

Practice Develop a Responsive Web Page Using Bootstrap

Practice Exercise

- Create a Responsive Web Page for Pixel Photography



Bootstrap Framework

Add Bootstrap to HTML File

- Following are the steps to include bootstrap from a CDN (Content Delivery Network):
 - Open index.html file.
 - Add the following <link> tag inside the <head> tag of the HTML file for including Bootstrap CSS.
`<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/css/bootstrap.min.css">`
 - Add the following <script> tag for including Bootstrap JavaScript bundles before the closing </body> tag.
`<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/js/bootstrap.min.js" />`

Note: For additional information on detailed steps to include Bootstrap to an existing web page, click [here](#).

An illustration of a woman with dark hair and glasses, wearing a red top, and a man with brown hair and glasses, wearing a yellow top. They are sitting at a light blue desk, looking at a large blue computer monitor. The woman is holding a yellow clipboard. On the desk, there is a white coffee cup with a red lid, a yellow pencil, and a red pencil. The background is a light green wall with some abstract shapes and a large green plant on the right side.

PRACTICE

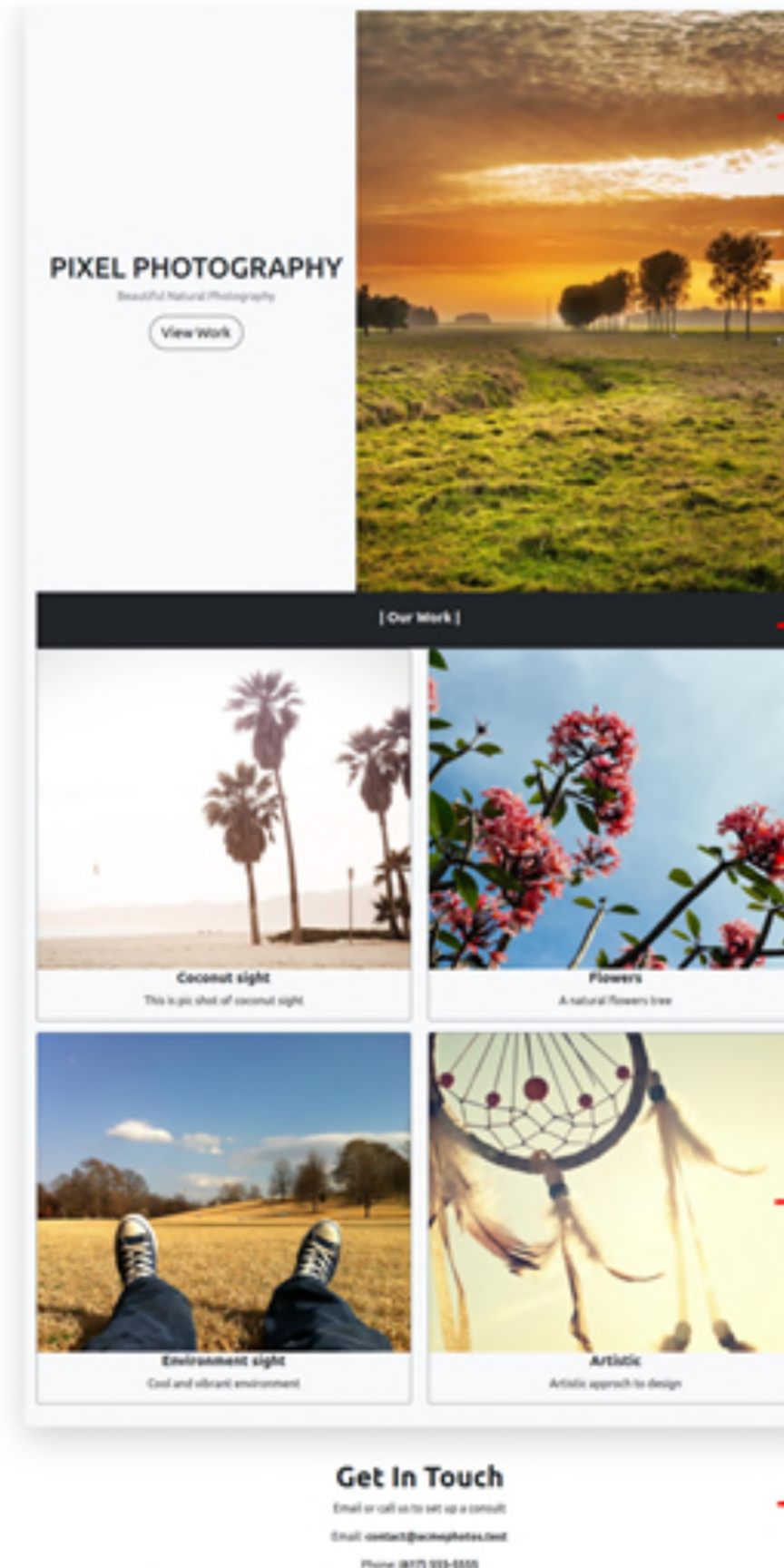
Create a Responsive Web Page for Pixel Photography

