

# <activity05/>

During Class

To submit this activity, you will create a zip (.zip) file

[netid\\_Activity05\\_catalog\\_flowers\\_bootstrap.zip](#)

containing the next files:

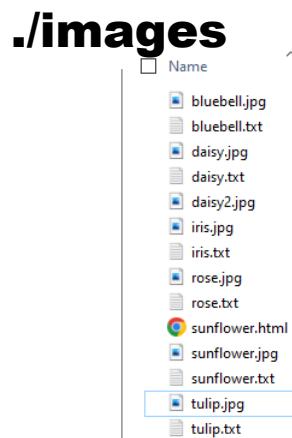
[netId\\_Activity05\\_catalog\\_flowers\\_bootstrap.html](#)

Folder: [images](#)

# First :

Download from Canvas the images provided by the professor and copy them to a folder **./images** inside the folder where you are creating this **Activity**.

The folder “images” contains a list of images of flowers and a list of files with text describing every flower:



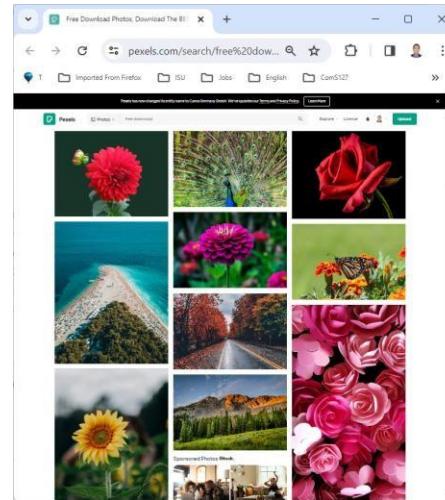
Keep the directory structure  
shown in the left:

There are many sites on internet where you can obtain free images.

## Second :

Visit the next link and download one extra image of one flower :

<https://www.pexels.com/search/free%20download/>



When the image is a high-quality file, it is recommended to use a tool to reduce the image size for better performance in the Web:

Some online tools used to reduce the image size are the next:

And write or search a description of your new flower



<https://tinypng.com/>



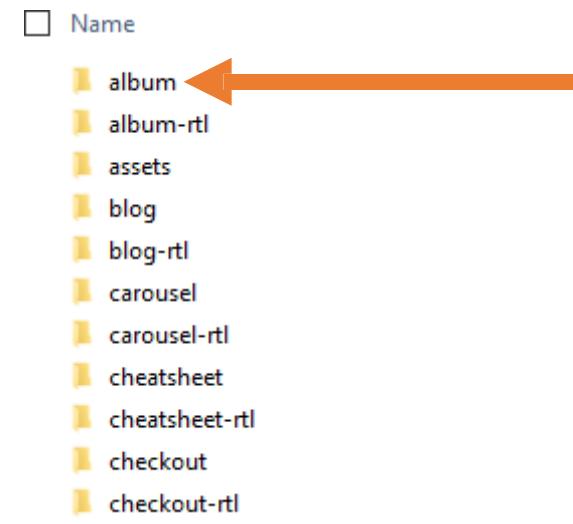
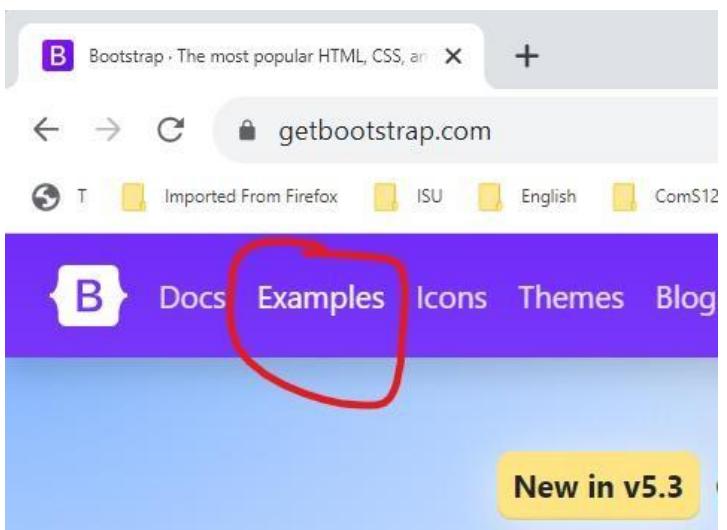
<https://tinyjpg.com/>

### Third :



Download from Bootstrap the free Examples and extract the file in your computer.

