

Web Programming (F) Quiz 1 Webpage Report

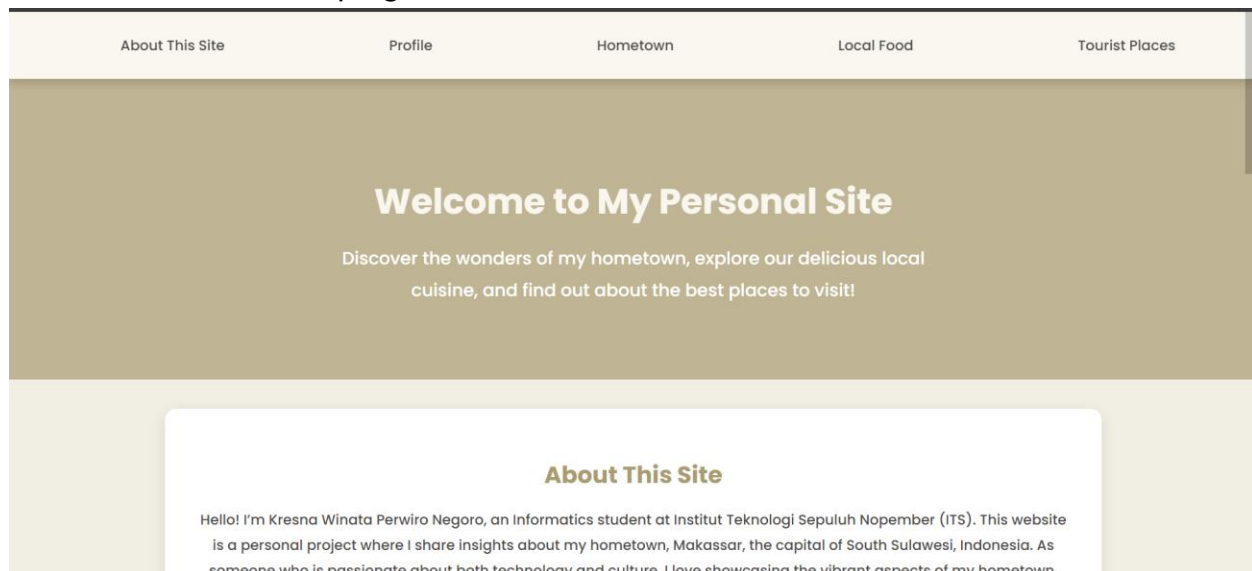
Name : Kresna Winata Perwiro Negoro

ID : 5025231308

This webpage was created for Web Programming Quiz 1 project that contains my profile, hometown, local food, and tourist places.

A. Design

Overview of the Webpage



I. Color Scheme

The project utilized a consistent color palette to create a cohesive and visually appealing experience :

- Primary Color: #AA9B70;
- Secondary color: #FAF7F0;
- Text Color: #4A4947;
- Background Color: #F1EFE4;
- Accent Color: #967E48;

II. Typography

The typography choices for this webpage:

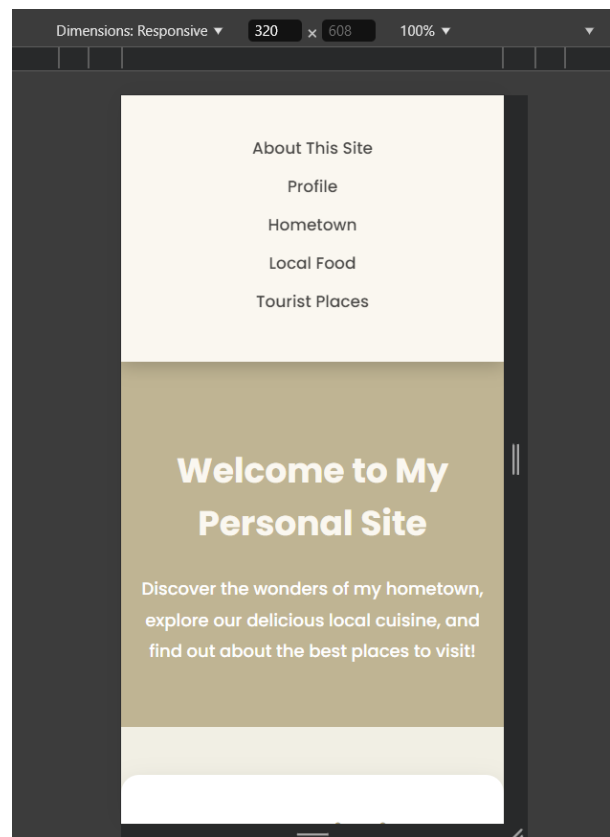
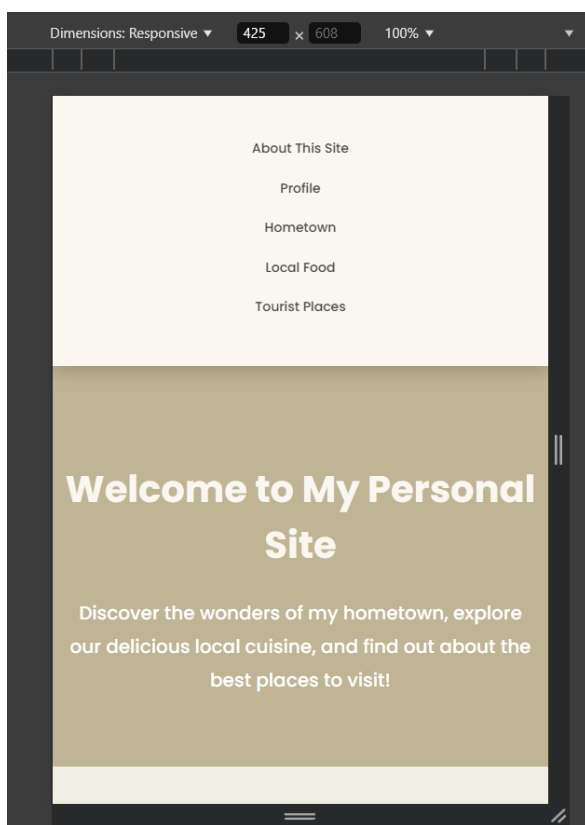
- Headings : 'Poppins', used for bold and modern visual hierarchy
- Body Text : 'Poppins', employed to ensure readability with a minimalist design