Develop a responsive web page that displays a variety of pictures and inspires the new photographers. Use the Bootstrap framework to develop the web page.

The boilerplate contains the sample output as image files for the desktop and mobile devices.

Expected Output: Desktop View

[Click here](#) for the desktop View of the web page for better clarity



Two column grid as header

Single column grid as separator

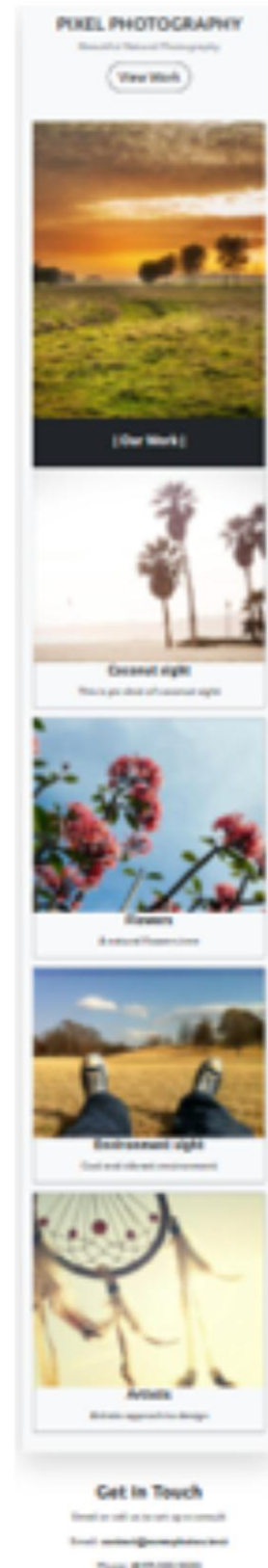
Two column grid with cards

Two column grid with cards

Single column grid as footer

Expected Output: Mobile View

[Click here](#) for the mobile view of the web page for better clarity



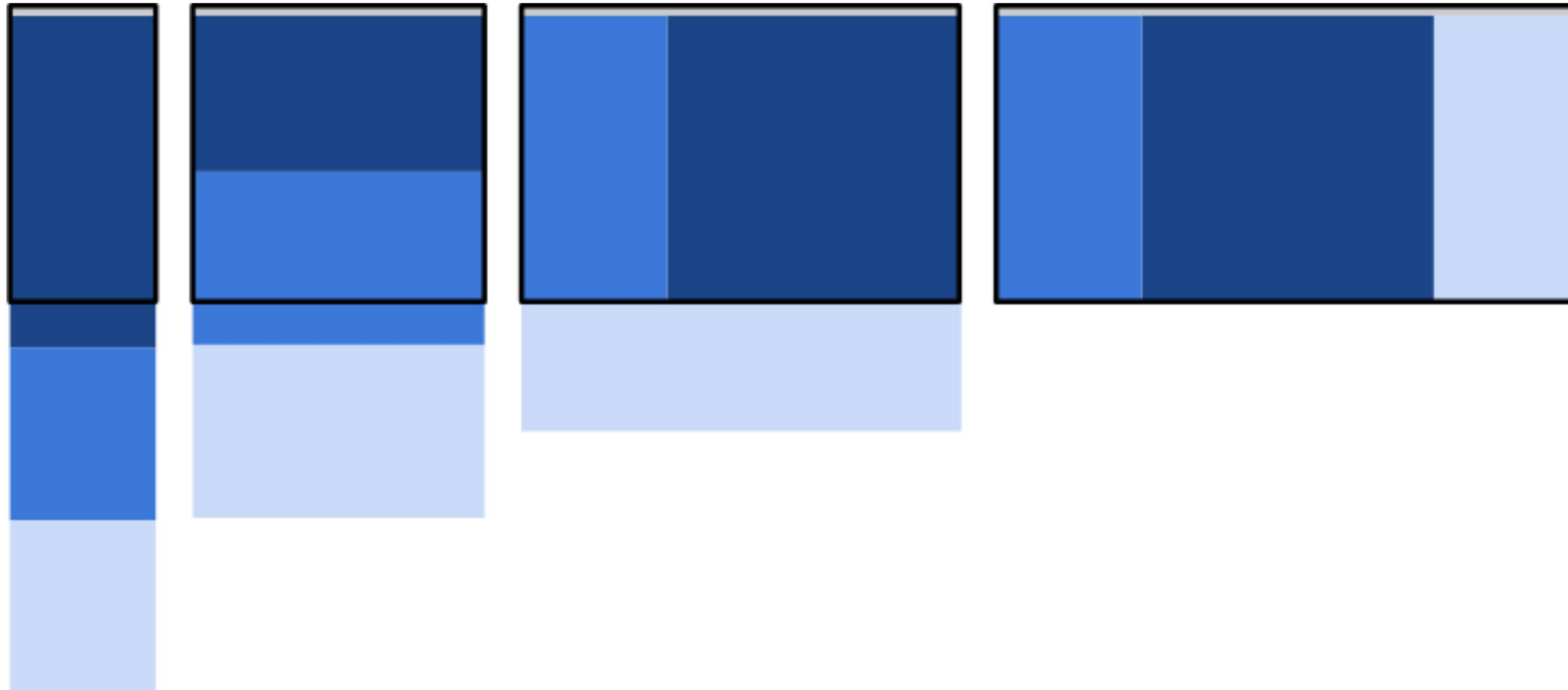
Task Details

- The HTML code for the page design should be written in the **index.html** file.
- Add Bootstrap framework CSS classes inside **index.html** file to style and make the web page responsive for desktop and mobile devices.
- The web page for desktop view contains 5 sections:
 - Section 1: Two column grid as header
 - Section 2: Single column grid as separator
 - Section 3: Two column grid with cards
 - Section 4: Two column grid with cards
 - Section 5: Single column grid as footer

Note: The responsiveness must be implemented based on Column Drop Layout pattern.

- This pattern starts with multi-column layout and ends up with single column, dropping columns along the way as screen sizes get narrower.

Column Drop Design Pattern (For Reference)



Define Styles With Bootstrap CSS Classes

Purpose	Bootstrap Classes	Examples
Bootstrap grid system classes for full responsiveness	.container, .container-fluid, .row, .col-*	
Buttons for actions in forms and dialogs	.btn, .btn-*, .btn-lg, .btn-sm	
Shorthand, responsive margin and padding utility classes	m{side}-{size}, p{side}-{size}	.mt-4, .mx-3, .mb-2 .py-3, .pb-0, .pe-4
Text utility classes for line height, alignment and fonts	.text-dark, .text-center, .fw-*, .lh-*	

Explore more Bootstrap classes [here](#) and use it to enhance the look and feel of the web page.