

1. Instructions

The total time for this practice is **2 hours**. Students must ensure that their computers (personal or lab) have the necessary software.

Students can use the following resources during assessment time:

- Physical resources (books, printed notes, hand-written notes).
- Online resources: Course Canvas, Zybooks, Language Documentation, and other related resources like *StackOverflow*, *W3C*, and *MDN*, *freeCodeCamp*,....
- **Please do not use any AI tools like ChatGPT, Bard, BingChat, and Github Copilot as they will be prohibited in this exam.**

2. Materials

In this practice, you have a folder named *materials/* containing initial codes. You are given the files *index.html*, *contact.html*, *style.css*, and the *assets/* folder which includes 2 images. The project's folder structure is shown in the image below.

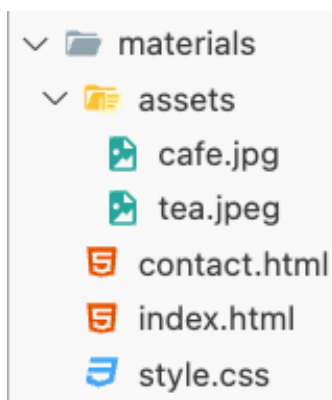


Figure 1: Folder structure

3. Topic & Outcomes

In this exam, you will create a responsive web application titled “**My RMIT Cafe**”, designed to showcase and promote your café. The application will feature two main views: “**Home**” and “**Contact**”.


Below are example illustrations of the expected outcomes in both desktop and mobile views:

My RMIT CafeHomeContact

Welcome to my Cafe

About me


Hi, my name is **John Doe**, my email is s1234567@rmit.edu.vn, and this is my coffee shop. I offer a variety of coffee and tea. Please stop by and try my delicious drinks!



My Wonderful Menu


| Drink | Description | Price |
|---------------|----------------------------------|-------|
| Bac Xiu | The best coffee in the world | \$5 |
| Espresso | Carpenter's favorite | \$2.5 |
| Latte | The 2nd best coffee in the world | \$4 |
| Cappuccino | Another good coffee | \$3.5 |
| Green Tea | Tea is good | \$3 |
| Earl Grey Tea | Classic and aromatic | \$4 |

My Coffee is the best



My coffee is made from the finest beans, roasted to perfection. I offer a variety of coffee drinks, from espressos to lattes to cappuccinos. Whether you're looking for a quick pick-me-up or a relaxing cup of coffee, I have something for everyone.

Tea for everyone



My tea selection is second to none. I offer a wide variety of teas from around the world, including black, green, and herbal teas. Whether you're looking for a traditional English breakfast tea or a unique blend, I have something for everyone.

Crafted with  by John Doe


Figure 2: Home desktop view

My RMIT Cafe[Home](#)[Contact](#)

Welcome to my Cafe

About me


Hi, my name is **John Doe**, my email is s1234567@rmit.edu.vn, and this is my coffee shop. I offer a variety of coffee and tea. Please stop by and try my delicious drinks!



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Crafted with  by John Doe

Figure 3: Home mobile view

My RMIT Cafe[Home](#)[Contact](#)

Contact me

Name:

Email:

Comment:

Send

Crafted with  by John Doe

Figure 4: Contact view

4. HTML Requirements

*Note 1: You must decide on the appropriate HTML elements to use. Consider **using semantic tags** when needed.*

*Note 2: The term “**container**” throughout these requirements could be any tags that you have learned, such as **div**, **section**, **article**, etc..*

*Note 3: All the **images** must have the valid and appropriate “**alt**” attribute. All the **headings** **h1**, **h2**, **h3**, **h4**, **h5**, **h6** must be used coherently.*

*Note 4: **All the ID, class, folder, and file names mentioned must be respected** (e.g. if the text required is “my-cafe”, then “MyCafe” or “myCafe” are not correct)*

