensitivity to the phytohormone auxin.
161                The bulbs may be dried and pulverised and added to
162                cereals or flour.
163        </p>
164    </body>
165 </html>
```

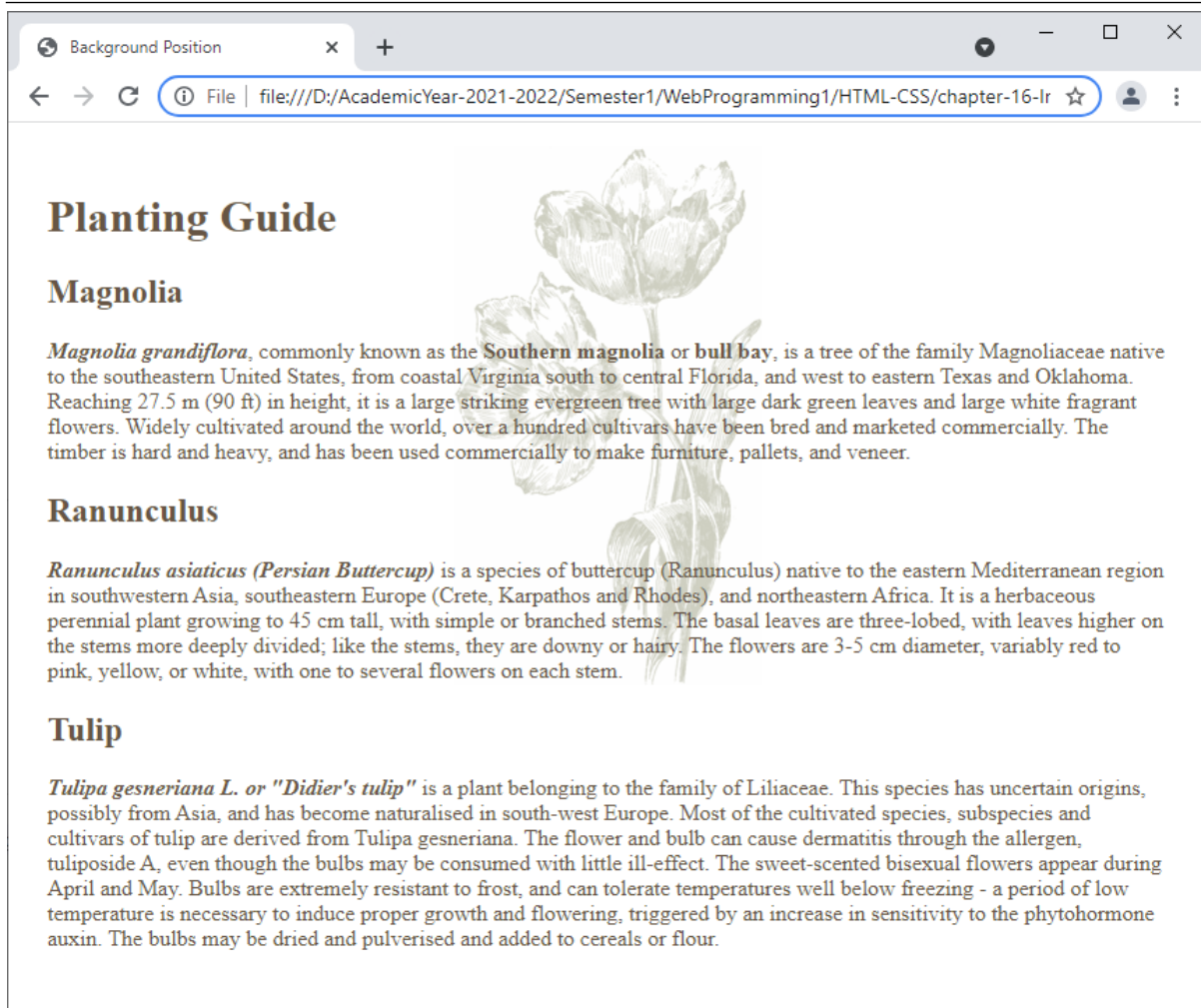# 6-Background Position (Page 415)

p415-background-position.html

```
1   <!DOCTYPE html>
2   <html>
3       <head>
4           <title>Background Position</title>
5           <style type="text/css">
6               body
7               {
8                   background-image: url("images/tulip.gif");
9                   background-repeat: no-repeat;
10                  background-position: center top;
11                  color: ■#665544;
12                  padding: 20px;
13              }
14          </style>
15      </head>
16      <body>
17          <h1>Planting Guide</h1>
18          <h2>Magnolia</h2>
19          <p><b><i>Magnolia grandiflora</i></b>, commonly known
20                  as the <b>Southern magnolia</b> or <b>bull
21                  bay</b>, is a tree of the family Magnoliaceae
22                  native to the southeastern United States,
23                  from coastal Virginia south to central Florida,
24                  and west to eastern Texas and Oklahoma.
