Assignment.3 (Chapter.7 Flexbox & CSS Grid) instructions

This assignment is a continuation of the previous assignment with a focus on the application of CSS flexbox & grid system for responsive layout configuration. The expected outputs for home and plants page are given at the end of instructions.

Task.1 – create case study folder

1. Copy the entire case study folder "ggarden2.2" and name the copy as "ggarden3"
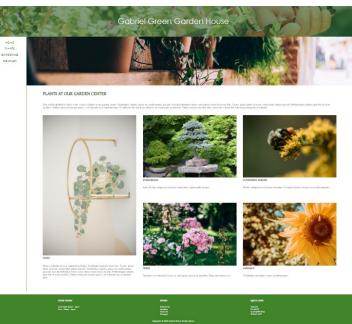
Task.2 - HTML

1. On each page, create a <div> element with id="pagecontainer" that encloses all elements inside <body>. This "#pagecontainer" element is to be used to configure the page layout of those major elements including <header>, <nav>, <main>, and <footer>.
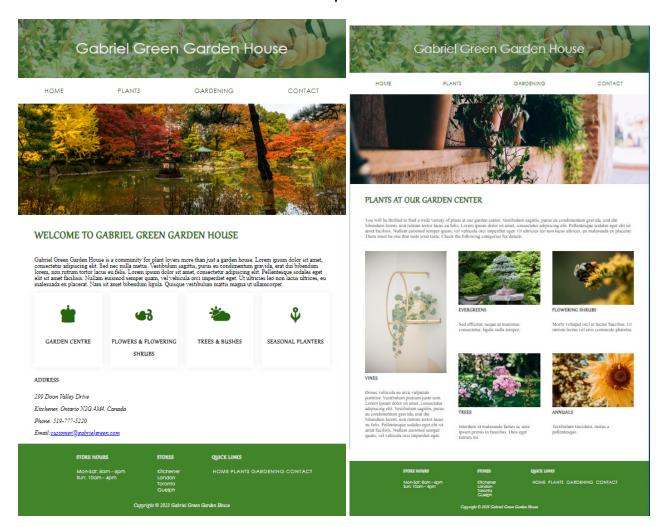
Task.3 - CSS

1. For the default (desktop) view:
    a. Remove all "float" properties and the corresponding "floating" clear-ups, such "clear" and "overflow" properties.
    b. Set "#pagecontainer" as a CSS grid with a column template value: "200px auto"; then let the <header> and <footer> take an entire grid row and <nav> and <main> automatically fill in grid cells.
    c. Set <footer> as a flex container that allows wrapping; then remove the "width" property for "footer > div", and instead use "flex-grow" to "equalize" the size of each <div>; for the sake of visual balance, given "10%" left padding to "footer > div"; lastly, set the "width" of #copyright to "100%" such that it takes a entire new row.
    d. Set "#multicol" as a flex container and use "justify-content: space-between" to align each section (with class="item25") inside; set the width of ".item25" to 23% and visualize the border box using a box-shadow value: "0px 0px 20px #eee;"
    e. Set "#categories" as a grid container with the column template value: "1fr 1fr 1fr", and "40px" grid gap; remove the "width" property for "categories section"; set the width of images inside "#categories" to "100%"; as the 3rd (vine) image is "tall", use "#categories section:nth-of-type(1)" to select the corresponding <section> element and let it span two grid rows as "grid-row:1/3"
2. Inside the media queries for tablet view
    a. Remove all "float" properties and the corresponding "floating" clear ups, such "clear" and "overflow" properties.
    b. Turn off "grid" for "#pagecontainer" by changing the "display" property to "block"
    c. Set "nav ul" as a flex container and apply "justify-content:space-around" to align nav links inside;
    d. Use flex-direction property to generate vertically stacked quick links in <footer> with selector "footer nav ul"
3. Inside the media queries for mobile view:
    a. Stack up nav links by setting "flex-direction" of "nav ul" to vertical
    b. Allow flex wrapping for "#multicol"
    c. Set the "width" of "footer > div" to "100%.
    d. Change the column template of "#categories" to "1fr 1fr"

Desktop View

Tablet View
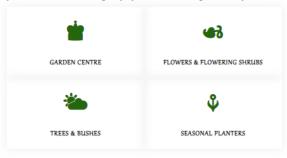
Gabriel Green Garden House

HOME
PLANTS
GARDENING
CONTACT

WELCOME TO GABRIEL GREEN GARDEN HOUSE

Gabriel Green Garden House is a community for plant lovers more than just a garden house. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed nec nulla metus. Vestibulum sagittis, purus eu condimentum gravida, erat dui bibendum lorem, non rutrum tortor lacus eu felis. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Pellentesque sodales eget elit sit amet facilisis. Nullam euismod semper quam, vel vehicula orci imperdiet eget. Ut ultricies leo non lacus ultrices, eu malesuada ex placerat. Nam sit amet bibendum ligula. Quisque vestibulum mattis magna ut ullamcorper.

GARDEN CENTRE

FLOWERS & FLOWERING SHRUBS

TREES & BUSHES

SEASONAL PLANTERS

ADDRESS

299 Doon Valley Drive

Kitchener, Ontario N2G 4M4, Canada

Phone: 519-777-5220

Email: customer@gabrielgreen.com

STORE HOURS

Mon-Sat: 8am - 6pm
Sun: 10am - 4pm

STORES

Kitchener
London
Toronto
Guelph

Gabriel Green Garden House

HOME
PLANTS
GARDENING
CONTACT

PLANTS AT OUR GARDEN CENTER

You will be thrilled to find a wide veriaty of plans at our garden center. Vestibulum sagittis, purus eu condimentum gravida, erat dui bibendum lorem, non rutrum tortor lacus eu felis. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Pellentesque sodales eget elit sit amet facilisis. Nullam euismod semper quam, vel vehicula orci imperdiet eget. Ut ultricies leo non lacus ultrices, eu malesuada ex placerat. There must be one that suits your taste. Check the following categories for details.

VINES

Donec vehicula eu arcu vulputate porttitor. Vestibulum pretium justo sem. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vestibulum sagittis, purus eu condimentum gravida, erat dui bibendum lorem, non rutrum tortor lacus eu felis. Pellentesque sodales eget elit sit amet facilisis. Nullam euismod semper quam, vel vehicula orci imperdiet eget.

EVERGREENS

Sed efficitur, neque at maximus consectetur, ligula nulla tempor.

FLOWERING SHRUBS

Morbi volutpat orci et luctus faucibus. Ut rutrum lectus vel eros commodo pharetra.

Mobile view (the bottom of both pages are not fully shown)