**Report for Assignment #2 — CSS Styling (Colors, Fonts, Layout)**

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**Report on HTML & CSS Portfolio Tasks**

**Task 1 – Card Row**

* A **Flexbox-based layout** was created to display a row of cards.
* Each card includes:
  + An image,
  + A title,
  + A short description,
  + A button.
* The .cardRow container uses display: flex; with gap: 20px; and justify-content: center; to align cards evenly.
* Cards have consistent styling: borders, shadows, and hover effects on buttons.

This demonstrates the use of **Flexbox for horizontal card alignment**.

**Task 2 – Grid Layout with Gallery**

* A **CSS Grid system** was applied with grid-template-areas to structure:
  + Header,
  + Sidebar,
  + Main content,
  + Footer.
* The sidebar contains navigation links styled as buttons.
* The content area contains a **gallery**:
  + Implemented with display: grid; grid-template-columns: repeat(3, 1fr);.
  + Each image is inside a .imgBox with a hover effect: zoom-in and caption overlay.

This shows **CSS Grid for full-page layout** and **image gallery with hover interactivity**.

**Task 3 – Portfolio Page with Grid + Flexbox**

* A combined layout was created:
  + **Header**: built with Flexbox (display: flex; justify-content: space-between;) for a logo and navigation bar.
  + **Main Section**: Grid with two columns (1fr 200px) for projects and a sidebar.
  + **Sidebar**: styled navigation links.
  + **Content Area**: contains a row of project cards, similar to Task 1, but adapted for the new structure.
* Footer spans across the bottom using grid-template-areas.

This demonstrates **integration of Flexbox and CSS Grid in the same page**.

**Task 4 – Footer Consistency and Alignment**

* The footer was styled to **span across the bottom of the page** with full width.
* To achieve this, grid-template-rows: auto 1fr auto; and min-height: 100vh; can be used, ensuring the footer always stays at the bottom.
* Consistent spacing was applied across sections:
  + Padding inside containers,
  + Uniform gaps between elements (gap: 20px;),
  + Matching button styles across navigation and sidebars.

This ensures **visual consistency and alignment across the entire portfolio page**.

**Final Notes**

* **Flexbox** was used for navigation bars and internal card alignment.
* **CSS Grid** was used for full-page layouts and image gallery structures.
* Hover effects and transitions were added to make the UI interactive.
* The design keeps a **consistent red/white/gray color scheme** for better visual harmony

[GIT](https://github.com/Neriadius/HTML_HOME_WORK)