III. Layouting

The layout of the webpage was designed using CSS Flexbox to achieve a flexible and adaptive structure. Flexbox is used to align and distribute content across the webpage, ensuring that all elements like the header, navigation bar, and content sections adjust smoothly.

Key Features :

- **Responsive Navigation Bar :** The navbar is positioned at the top, ensuring quick access to different pages.
- **Flexibility :** By using Flexbox, elements maintain their alignment and spacing, regardless of screen size.



IV. JavaScript Animation

The project incorporates JavaScript for animations to enhance the interactive experience and design of the webpage.

Key Features

- Navbar Hide/Show on Scroll : When user scrolls up/down the page, the navigation bar hides to provide more space for viewing content. When the user stop scrolling, the navbar reappears for easy access to navigation to the other pages.
- Smooth Scrolling : The script listens for clicks on links with a href that start with '#' and triggers a smooth scrolling animation to the target section
- Fade-In Animation on Scroll : As the user scrolls, sections are revealed with a fade-in animation
- Header Fade-In on Page Load : The header fades in when the page initially loads for a smooth visual effect

B. Pseudo-Codes

HTML

In each of the HTML File, the structure is always :

A. Setup HTML Document

- Define document language and metadata (character set, viewport, title)
- Link external stylesheets for custom CSS, Google Fonts to import Poppins font, and Font Awesome Icons to import the social media logo.

B. Create the Navigation Bar

- Use <nav> element with links to different pages of the webpage (Home, Profile, Hometown, Local Food, Tourist Places)

C. Header Section

- Add a welcome message and introduction text inside the <header> element

D. Main Content Section

- Use <section> to split the content

E. Footer Section

- Provide contact information and social media links using <footer> with Font Awesome Icons

Homepage

BEGIN HTML Document

SET language, character encoding, and title

LINK to external resources (CSS stylesheet, JavaScript file, Font Awesome for icons, Google Fonts)

BEGIN Body

CREATE navigation bar

ADD navigation links (Home, Profile, Hometown, Local Food, Tourist Places)

CREATE header section

ADD title and introduction text

CREATE main section

CREATE "About This Site" section

ADD title and description

CREATE "Profile" section

ADD title, description, and link to full profile

CREATE "Hometown" section

ADD title, description, and link to Hometown page

CREATE "Local Food" section

ADD title, description, and link to Local Food page

CREATE "Tourist Places" section

ADD title, description, and link to Tourist Places page

CREATE footer

ADD contact information and social media links (with Font Awesome icons)

END Body

END HTML Document

Profile

BEGIN HTML Document

SET language, character encoding, and title

LINK to external resources (CSS stylesheet, JavaScript file, Font Awesome for icons, Google Fonts)

BEGIN Body

CREATE navigation bar

ADD navigation links (Home, Profile, Hometown, Local Food, Tourist Places)

CREATE header section

ADD profile picture, name, subtitle, and social media links

CREATE main section

CREATE "About" section

ADD title and description

CREATE "Skills" section

ADD title and unordered list of skills

CREATE "Experience" section

ADD title and unordered list of experiences

CREATE "Education" section

ADD title and unordered list of education

CREATE "Languages" section

ADD title and unordered list of languages

CREATE "Hobbies & Interests" section

ADD title and description of hobbies

CREATE footer

ADD contact information and social media links (with Font Awesome icons)

END Body

END HTML Document

Hometown

BEGIN HTML Document

SET language, character encoding, and title

LINK to external resources (CSS stylesheet, JavaScript file, Font Awesome for icons, Google Fonts)

BEGIN Body

CREATE navigation bar

ADD navigation links (Home, