WEB DESIGN

Mid Term

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Course	Web Design
Exam Type	**Mid Term**
Duration	2 hours
Generation	GEN-10
Date	NOV 20th 2024

Exam Rules	• All documents allowed
	• The following actions are forbidden and will conduct to a 0 score:
	  ○ Talking or exchanging information with another student
	  ○ Using Internet or any Network

Evaluation

Exercise 1	20 points
Exercise 2	30 points
Exercise 3	50 points

To start

- Read this **document** AND the start **code** (ZIP) from MS TEAM

To submit

- Submit this **document** AND your **code** (ZIP) on MS TEAM

EXERCISE 1 (20 pts) *CRITICAL THINKING*

Q1 – 6 pts

You need to apply a style to 5 elements on a page.

*Would you **use a class, an ID, or a type selector?** Justify your choice and explain the potential risks of each method.*

I would use an ID because I can call out any elements and I able to apply a style to each element in different style. When I put different ID to the elements, I can call out each element to apply the style.

Q2 – 3 pts

You are tasked to design a button with an exact width of 100px, including padding and borders.

*Which **box-sizing mode** should you use, **and why**?*

I should use border-box because it can make the box-sizing fix with button with the exact width.

Q3 – 3 pts

You are creating a photo gallery.

*Would you use **Flexbox or Grid for the layout**? Explain your decision, considering alignment, responsiveness, and maintenance.*

I would use flexbox because in flexbox I able to set up the direction to row or column also I can justify item to center, left or right. I can use flex-wrap to set up the photo in the gallery to fix the photo when I want to change the size of the gallery into small or big.

Q4 – 3 pts

You need to add space between a button and the text above it.

Should you use margin or padding on the button? Justify your choice.

I should use margin because margin able to set up the size or space outside the button. When I want to put the space between a button and the text above, I can use margin-top to set up the space between button and text above it to be more near or more far from each other.

Q4 – 5 pts

Here is a website folder structure.

```
/project
├── index.html
├── about/
│   ├── about.html
│   ├── team/
│   │   ├── team.html
│   │   ├── css/
│   │   │   └── team-style.css
│   │   ├── img/
│   │   │   └── team-photo.jpg
│   │   └── js/
│   │       └── team-script.js
│   └── css/
│       └── about-style.css
│
├── blog/
│   ├── blog.html
│   ├── post/
│   │   └── post1.html
│   ├── css/
│   │   └── blog-style.css
│   ├── img/
│   │   └── blog-banner.jpg
│   └── js/
│       └── blog-script.js
│
├── assets/
│   ├── fonts/
│   │   └── custom-font.ttf
│   └── videos/
│       └── intro-video.mp4
├── css/
│   └── global.css
└── js/
    └── main.js
C
```

Fill up the table with the **hyperlink**, so that we **can create an anchor link** from the **source folder** to the **destination file**.

PATH TYPE	SOURCE FOLDER	DESTINATION FILE	HYPERLINK LINK
ABSOLUTE		team-style.css	href=/project/about/team/css/team-style.css
RELATIVE	project/about/team	blog.html	href= ../../blog/blog.html
RELATIVE	project/ blog/css /	team-style.css	href = ../../about/team/css/team-style.css
RELATIVE	project/ blog/js /	Global.css	href = ../css/global.css
ABSOLUTE		intro-video.mp4	href=/project/assets/videos/intro-video.mp4

EXERCISE 2 (30 pts)

Design the bellow mock up using a **GRID layout**.

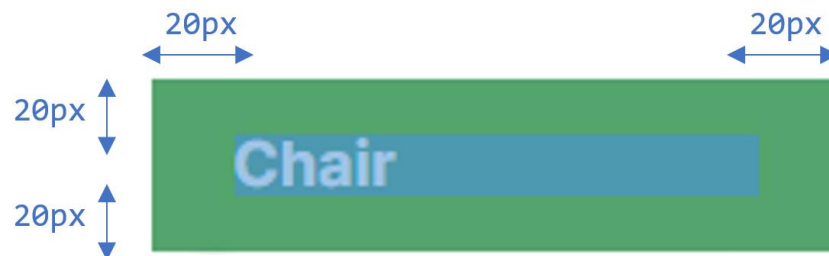**PART 1** – *Main components – 25 pts*

Design the bellow mock up.

