Part D-Diary

```
/* Nth Pesudo Class */
/* The CSS rule li:nth-of-type(2) targets the second (list item) in a list and applies a set
of styles to it. */
li:nth-of-type(2){
  background-color: #87d684;
  border: solid 2px rgb(0, 0, 0);
  border-color:rgb(207, 207, 142);
  border-radius: 6px;
  color: rgb(0, 0, 0);
/* Validity Pseudo class */
/* The CSS rule .NewEmail:invalid targets elements with the class NewEmail that are in an
invalid state. Typically, this rule is used with form elements,
such as an input with the NewEmail class that fails validation. */
.NewEmail:invalid{
  background-color: rgb(140, 200, 135);
  border: 2px solid rgb(179, 90, 90);
/*Negation Pseudo Class*/
The CSS rule td:first-of-type:not(colspan)::first-letter targets the first letter of the content in
the first  (table cell) of each row where the first  is not a colspan (colspan attribute is
not applied).
td:first-of-type:not(colspan)::first-letter{
  background-color:lightblue;
  font-size:20px;
  color: black;
  font-weight: bold
td:first-of-type:not(colspan)::first-letter{
     font-size: 17px;
  }
/*Borders*/
/*The border property you've provided, border: solid gray;, sets a solid gray border for an
element.*/
border: [border-width] [border-style] [border-color];
```

```
table{
  margin: auto;
  border:solid gray;
  width: 96%;
  height:180px;
.txt-overflow{
  overflow: hidden;
  white-space: nowrap;
  width: 130px;
  overflow: hidden;
  border: 1px solid #000000;
  color: #e3b5b5;
  font-size: 19px;
  font-family: 'Times New Roman', Times, serif;
}
.NewEmail:invalid{
  background-color: rgb(140, 200, 135);
  border: 2px solid rgb(179, 90, 90);
}
li:nth-of-type(2){
  background-color: #87d684;
  border: solid 2px rgb(0, 0, 0);
  border-color:rgb(207, 207, 142);
  border-radius: 6px;
  color: rgb(0, 0, 0);
/*Rounded Corners*/
/*To create rounded corners in CSS, you can use the border-radius property. This property
allows you to define the radius of each corner of an element*/
.button{
  /* background-color: #6f1e37; */
  border-radius: 6px;
.about-col-1 img{
  border-radius: 15px;
.services-list div{
  background-color: transparent;
  border-radius: 20px;
}
.btn2{
  border-radius: 6px;
```

```
}
form input, form textarea {
  border-radius: 3px;
}
.blog-img{
  border-radius: 10px;
.services-list-1 div{
  border-radius: 20px;
.navbar a {
  border-radius: 4px;
li:nth-of-type(2){
  border-radius: 6px;
/*Gradient*/
/*background-image: linear-gradient(red, rgb(108, 144, 108));: Sets a linear gradient as the
background image. The gradient transitions from red to an RGB color (in this case, a shade of
green: RGB (108, 144, 108)).*/
Linear Gradient: A linear gradient transitions colors along a straight line.
Radial Gradient: A radial gradient transitions colors outward from a central point.
#grad1 {
  background-color: red; /* For browsers that do not support gradients */
  background-image: linear-gradient(red, rgb(108, 144, 108));
p:empty{
  background-color: red; /* For browsers that do not support gradients */
  background-image: linear-gradient(red, rgb(108, 144, 108));
}
.p1{
  background-color: rgb(233, 209, 209); /* For browsers that do not support gradients */
  background-image: radial-gradient(rgb(238, 212, 212), rgb(190, 226, 190));
}
/*Transforms*/
/*transform: translateY(-5px);:
Applies a transformation that moves the element 5 pixels upward along the Y-axis when
hovered over. This creates a visual effect of the button shifting upward*/
```

```
.button:hover:hover{
  transform: translateY(-5px);
}
.header-text h1 span{
  transform: translateX(-5px);
.services-list div:hover{
  transform: translateY(-10px);
}
.services-list-1 div:hover{
  transform: translateY(-10px);
}
/*The @keyframes rule you provided defines a keyframe animation named slidedouble. This
animation uses the transform property to create a vertical translation effect.*/
@keyframes slidedouble{
0%{
  transform: translateY(0px);
50%{
  transform: translateY(-10px);
100%{
  transform: translateY(0px);
.button:hover:hover{
  transform: translateY(-5px);
/*Transitions*/
/*transition: all .3s;: Applies a transition to all properties with a duration of 0.3 seconds*/
/*transition-delay: 2s;: This property adds a delay of 2 seconds before the transition starts
when the hover state is triggered. It introduces a delay before the overflow property takes
effect.*/
Get all the transitions here
.txt-overflow:hover{
  overflow: visible;
  transition-delay: 2s;
/*Animations*/
```