25                  Reaching 27.5 m (90 ft) in height, it is a
26                  large striking evergreen tree with large dark
27                  green leaves and large white fragrant flowers.
28                  Widely cultivated around the world, over a
29                  hundred cultivars have been bred and marketed
30                  commercially. The timber is hard and heavy,
31                  and has been used commercially to make
32                  furniture, pallets, and veneer.
33          </p>
```

```
34          <h2>Ranunculus</h2>
35          <p><b><i>Ranunculus asiaticus (Persian Buttercup)</i></b>
36                  is a species of buttercup (Ranunculus) native to
37                  the eastern Mediterranean region in southwestern
38                  Asia, southeastern Europe (Crete, Karpathos and
39                  Rhodes), and northeastern Africa. It is a
40                  herbaceous perennial plant growing to 45 cm tall,
41                  with simple or branched stems. The basal leaves
42                  are three-lobed, with leaves higher on the stems
43                  more deeply divided; like the stems, they are
44                  downy or hairy. The flowers are 3-5 cm diameter,
45                  variably red to pink, yellow, or white, with one
46                  to several flowers on each stem.
47          </p>
48          <h2>Tulip</h2>
49          <p><b><i>Tulipa gesneriana L. or "Didier's tulip"</i></b> is
50                  a plant belonging to the family of Liliaceae. This
51                  species has uncertain origins, possibly from Asia,
52                  and has become naturalised in south-west Europe.
53                  Most of the cultivated species, subspecies and
54                  cultivars of tulip are derived from Tulipa
55                  gesneriana. The flower and bulb can cause dermatitis
56                  through the allergen, tuliposide A, even though the
57                  bulbs may be consumed with little ill-effect.
58                  The sweet-scented bisexual flowers appear during
59                  April and May. Bulbs are extremely resistant to frost,
60                  and can tolerate temperatures well below freezing - a
61                  period of low temperature is necessary to induce
62                  proper growth and flowering, triggered by an increase
63                  in sensitivity to the phytohormone auxin. The bulbs
64                  may be dried and pulverised and added to cereals
65                  or flour.
66          </p>
67      </body>
68 </html>
```

p415-background-position-percentage.html

```
1  <!DOCTYPE html>
2  <html>
3      <head>
4          <title>Background Position (Percentage)</title>
5          <style type="text/css">
6              body
7              {
8                  background-image: url("images/tulip.gif");
9                  background-repeat: no-repeat;
10                 background-position: 50% 50%;
11                 color: #665544;
12                 padding: 20px;
13             }
14         </style>
15     </head>
```

```
16      <body>
17          <h1>Planting Guide</h1>
18          <h2>Magnolia</h2>
19          <p><b><i>Magnolia grandiflora</i></b>, commonly known
20                  as the <b>Southern magnolia</b> or <b>bull
21                  bay</b>, is a tree of the family Magnoliaceae
22                  native to the southeastern United States,
23                  from coastal Virginia south to central Florida,
24                  and west to eastern Texas and Oklahoma.
25                  Reaching 27.5 m (90 ft) in height, it is a
26                  large striking evergreen tree with large dark
27                  green leaves and large white fragrant flowers.
28                  Widely cultivated around the world, over a
29                  hundred cultivars have been bred and marketed
30                  commercially. The timber is hard and heavy,
31                  and has been used commercially to make
32                  furniture, pallets, and veneer.