*Note 5: Make sure to **use your actual full name, email** on this website.*

Here are the requirements for the HTML structures:

1. Add two different images from the Internet or your computer into the **materials/** folder. Rename these images to “**profile**” and “**logo**”. The acceptable extensions for images are .jpg,

.jpeg, .png, or .webp. **Make sure that you are not reusing any given images from the assets/ folder.**

2. Set the website favicon to the image **“logo”**.

3. The website title must follow the format **“<Your Full Name>’s Cafe”**. For example, in the demo, it is **“John Doe’s Cafe”**:



Figure 5: Website title on the browser tab

For all the instructions below, please refer to the illustrations.

For both Home page and Contact page:

4. The **body** must include four direct child elements: **header**, **heading**, **main**, and **footer**, in that order.

5. In the **header**, include a link to **index.html** with the title **“My RMIT Cafe”** and a navigation section containing two links: one to **index.html** labeled **“Home”** and another to **contact.html** labeled **“Contact”**.

6. The content of the **heading** should be **“Welcome to my Cafe”** for the Home page and **“Contact me”** for the Contact page.

7. The **footer** must include an **emoji** and your **full name in bold**, created using an **HTML tag**.

Focus on fully developing one page first, then clone the code for the other page.

For Home page:

8. Use **headings** for all card titles. The titles for the first-row cards must be **“About me”** and **“My Wonderful Menu.”** For the remaining two, choose any titles you prefer.

9. In “About me,” ensure your **full name is in bold** using an **HTML tag**, and **clicking on your email should open an email client**.

10. In “My Wonderful Menu,” include **at least four table items** with unique content.

11. Use the **images** provided in the **assets/** folder for the cards in the second row.

For Contact page:

12. Set the id **“contact”** to the main section.

13. In the main section, create a form using the POST method. Inside the form, include the following elements:

- A label and a required text input field for the “Name.”
- A label and a required email input field for the “Email.”
- A label and a required textarea for the “Comment” with 8 rows and 50 columns.
- A submit button labeled “Send.”

Ensure all form data is sent when the submit button is clicked, as illustrated below.