<https://getbootstrap.com/>

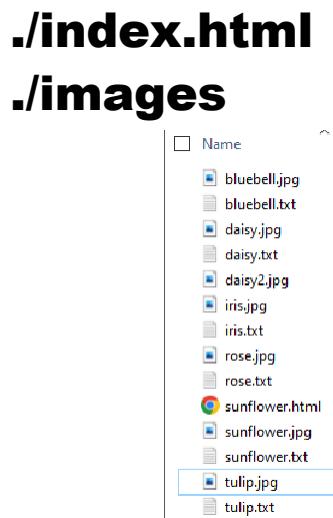


Select **ALBUM** from the list of Examples.  
Inside the folder there is only one single HTML:



Move the **index.html** from **ALBUM** to your working directory.

Open the index.html file with Visual Studio Code and add to the index.html file the CDN CSS Bootstrap shown in previous class:



After moving/copying the index.html file to your working directory, it will be in a folder that contains the folder images with the flowers.

# Copy CDN via jsDelivr to your **index.html**

CDN



Content Delivery Network

<https://getbootstrap.com/> > Docs > Download > CDN via jsDelivr:

Paste it  
before title:

```
index.html > html > head
1  <!doctype html>
2  <html lang="en" data-bs-theme="auto">
3    <head><script src="../assets/js/color-modes.js"></script>
4
5    <meta charset="utf-8">
6    <meta name="viewport" content="width=device-width, initial-scale=1">
7    <meta name="description" content="">
8    <meta name="author" content="Mark Otto, Jacob Thornton, and Bootstrap contributors">
9    <meta name="generator" content="Hugo 0.118.2">
10
11   <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css" rel='stylesheet'
12     <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/js/bootstrap.bundle.min.js"
13
14   <title>Album example · Bootstrap v5.3</title>
15
```

Open **ALBUM**  
and explore the  
elements in the  
Web page.

Album example

Something short and leading about the collection below—its contents, the creator, etc. Make it short and sweet, but not too short so folks don't simply skip over it entirely.

Main call to action Secondary action

This is a wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.  
View Edit 9 mins

This is a wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.  
View Edit 9 mins

This is a wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.  
View Edit 9 mins

This is a wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.  
View Edit 9 mins

This is a wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.  
View Edit 9 mins

This is a wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.  
View Edit 9 mins

This is a wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.  
View Edit 9 mins

This is a wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.  
View Edit 9 mins

Album example is © Bootstrap, but please download and customize it for yourself!  
New to Bootstrap? [Visit the homepage](#) or read our [getting started guide](#).