33          </p>
34          <h2>Ranunculus</h2>
35          <p><b><i>Ranunculus asiaticus (Persian Buttercup)</i></b>
36                  is a species of buttercup (Ranunculus) native to
37                  the eastern Mediterranean region in southwestern
38                  Asia, southeastern Europe (Crete, Karpathos and
39                  Rhodes), and northeastern Africa. It is a
40                  herbaceous perennial plant growing to 45 cm tall,
41                  with simple or branched stems. The basal leaves
42                  are three-lobed, with leaves higher on the stems
43                  more deeply divided; like the stems, they are
44                  downy or hairy. The flowers are 3-5 cm diameter,
45                  variably red to pink, yellow, or white, with one
46                  to several flowers on each stem.
47          </p>
48          <h2>Tulip</h2>
49          <p><b><i>Tulipa gesneriana L. or "Didier's tulip"</i></b> is
50                  a plant belonging to the family of Liliaceae. This
51                  species has uncertain origins, possibly from Asia,
52                  and has become naturalised in south-west Europe.
53                  Most of the cultivated species, subspecies and
54                  cultivars of tulip are derived from Tulipa
55                  gesneriana. The flower and bulb can cause dermatitis
56                  through the allergen, tuliposide A, even though the
57                  bulbs may be consumed with little ill-effect.
58                  The sweet-scented bisexual flowers appear during
59                  April and May. Bulbs are extremely resistant to frost,
60                  and can tolerate temperatures well below freezing - a
61                  period of low temperature is necessary to induce
```
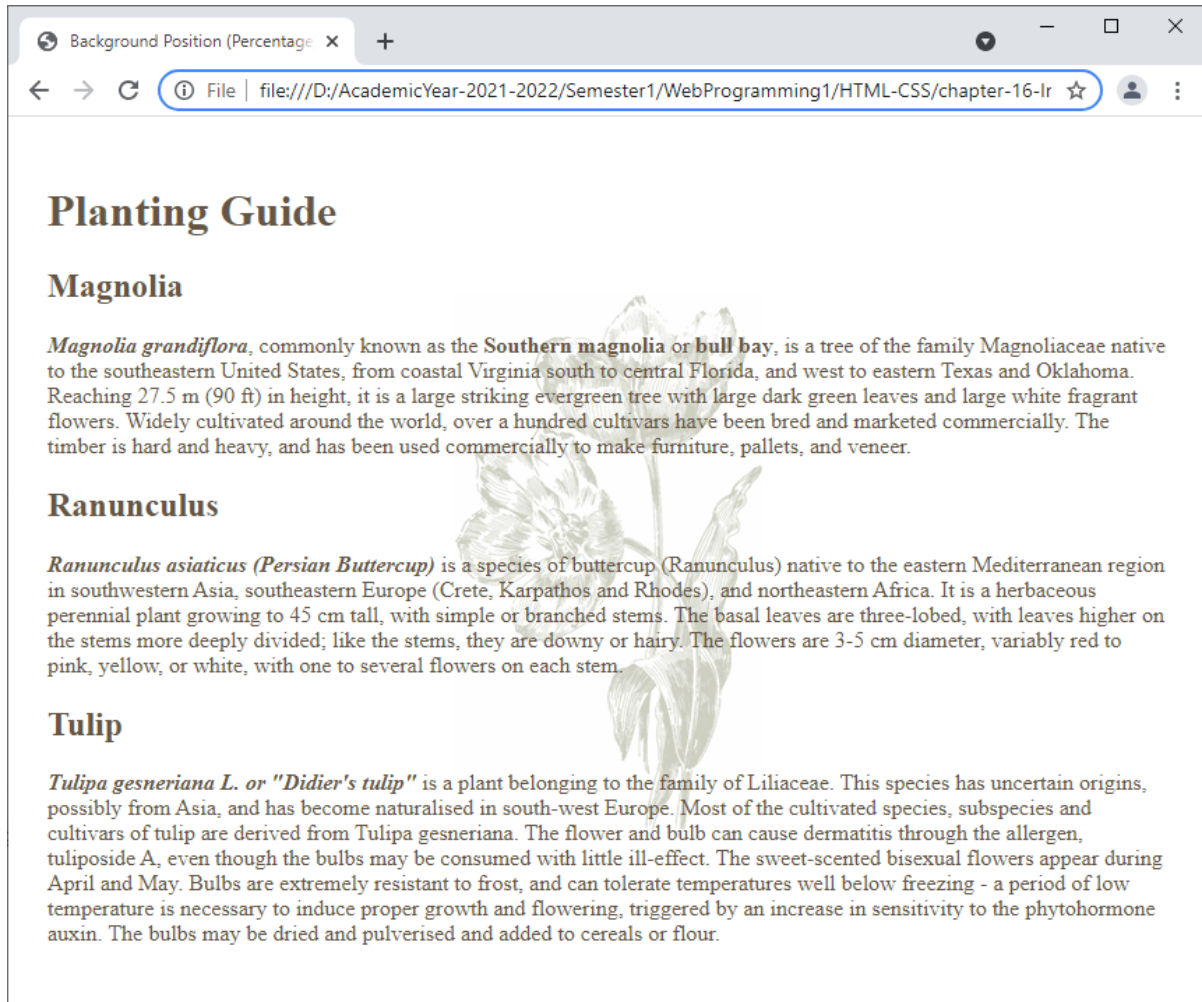
```
62              |   |   |        proper growth and flowering, triggered by an increase
63              |   |   |        in sensitivity to the phytohormone auxin. The bulbs
64              |   |   |        may be dried and pulverised and added to cereals
65              |   |   |        or flour.
66              |       </p>
67          </body>
68      </html>
```

Planting Guide

Magnolia

Magnolia grandiflora, commonly known as the **Southern magnolia** or **bull bay**, is a tree of the family Magnoliaceae native to the southeastern United States, from coastal Virginia south to central Florida, and west to eastern Texas and Oklahoma. Reaching 27.5 m (90 ft) in height, it is a large striking evergreen tree with large dark green leaves and large white fragrant flowers. Widely cultivated around the world, over a hundred cultivars have been bred and marketed commercially. The timber is hard and heavy, and has been used commercially to make furniture, pallets, and veneer.