- Your need to change both CSS and HTML
- Use the color as the bellow mockup

800px

Chair	The Laid Back	The Worker Bee	The Chair 4/2
Width	80 cm	60 cm	220 cm
Height	100 cm	110 cm	90 cm
Depth	70 cm	65 cm	80 cm
Weight	16 kg	22 kg	80 kg

- Each cell should have the same paddings:

20px   20px
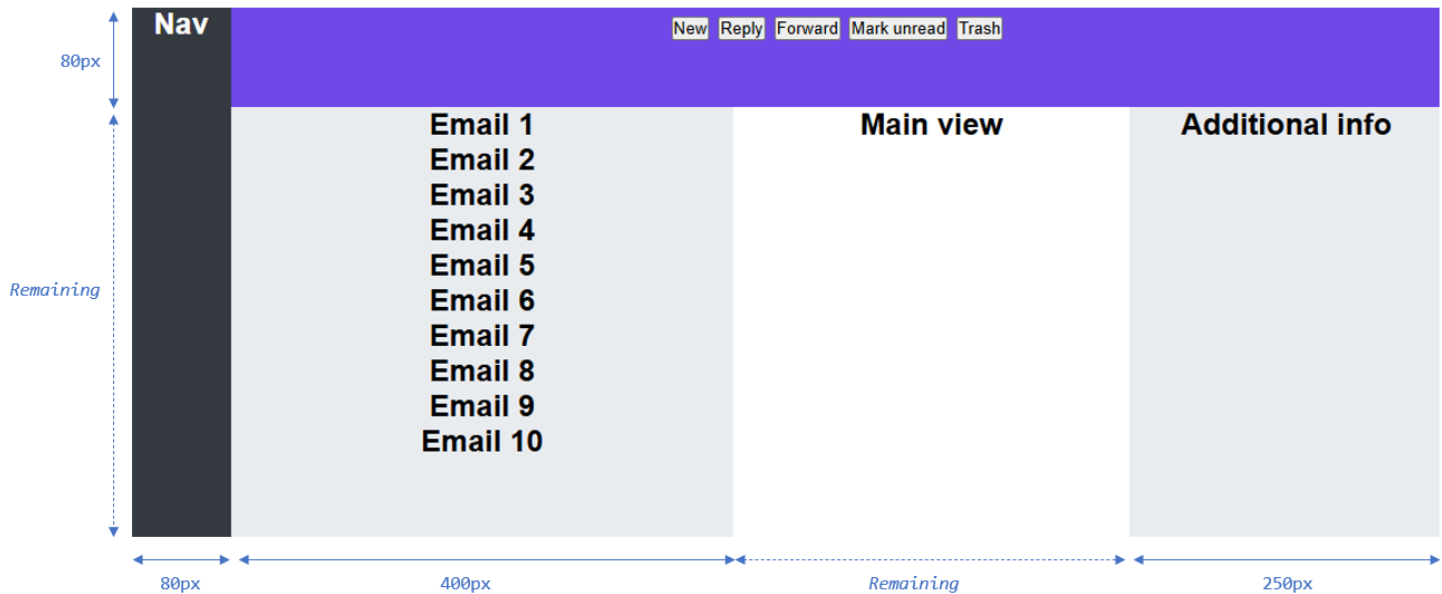
20px

Chair

20px

EXERCISE 3 (50 pts)

PART 1 – *Main components – 20 pts*

Design the below mock up using a **GRID layout**. *(No grid layout = no points!)*

- The HTML is provided and **cannot change**.
- *Remaining* means the related row or column **shall stretch** on the available space.

Colors:

- Menu   #343a40
- Left Section   #7048e8
- Nav   #e9ecef

PART 2 – *Inner elements – 30 pts*

Continue the work by designing the **menu buttons** and **email items**

- Use the types of layouts you want
- Note: the **email section has a scrollbar**: are you able to display it?

Colors:

- Menu button: # 5F3DC4
- Last menu button   # d6336c
- Email   # adb5bd