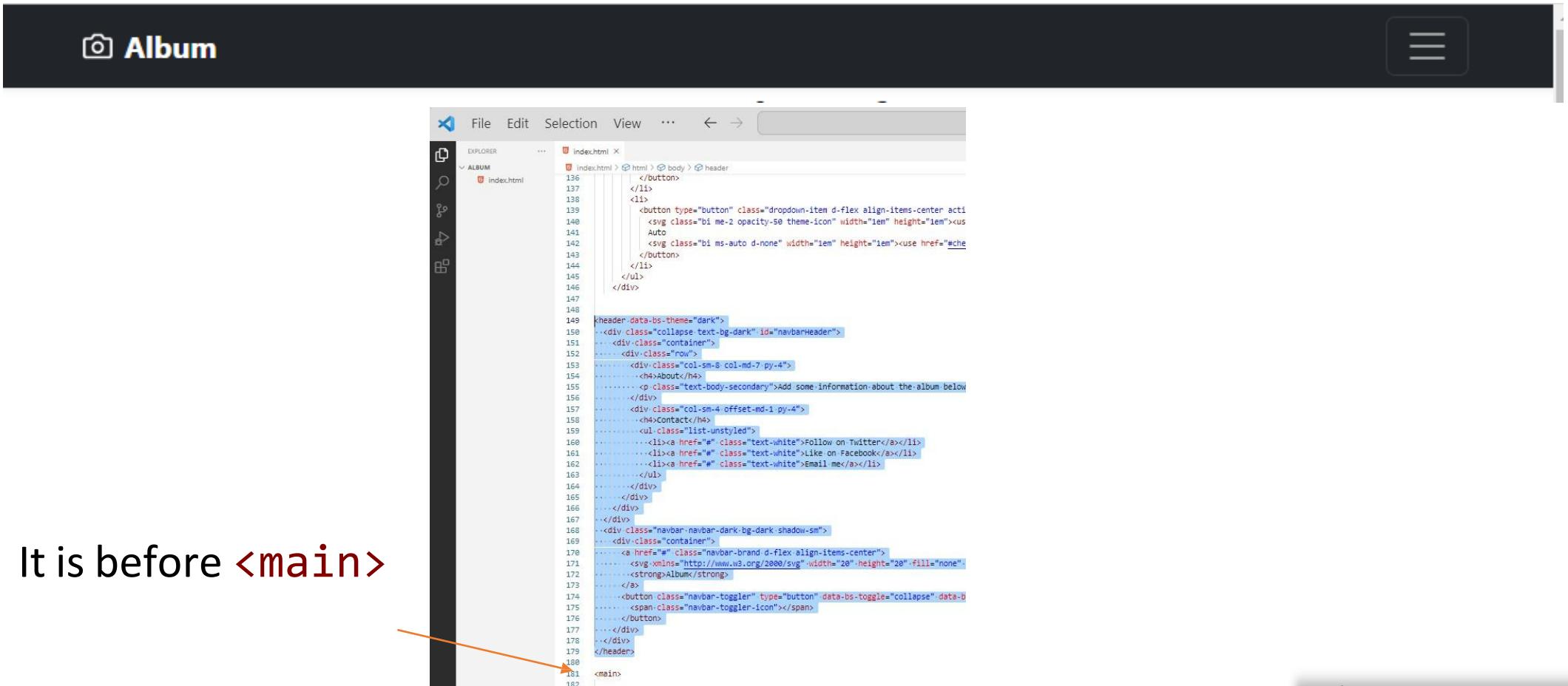
[Back to top](#)



## Fourth :

Explore the structure of the **index.html** – Observe the Containers:

Find the code of the Navigation Bar:



The screenshot shows a browser window with a dark theme displaying the word "Album" and a navigation bar icon. Below it is the VS Code interface. The Explorer sidebar shows a folder named "ALBUM" containing an "index.html" file. The main area displays the content of "index.html". An orange arrow points from the text "It is before <main>" to the opening tag of the <main> element in the code.

```
File Edit Selection View ... ← →
EXPLORER ALBUM index.html ...
136     </button>
137   </li>
138   <li>
139     <button type="button" class="dropdown-item d-flex align-items-center acti
140       <svg class="bi me-2 opacity-50 theme-icon" width="1em" height="1em">us
141       Auto
142       <svg class="bi ms-auto d-none" width="1em" height="1em"><use href="#che
143     </button>
144   </li>
145 </ul>
146 </div>
147
148 <header data-bs-theme="dark">
149   <div class="collapse text-bg-dark" id="navbarHeader">
150     <div class="container">
151       <div class="row">
152         <div class="col-sm-8 col-md-7 py-4">
153           <h4>About</h4>
154           <p class="text-body-secondary">Add some information about the album below</p>
155         </div>
156         <div class="col-sm-4 offset-md-1 py-4">
157           <h4>Contact</h4>
158           <ul class="list-unstyled">
159             <li><a href="#" class="text-white">Follow on Twitter</a></li>
160             <li><a href="#" class="text-white">Like on Facebook</a></li>
161             <li><a href="#" class="text-white">Email me</a></li>
162           </ul>
163         </div>
164       </div>
165     </div>
166   </div>
167 </div>
168 <div class="navbar navbar-dark bg-dark shadow-sm">
169   <div class="container">
170     <a href="#" class="navbar-brand d-flex align-items-center">
171       <img alt="Album logo" data-bbox="170 170 200 200" width="20" height="20" fill="none" style="vertical-align: middle;"/>
172       <strong>Album</strong>
173     </a>
174     <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-b
175       <span class="navbar-toggler-icon"></span>
176     </button>
177   </div>
178 </div>
179 </header>
180 <main>
181
182
```

It is before <main>

# Find the code of the section <section> ... </section>

## Album example

Something short and leading about the collection below—its contents, the creator, etc. Make it short and sweet, but not too short so folks don't simply skip over it entirely.