Ranunculus

Ranunculus asiaticus (Persian Buttercup) is a species of buttercup (Ranunculus) native to the eastern Mediterranean region in southwestern Asia, southeastern Europe (Crete, Karpathos and Rhodes), and northeastern Africa. It is a herbaceous perennial plant growing to 45 cm tall, with simple or branched stems. The basal leaves are three-lobed, with leaves higher on the stems more deeply divided; like the stems, they are downy or hairy. The flowers are 3-5 cm diameter, variably red to pink, yellow, or white, with one to several flowers on each stem.

Tulip

Tulipa gesneriana L. or "Didier's tulip" is a plant belonging to the family of Liliaceae. This species has uncertain origins, possibly from Asia, and has become naturalised in south-west Europe. Most of the cultivated species, subspecies and cultivars of tulip are derived from Tulipa gesneriana. The flower and bulb can cause dermatitis through the allergen, tuliposide A, even though the bulbs may be consumed with little ill-effect. The sweet-scented bisexual flowers appear during April and May. Bulbs are extremely resistant to frost, and can tolerate temperatures well below freezing - a period of low temperature is necessary to induce proper growth and flowering, triggered by an increase in sensitivity to the phytohormone auxin. The bulbs may be dried and pulverised and added to cereals or flour.

7-Shorthand (Page 416)

p416-background-shorthand.html

```
1   <!DOCTYPE html>
2   <html>
3       <head>
4           <title>Background Shorthand</title>
5           <style type="text/css">
```

```
 6              body
 7              {
 8                  background: ☐#ffffff url("images/tulip.gif")
 9                              no-repeat top right;
10                  color: ■#665544;
11                  padding: 20px;
12              }
13          </style>
14      </head>
15      <body>
16          <h1>Planting Guide</h1>
17          <h2>Magnolia</h2>
18          <p><b><i>Magnolia grandiflora</i></b>, commonly known
19                  as the <b>Southern magnolia</b> or <b>bull
20                  bay</b>, is a tree of the family Magnoliaceae
21                  native to the southeastern United States,
22                  from coastal Virginia south to central Florida,
23                  and west to eastern Texas and Oklahoma.