/*The @keyframes rule you provided defines a keyframe animation named slidedouble. This animation uses the transform property to create a vertical translation effect*/

/*In CSS, @keyframes is a rule that defines a set of styles or transformations at specific points in an animation. It is used in conjunction with the animation property to create smooth and controlled animations on HTML elements.*/

```
@keyframes slidedouble {
0%{
  transform: translateY(0px);
50%{
  transform: translateY(-10px);
100%{
  transform: translateY(0px);
}
.services-list-1 h2{
  animation-name: slidedouble;
  animation-duration: 3s;
  animation-timing-function: ease;
  animation-iteration-count: infinite;
  transition: all .3s;
}
.paragraph1::first-letter{
  animation-name: slidedouble;
  animation-duration: 3s;
  animation-timing-function: ease;
  animation-iteration-count: infinite;
  transition: all .3s;
}
```

@FontFace

-Defines a custom for a webpage

Font Family -This prioritized list of font families for selected elements. This will check the font family and if It's not available it will try out the next one.

Src - This specifies the source of the font file. This is a URL. To work this correctly you need to give the actual font file name path.

Google Fonts

Get the link for the html file then access the CSS file by giving it's font-family name for the font-family attribute.

Colours

Color: #ffffff

Semi-Transparent Color

-In the heading, I have used a semi-transparent color inside the media queries. When I make the website responsive it will change it into rgba(255,555,255,0.5) with 50% opacity and 50% Transparent. 0 is fully transparent and 1 is fully Opaque.

Shadows

Text Shadow-In the "services-list div h2& services-list-1 div h2" I have made all the topics in text shadows. It appears everywhere in h2 headings under the services list.

The text-shadow property is used to apply a shadow to the text element.

Ex-text-shadow-2px 2px 2px #fffff

- 1. Horizontal offset
- 2. Vertical Offset
- 3. Blur Radius
- 4. Color

Box-Shadow

1. box shadow:2px 1px
☐ 2px- Horizontal offset(2px to right)
☐ 1px- Vertical Offset(1px downwards)
2.box shadow:1px 1px 20px #ffffff
☐ 1px- Horizontal offset(1px to right)
☐ 1px- Vertical Offset(1px downwards)
□ 20px-blur radius
□ #fffff-Colour
3.box shadow:rgba(33,35,38,0.1) 0px 10px 10px -10px Colour 1px- Horizontal offset(1px to right) 1px- Vertical Offset(1px downwards) 20px-blur radius -10px -Spread Radius
Text Effects
Text-Overflow:

Overflow: hidden

This property is used to hide any content that overflows the specified width and height. When it gets hovered it will allow the content to overflow the specified width to become visible.

Project div p- If it's overflows the specified width and height the text will be hidden.

Attribute Selector

```
a[target]
```

 $a \rightarrow$ select anchor tags.

Select those anchor tags that have a target attribute. Regardless of its value.

```
a[target=" top"]
```

a→Select anchor elements

select those anchor elements that have a target attribute with the exact value of "_top"

Pseudo Elements with Generated Content

:: first-letter- targets the first letter of the text content within the text content within an element with the class "para-cert-1". This allows you to apply specific styles.

::before-The css rule "address ::before" with the content property is used to insert content before the content of an <address>.

:: after

:: Placeholder-The CSS rule ".contant -right-form::placeholder" targets the placeholder text inside input elements that are descendants of the form.

User action pseudo-class

: hover

Structural Selectors

: root \rightarrow The root pseudo class in CSS is used to define global css variables. These variables are also known as customer properties. This can use throughout your style sheet. Once root is defined you can use them in other parts of your CSS.

: empty > The css rule target "p:empty" the paragraph element(paragraph with no elements) and applies to them.

: -nth-of-type

☐ This rule targets the second <1i> list item and applies a set of styles.

Negation Pseudo Class

not(s)→(td:first-of-type):[not(colspan)]::first-letter, targets the first letter of the content in the first

- ☐ Select the first element in each of the table
- ☐ If it's a colspan td this rule won't be applied.

Nth Pseudo Class

-nth-of-type

☐ This rule targets the second list item and applies a set of styles.

Relational Selector

/*The styles would be applied to elements with the "class .project-div and .project-div-1" only if they contain an img element as a descendant.*/

```
.project-div:has(img){
  margin-left: -10px;
  border-radius: 10px;
  border: 5px double #730058f7;
.project-div-1:has(img){
  margin-left: -10px;
  border-radius: 10px;
  border: 5px double #730058f7;
}
ul li{
}
nav ul li a {
nav ul li a::after {
}
nav ul li a:hover{
}
```

Child Combinator

/*In this case, the CSS rule a > i would apply to the <i> element inside the anchor (<a>) because it is a direct child.*/

a >i{
color: #beb7ff; 9

Week 1 october 11th

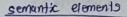
- (*) In Home 9 why we should use home 5 when designating explans, benefit; existing features New Elements
- * one benefit of using htmls when designing is its 'Native support to multimedia elements? Himcs introduces neco tags like < audio>, and <valeda which allows developer to embed audio and video content directly into web pages without relying on third party plugms like 'flash'.