Main call to action

Secondary action

Comment this section out.

We don't need this output.

Or delete it

```
180
181 <main>
182
183   <section class="py-5 text-center container">
184     <div class="row py-lg-5">
185       <div class="col-lg-6 col-md-8 mx-auto">
186         <h1 class="fw-light">Album example</h1>
187         <p class="lead text-body-secondary">Something short and leading about
188           <p>
189             <a href="#" class="btn btn-primary my-2">Main call to action</a>
190             <a href="#" class="btn btn-secondary my-2">Secondary action</a>
191           </p>
192         </div>
193       </div>
194     </section>
195
196   <div class="album py-5 bg-body-tertiary">
```

You can find “Album example”

# Add a Section to your Web page:

```
<section>
  <h1 style="text-align: center;">Here is a Header of Activity05 </h1>
</section>
```

Add it after  
<main>:

```
181
182  <main>
183
184    <section>
185      <h1 style="text-align: center;">Here is a Header of Activity05 </h1>
186    </section>
187
188
189    <div class="album py-5 bg-body-tertiary">
190      <div class="container">
191
192        <div class="row row-cols-1 row-cols-sm-2 row-cols-md-3 g-3">
```

Album example - Bootstrap v5.3

File C:/Users/sarfa/OneDrive/Desktop/ISU\_Fall2025/Spring%202026/COMS%20SE%203190%20S...

Album

## Here is a Header of Activity05

This is a wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.

This is a wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.

This is a wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.

This is a wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.

This is a wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.

This is a wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.

This is a wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.

This is a wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.

Album example is © Bootstrap, but please download and customize it for yourself!

New to Bootstrap? [Visit the homepage](#) or read our [getting started guide](#).

[Back to top](#)

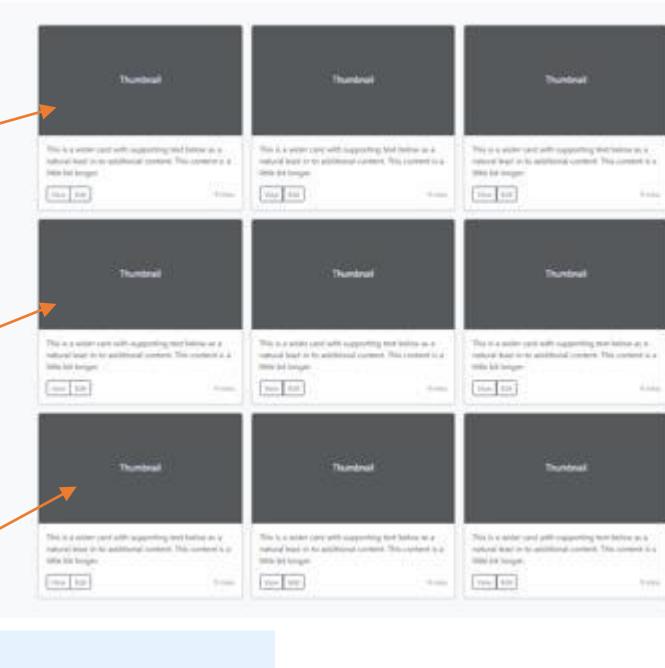
Sarfraz Ahmed Mohammed, Ph.D.  
Ali Jannesari, Ph.D.