24                  Reaching 27.5 m (90 ft) in height, it is a
25                  large striking evergreen tree with large dark
26                  green leaves and large white fragrant flowers.
27                  Widely cultivated around the world, over a
28                  hundred cultivars have been bred and marketed
29                  commercially. The timber is hard and heavy,
30                  and has been used commercially to make
31                  furniture, pallets, and veneer.
32          </p>
33          <h2>Ranunculus</h2>
34          <p><b><i>Ranunculus asiaticus (Persian Buttercup)</i></b>
35                  is a species of buttercup (Ranunculus) native to
36                  the eastern Mediterranean region in southwestern
37                  Asia, southeastern Europe (Crete, Karpathos and
38                  Rhodes), and northeastern Africa. It is a
39                  herbaceous perennial plant growing to 45 cm tall,
40                  with simple or branched stems. The basal leaves
41                  are three-lobed, with leaves higher on the stems
42                  more deeply divided; like the stems, they are
43                  downy or hairy. The flowers are 3-5 cm diameter,
44                  variably red to pink, yellow, or white, with one
45                  to several flowers on each stem.
46          </p>
47          <h2>Tulip</h2>
48          <p><b><i>Tulipa gesneriana L. or "Didier's tulip"</i></b> is
49                  a plant belonging to the family of Liliaceae. This
50                  species has uncertain origins, possibly from Asia,
51                  and has become naturalised in south-west Europe.
52                  Most of the cultivated species, subspecies and
53                  cultivars of tulip are derived from Tulipa
```
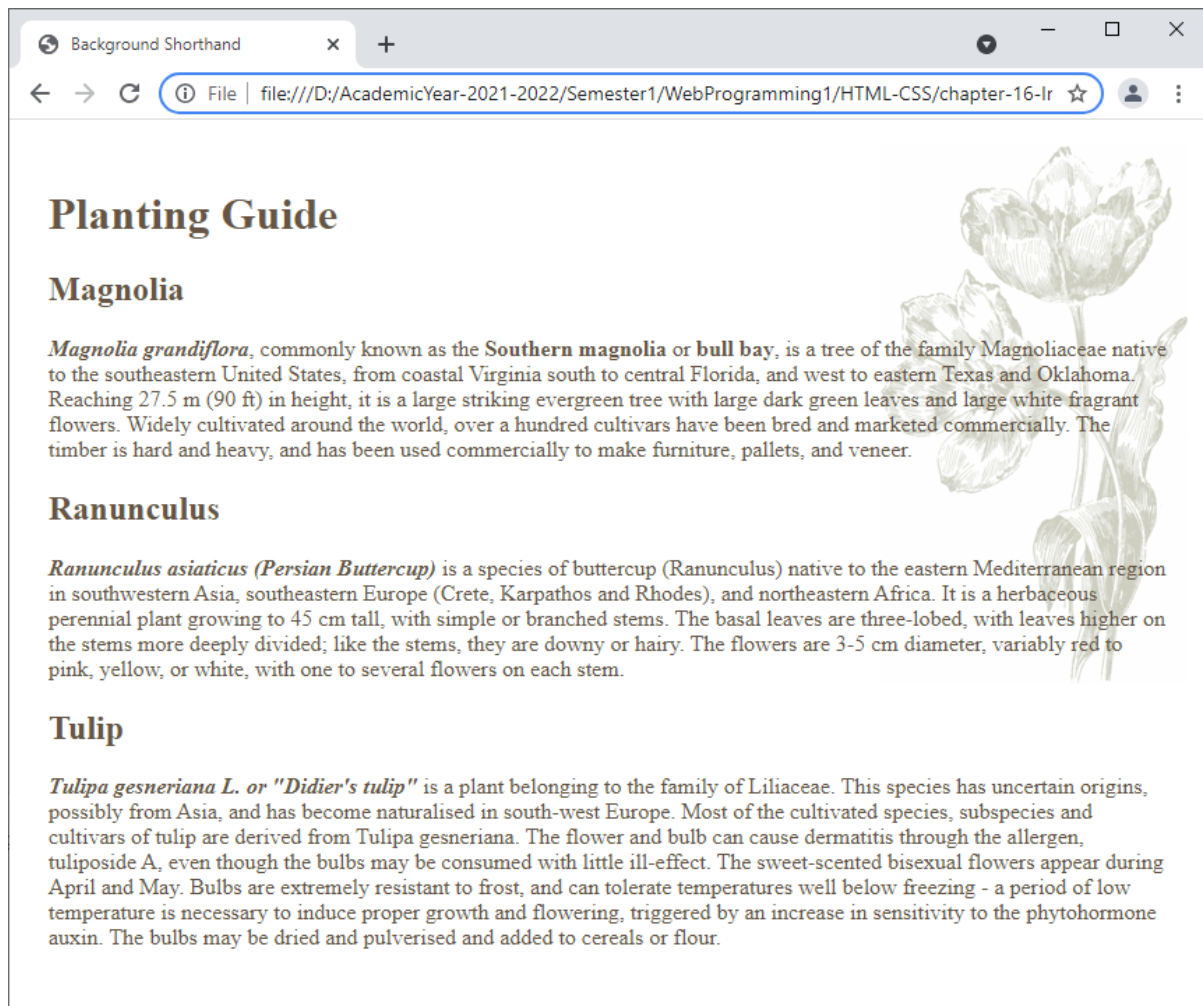
```
54                    gesneriana. The flower and bulb can cause dermatitis
55                    through the allergen, tuliposide A, even though the
56                    bulbs may be consumed with little ill-effect.
57                    The sweet-scented bisexual flowers appear during
58                    April and May. Bulbs are extremely resistant to frost,
59                    and can tolerate temperatures well below freezing - a
60                    period of low temperature is necessary to induce