@ scripting based -API

The benefit of scripting based API in htmls is that they allow the developers to create adjunction and interactive one pages? with scripting based API such as Davagempt API in htmls, developers can manipulate and applate content on a cueb page in real time based on user action and other events. Benefit. Colors and drop functionality.

Benefits of 1953

* New features in 1953 include support for additional selectors, drop shadows, rounded corners, multiple backgrounds, amountions, transportency and much more.



* mcludes several semantic elements to help organise documents - - <a href

No moning

<header>

october 18th

* The <header> element represents a group of mtroductory or navigational alds? The <header> element element a page area that typically contains a logo, title and a navigation bar. The header can also be used inside the semantic elements such as <article> or <section>.
<section>--> section header might be containing the section headmay

carticle), (section), caside) run have their own headers.

and author name.

Section> --> The settion element represents a generic section of a document or application. A section in this context is a grouping of Semantic meaningful. content with a heading.

Samilar to the section element. The article element represents a self contained composition in a document that is 'independently distributable or reusable'.

- <nov>-> * Represents a group of novigation links.
 - or to parts within other different pages
- ∠ aside>-->

 * An aside element is appropriate when it is used to represent content that is not the primary focus of an article or page, but it is still related to the article or page.

 * © a more of the primary focus of an article or page.

 * © a more of the primary focus of an article or page.

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- 1) What's the obetserence between between between
 - to the content around it. It typically represents content that is considered as a side bar, related limbs or advertisments.
 - * This can be placed maide a <anticle> or <section> element-

<<footer>

- at the footer element represents a footer for its nearest element content or sectioning content or sectioning root element?
- * Much like aside and header a footer element is not defined in terms of its position on the page. Hence it does not have to appear at the end of the section or at the bottom of the page. Most likely it will but It's not required.

Zprogress> , <meler>

- Briefly explain about the date time in html 5.
 - * the time element also allows you to express dates and times in cohichever formmat you like. It will return the date and time value in the date time attribute. This value can be converted into localized or preffered form using Javascopt.

ex:4> < time datetime: " > July 7 < /time>.

A Include the time

A Include the time

Along with the date.

The T character is used

to start of the time

A Include the time

The T character is used

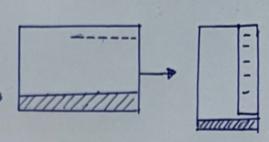
The T charact

November 1st Week 2 ul li - descendant selector OL LI Child selector matches <11> in <01> but not nested in (ul) ol >li UI pseudo class : enabled : disabled : checked -: indeterminate . in range form related of pseudo class : out-of-range. invalid : read-only. required : read-corite. optional colours Transparent - roba (0,0,0,0) semi transparent - raba (0,0,0,0.5) Gradient9 Imeorrandent ()! radial madient(); comic Gradient (): repeating-November 8th week q - Responsive & A design that responds to the needs of the users and the devices they are army. The layouts changes based on the size and capabilities of the device. * A webpage looks good mall devices. Display: Aexbox -> Display: flex * one dimention. * two dimention * Great space distribution + orreat layout that of items on the same axis reagre more contro with rows and colomn To make it Responence 1) set the view point < meta name = "viewpoint" content = "width = device-coidth, initial-scale = 10"> This sets the viewpoint of sets the width of sets the mitial the page, and gives the biauser the page to tollow 200m level when metractions on how to control the screen -with the page is first the page amensions and souling. of the devices loaded by the braw

(2) set the image max-width

- x images larger than the view point will cause horizontal scrolling.
- make gour mages max width this problem 19

max-width: 100% display: block



3) set the Layout

- * modern cas gives the layout techniques by creating flexible grids.
 - · flexbox
 - · Gnld-
 - · multicol .



Media Queries

- * Media queries are simple filters that can be applied to cos styles. They make it easy to change styles based on the types of device rendering the content, or the features of the device. Specially ove check these attributes make a media query. (1) oxidith
 - (e) height
 - (3) orientation
 - (4) ability to hover
 - (5) used to touchscreen

nedla queries based on view point

- Media queries makes to create a responsive experience othere specific styles are applied in small screens, large screens and between screens. The feature is detecting is 'screen size'. It is based on below attributes (1) windth.
 - (2) height
 - (3) orientation
 - (9) aspect -ratio.

@media Cmax-width : Goopx) {

, Styles for 600 px and about fight

@ media (mm - wioth: 610 px) (

3 styles for 601 px and ap foliax

CS Scar