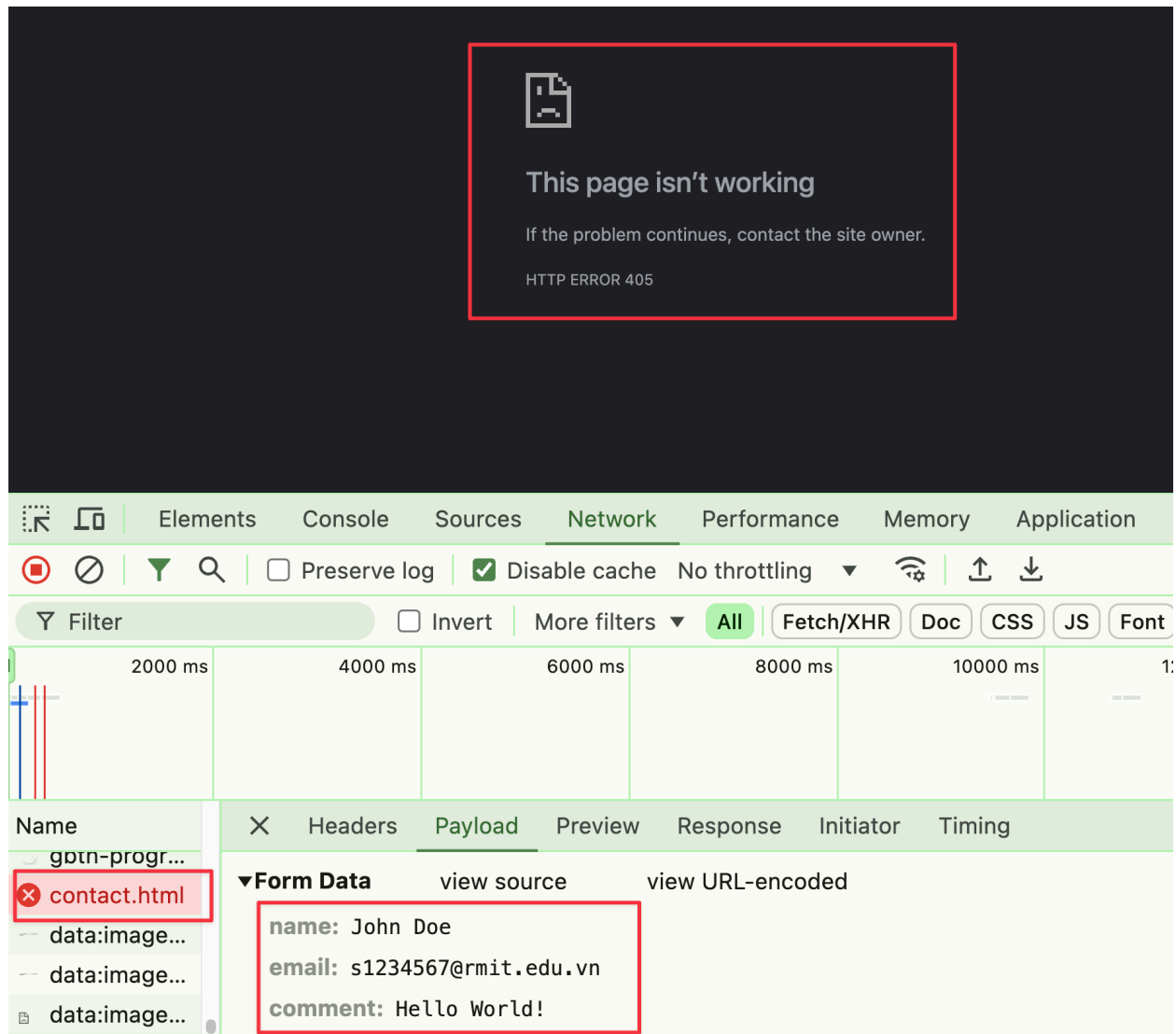


Figure 6: POST demo for Contact page

5. CSS Requirements

*Note 1: You are **NOT ALLOWED** to use any CSS Framework such as Bootstrap, TailwindCSS, etc.*

*Note 2: **Only external CSS is accepted** (i.e. you are not allowed to use internal or inline CSS).*

*Note 3: **Additional HTML tags, classes or IDs** can be added to the HTML tags to help your styling more easily.*

*Note 4: **If the resulting layout CLOSELY matches the outcome illustrations**, you may choose any values for font size, border, border-radius, gap, padding, margin, and transition.*

Below are the requirements for CSS styling. For the **desktop view (screen width $\geq 1024\text{px}$)**, implement a **two-column layout**:

1. Import a **font of your choice from Google Fonts** and use it exclusively for your website, without fallback fonts.
2. Choose **any color you like as the primary color**, ensuring it is **not black, white, or any of their shades**.

From this step, refer to the illustrations and style your website as closely as possible to them, with some notices below:

3. For the **header**, set the background color to the primary color with an **alpha channel of 0.2**. When links inside the header are hovered, their text color should change to white, and their background should use the primary color with an **alpha channel of 0.7**.
4. Use the **primary color** for the **bold text and link** in “About me,” as well as for the **first header row** of the table in “My Wonderful Menu.”
5. Set the **height** of all images to **300px**.
6. On the **Contact page**, use the primary color with an **alpha channel of 0.7** for the button background, changing to **0.9** when hovered.
7. Ensure that all hover actions mentioned in instructions 3. and 6. above include a **transition** effect.
8. For responsive design on **mobile/tablet views (screen width $< 1024\text{px}$)**, convert the desktop layout to a **one-column layout** for the **Home page**. The **Contact page** should remain **unchanged**.

– END OF THE REQUIREMENTS –