# Collapse every `div class col`

```
<div class="col"> ...  
</div>
```

Here, you will understand the functioning of containers of the Catalog of Products page

```
<div class="album py-5 bg-light">  
  <div class="container">  
  
    <div class="row row-cols-1 row-cols-sm-2 row-cols-...>  
      <div class="col">...</div>  
      <div class="col">...</div>  
      <div class="col">...</div>  
      <div class="col">...</div>  
  
      <div class="col">...</div>  
      <div class="col">...</div>  
      <div class="col">...</div>  
  
      <div class="col">...</div>  
      <div class="col">...</div>  
      <div class="col">...</div>  
  
      <div class="col">...</div>  
      <div class="col">...</div>  
      <div class="col">...</div>  
  
    </div>  
  </div>  
  </div>  
  
<main>  
  
<footer class="text-muted py-5">  
  <div class="container">
```



## Fifth :

Modify **index.html**:

1.- Comment out the last 3

Or delete  
them

```
<div class="col"> ...
</div>
```

2.- You have only 6 **div** for the 6 flowers :

```
<div class="row row-cols-1 row-cols-sm-2 row-cols-md-3 g-3">
  <div class="col">...
  </div>
  <div class="col">...
  </div>
  <div class="col">...
  </div>

  <div class="col">...
  </div>
  <div class="col">...
  </div>
  <div class="col">...
  </div>

  <!-- <div class="col">...
  </div>
```

```
191     <div class="row row-cols-1 row-cols-sm-2 row-cols-md-3 g-3">
192       <div class="col">...
206       </div>
207     <div class="col">...
221       </div>
222     <div class="col">...
236       </div>
237
238     <div class="col">...
252       </div>
253     <div class="col">...
267       </div>
268     <div class="col">...
282       </div>
283
284     <div class="col">...
298       </div>
299     <div class="col">...
313       </div>
314     <div class="col">...
328       </div>
329     </div>
330   </div>
331 </div>
~~~
```

Watch out when  
comment out or  
delete  
**<div>**  
**</div>**

Only 6  
container for 6  
flowers.

Album example - Bootstrap v5.3

File C:/Users/sarfa/OneDrive/Desktop/ISU\_Fall2025/Spring%202026/CO... Bookmarks Welcome To TRANS... Google Google Accounts Author Information... Confirmation Page All Bookmarks

## Album

### Here is a Header of Activity05

Thumbnail

This is a wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.

View Edit 9 mins

Thumbnail

This is a wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.

View Edit 9 mins

Thumbnail

This is a wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.

View Edit 9 mins

Thumbnail

This is a wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.

View Edit 9 mins

Thumbnail

This is a wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.

View Edit 9 mins

Thumbnail

This is a wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.

View Edit 9 mins

Album example is © Bootstrap, but please download and customize it for yourself!

New to Bootstrap? [Visit the homepage](#) or read our [getting started guide](#).

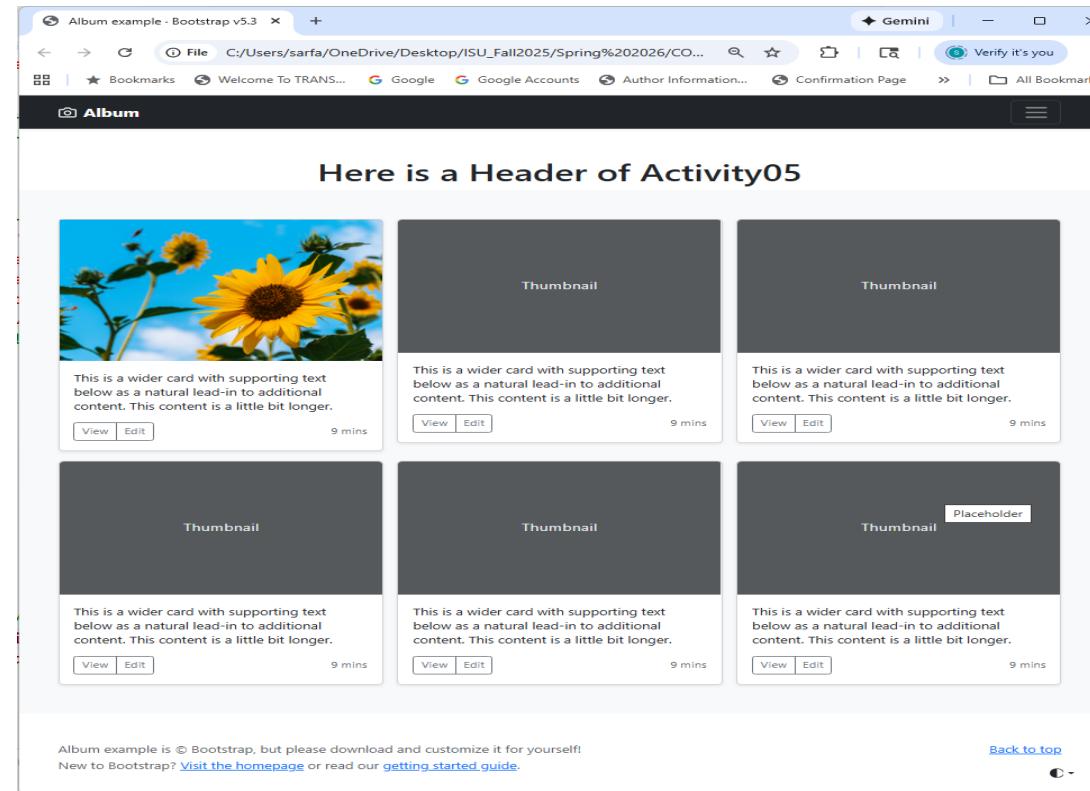
[Back to top](#)



3.- Comment out the `<svg ... </svg>` tag and add the image of a flower :

