

Responsive Flower Layout with Leaf Petals

Overview

This project features a visually engaging "flower" layout where each leaf represents a clickable petal, each linking to different resources. The desktop view showcases a creative circular arrangement of these leaves, with background images and overlay text. On mobile and tablet views, the design transitions to a more practical tab-based layout where each leaf becomes a horizontal, stackable tab.

The layout is built with **HTML** and **CSS**, using media queries to provide responsive design adjustments across devices.

File Structure

- **HTML**
 - Each petal or "leaf" is an `<a>` tag containing an image, overlay text, and mobile-friendly tab content.
 - The structure ensures both desktop (flower) and mobile (tab) versions have the appropriate elements to display.
- **CSS**
 - The styles ensure that the leaf petals are positioned and rotated to form a flower shape on desktop.
 - For mobile and tablet views, the CSS hides the leaf images and overlay text, instead showing the mobile-friendly tab content.
 - The responsive layout is controlled using media queries, targeting mobile (max-width: 767px) and tablet (max-width: 1024px) devices.

Features

Desktop View (Width: Above 1024px)

- **Flower Layout:** Each link (`<a>`) is designed as a leaf/petal with an image (leaf-image) and overlay text (leaf-overlay-text). These are rotated and positioned to create a flower-like arrangement.
- **Hover Effects:** The background images and overlay text are visible, adding a dynamic look to the leaf elements when hovered.
- **Leaf Center:** An image in the center of the flower provides a cohesive look for the entire design.

Mobile & Tablet View (Width: Below 1024px)

- **Tab Layout:** The leaf images and overlay text are hidden, and the mobile-friendly content (leaf-mobile) is displayed. Each tab contains:
 - An icon (leaf-icon)
 - A title (leaf-title)

- The tabs are stacked vertically, making it easier to browse on smaller screens.

Responsive Design

- **Media Queries:** Media queries control how the layout adapts to different screen sizes:
 - On screens wider than 1024px (desktop), the flower layout is displayed.
 - On screens between 768px and 1024px (tablet), the leaf images and overlay text are hidden, and the tab content is shown.
 - On screens smaller than 767px (mobile), the layout changes completely to a stacked tab structure.

Code Explanation

HTML

Each leaf is represented as follows:

html

```
<a href="/link" id="leaf-1" class="leaf" title="Leaf Title">
  <div class="leaf-image" style="background-image:url('image-url');"></div>
  <span class="leaf-overlay-text">Overlay Text</span>
  <span class="leaf-mobile">
    
    <h4 class="leaf-title">Title</h4>
  </span>
</a>
```

- **leaf-image:** The background image used in the desktop view to create the petal.
- **leaf-overlay-text:** The text overlay positioned over the petal image.
- **leaf-mobile:** Contains the icon and title to display in mobile view.

CSS

Flower Layout (Desktop)

css

```
#leaf-1 .leaf-image {
  width: 40%;
  height: 40%;
  position: absolute;
  top: 30%;
  left: 25%;
  transform: rotate(-45deg); /* Rotates the image for alignment */
}
```

Each leaf has a different rotation to align it in a circular flower shape. The images and text overlays are positioned and rotated to fit within the petal structure.

Tab Layout (Mobile & Tablet)

css

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```
@media (max-width: 1024px) {  
  .leaf-image,  
  .leaf-overlay-text {  
    display: none; /* Hide images and text on mobile and tablet */  
  }  
  
  .leaf-mobile {  
    display: block; /* Show mobile-friendly tab content */  
  }  
}
```

For smaller screens, the leaf images and overlay text are hidden. Instead, the leaf-mobile content (icon and title) is displayed as a simple, user-friendly tab.

Customization

Adding New Leaves

To add a new leaf, simply replicate the structure of the existing `<a>` tags. Update the following:

- **Href:** Update the link to point to the desired destination.
- **Background Image:** Update the URL in the style attribute of leaf-image.
- **Overlay Text:** Modify the content within leaf-overlay-text to suit the new link.
- **Mobile Icon:** Update the leaf-icon image for mobile view.

Adjusting Layout

- To change the size, position, or rotation of the petals in the flower, modify the values inside .leaf-image and .leaf-overlay-text (e.g., width, height, top, left, and transform).
- To adjust the appearance of the mobile and tablet tabs, tweak the styles in the @media queries.

Known Issues

- **Images Overlapping on Smaller Screens:** If images or text appear in mobile or tablet views when they shouldn't, ensure the media queries hide the .leaf-image and .leaf-overlay-text properly.
- **Leaf Positioning:** The positioning of the leaves is absolute, so adjusting one leaf might require adjusting others to maintain the flower shape.

Future Enhancements

- **Animations:** Consider adding hover animations or transitions between views to enhance the user experience.

- **Interactive Tabs:** For mobile views, make the tabs collapsible for a cleaner layout on smaller screens.

Credits

This project is part of the [Urban Baby Beginnings](#) initiative to provide user-friendly access to various maternal health resources.