61                    proper growth and flowering, triggered by an increase
62                    in sensitivity to the phytohormone auxin. The bulbs
63                    may be dried and pulverised and added to cereals
64                    or flour.
65              </p>
66        </body>
67  </html>
```

8-Image Rollovers & Sprites (Page 417)

p417-image-rollovers-and-sprites.html
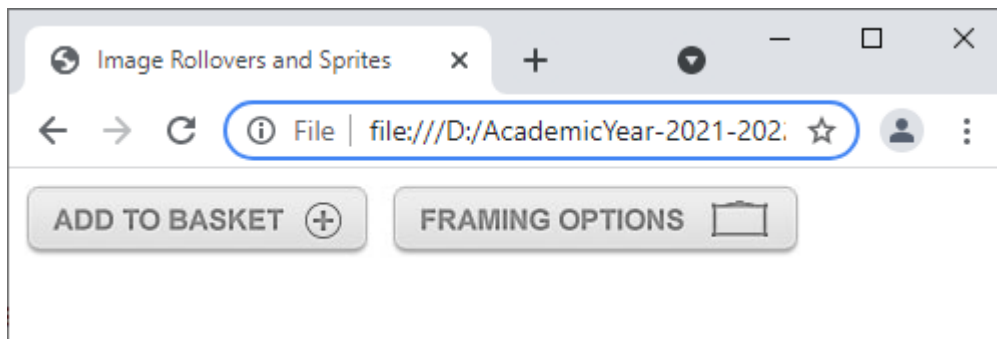
```
 1  <!DOCTYPE html>
 2  <html>
 3      <head>
 4          <title>Image Rollovers and Sprites</title>
 5          <style type="text/css">
 6              a.button
 7              {
 8                  height: 36px;
 9                  background-image: url("images/button-sprite.jpg");
10                  text-indent: -300px;
11                  display: inline-block;
12              }
13
14              a#add-to-basket
15              {
16                  width: 174px;
17                  background-position: 0px 0px;
18              }
19
20              a#framing-options
21              {
22                  width: 210px;
23                  background-position: -175px 0px;
24              }
25
26              a#add-to-basket:hover
27              {
28                  background-position: 0px -40px;
29              }
30
31              a#framing-options:hover
32              {
33                  background-position: -175px -40px;
34              }
35
36              a#add-to-basket:active
37              {
38                  background-position: 0px -80px;
39              }
40
```

```
41                  a#framing-options:active
42                  {
43                      background-position: -175px -80px;
44                  }
45              </style>
46          </head>
47          <body>
48              <a class="button" id="add-to-basket">Add to basket</a>
49              <a class="button" id="framing-options">Framing options</a>
50          </body>
51      </html>
```


9-CSS3: Gradients (Page 419)

p419-gradient.html

```html
1   <!DOCTYPE html>
2   <html>
3       <head>
4           <title>Gradient</title>
5           <style type="text/css">
6               #gradient
7               {
8                   /* fallback color */
9                   background-color: #66cccc;
10
11                  /* fallback image */
12                  background-image: url("images/fallback-image.png");
13
14                  /* Firefox 3.6+ */