```
<div class="card shadow-sm">
  <!-- <svg class="bd-placeholder-img card-img-top" width="100%" height="220" alt="Placeholder image" preserveAspectRatio="xMidYMid slice" focusable="false"><title>Placeholder</title><rect width="100%" height="100%" x="50%" y="50%" fill="#eceeef" dy=".3em">Something here</text></svg> -->
  
```

Or  
delete it



#### 4.- Copy the text related to the chosen flower and paste to the paragraph:

Highlight  
the flower  
name.

<p class="card-text">The common **sunflower** (Helianthus annuus) is a large annual forb of the genus Helianthus. It is commonly grown as a crop for its edible oily seeds

<div class="d-flex justify-content-between align-items-center">



The common **sunflower** (Helianthus annuus) is a large annual forb of the genus Helianthus. It is commonly grown as a crop for its edible oily seeds

View

Edit

9 mins



Repeat the process for the 6 flowers ...

Observe the  
final Catalog of  
Products

Album example - Bootstrap v5.3 + Gemini - X

File C:/Users/sarfa/OneDrive/Desktop/ISU\_Fall202... Verify it's you

Bookmarks Welcome To TRANS... Google Google Accounts Author Information... All Bookmarks

Album

### Here is a Header of Activity05

The common **Sunflower** (*Helianthus annuus*) is a large annual forb of the genus *Helianthus*. It is commonly grown as a crop for its edible oily seeds.

A rose is either a woody perennial flowering plant of the genus *Rosa*, in the family Rosaceae, or the flower it bears.

Tulips (*Tulipa*) are a genus of spring-flowering perennial herbaceous bulbiferous geophytes (having bulbs as storage organs). The flowers are usually large, showy and brightly coloured, generally red, pink, yellow, or white (usually in warm colours).

*Leucanthemum vulgare*, commonly known as the ox-eye daisy, oxeye daisy, dog daisy, marguerite (French: Marguerite commune, "common marguerite") and other common names,[2] is a widespread flowering plant native to Europe and the temperate regions of Asia, and an introduced plant to North America, Australia and New Zealand.

This is a wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.

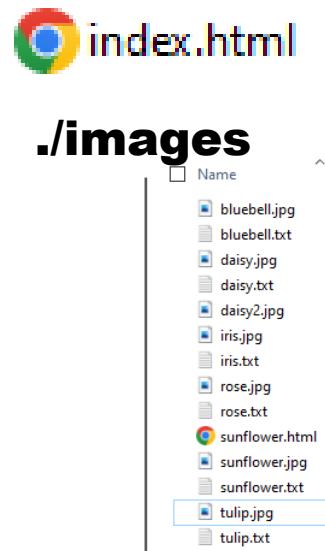
A leaf is the primary photosynthetic organ of a vascular plant, usually a thin, flattened, green structure attached to a stem by a petiole.

Album example is © Bootstrap, but please download and customize it for yourself!  
New to Bootstrap? [Visit the homepage](#) or read our [getting started guide](#).

[Back to top](#)

# **Finally:**

Prepare a zip file containing the next files :



Name the file: [netid\\_Activity05\\_catalog\\_flowers\\_bootstrap.zip](#)