15                  background-image: -moz-linear-gradient(red, green);
16
17                  /* Safari 4+, Chrome 1+ */
18                  background-image: -webkit-gradient(linear, 0% 0%, 0% 100%,
19                                   from(red), to(green));
```

```
20
21                        /* Safari 5.1+, Chrome 10+ */
22                        background-image: -webkit-linear-gradient(█red, █green);
23
24                        /* Opera 11.10+ */
25                        background-image: -o-linear-gradient(█red, █green);
26
27                        height: 550px;
28                        width: 1000px;
29                    }
30              </style>
31          </head>
32          <body>
33              <div id="gradient">
34              </div>
35          </body>
36      </html>
```

10-Contrast of Background Images (Page 420)

11-Example (Page 422)

p423-example.html

```
 1   <!DOCTYPE html>
 2   <html>
 3       <head>
 4           <title>Images</title>
 5           <style type="text/css">
 6               body
 7               {
 8                   color:    #665544;
 9                   background-color:   #d4d0c6;
10                   background-image: url("images/backdrop.gif");
11                   font-family: Georgia, "Times New Roman", serif;
12                   text-align: center;
13               }
14
15               .wrapper
16               {
17                   width: 720px;
18                   margin: 0px auto;
19               }
20
21               .header
22               {
23                   margin: 40px 0px 20px 0px;
24               }
25
26               .entry
27               {
28                   width: 220px;
29                   float: left;
30                   margin: 10px;
31                   height: 198px;
32                   background-image: url("images/shadow.png");
33                   background-repeat: no-repeat;
34                   background-position: bottom;
35               }
36
```
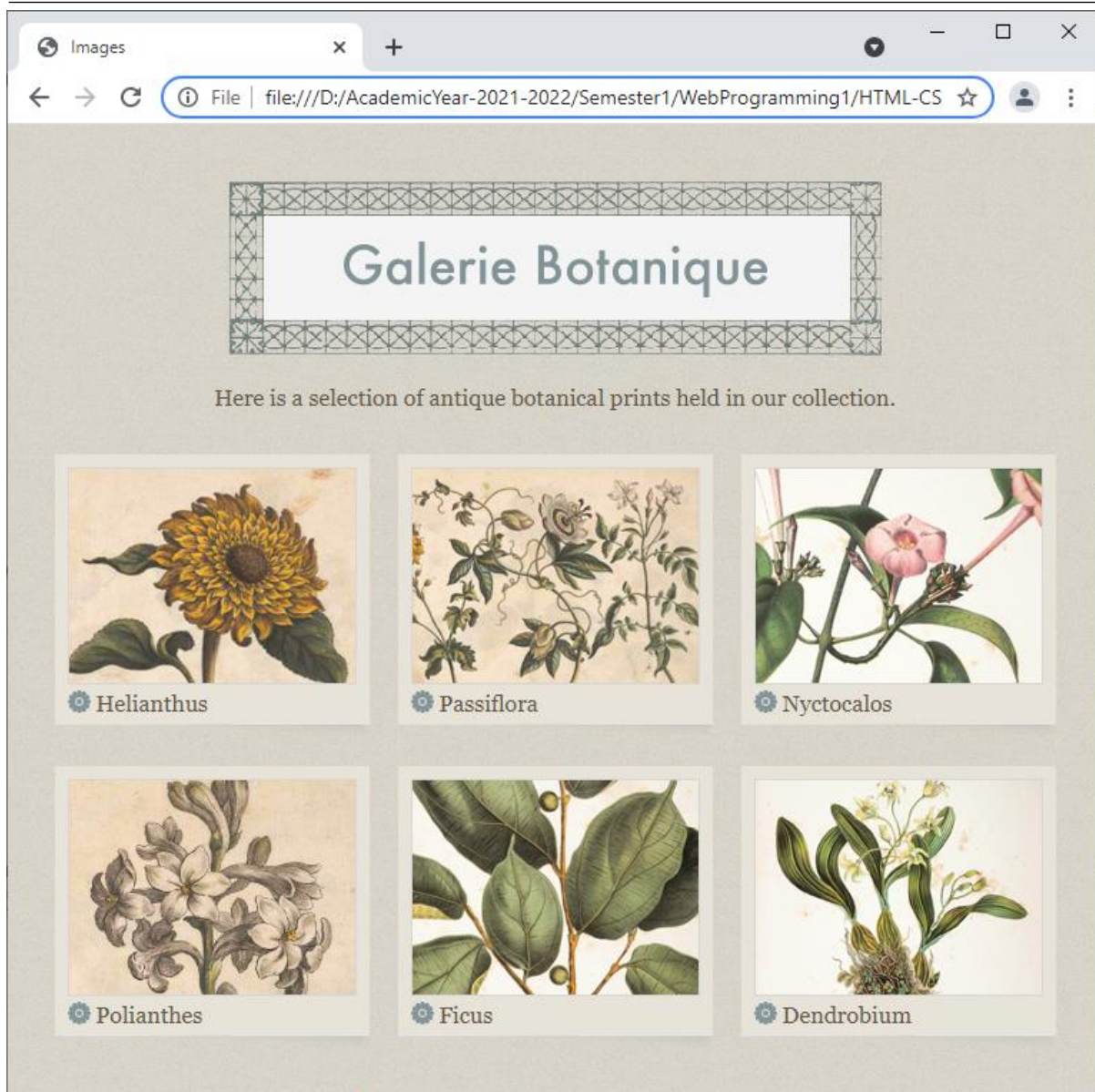
```
37            figure
38            {
39                display: block;
40                width: 202px;
41                height: 170px;
42                background-color: ☐#e7e3d8;
43                margin: 0;
44                padding: 9px;
45                text-align: left;
46            }
47
48            figure img
49            {
50                width: 200px;
51                height: 150px;
52                border: 1px solid ☐#d6d6d6;
53            }
54
55            figcaption
56            {
57                background-image: url("images/icon.png");
58                padding-left: 20px;
59                background-repeat: no-repeat;
60            }
61        </style>
62    </head>
63    <body>
64        <div class="wrapper">
65            <div class="header">
66                <img src="images/title.gif" alt="Galerie Botanique"
67                    width="456" height="122" />
68                <p>Here is a selection of antique botanical prints
69                  held in our collection.
70                </p>
71            </div>
72            <div class="entry">
73                <figure><img src="images/print-01.jpg" alt="Helianthus" />
74                    <figcaption>Helianthus</figcaption>
75                </figure>
76            </div>
77            <div class="entry">
78                <figure><img src="images/print-02.jpg" alt="Passiflora" />
79                    <figcaption>Passiflora</figcaption>
80                </figure>
81            </div>
```

```
82                        <div class="entry">
83                            <figure><img src="images/print-03.jpg" alt="Nyctocalos" />
84                                <figcaption>Nyctocalos</figcaption>
85                            </figure>
86                        </div>
87                        <div class="entry">
88                            <figure><img src="images/print-04.jpg" alt="Polianthes" />
89                                <figcaption>Polianthes</figcaption>
90                            </figure>
91                        </div>
92                        <div class="entry">
93                            <figure><img src="images/print-05.jpg" alt="Ficus" />
94                                <figcaption>Ficus</figcaption>
95                            </figure>
96                        </div>
97                        <div class="entry">
98                            <figure><img src="images/print-06.jpg" alt="Dendrobium" />
99                                <figcaption>Dendrobium</figcaption>
100                           </figure>
101                       </div>
102                   </div>
103               </body>
104           </html>
```

12-Summary (Page 426)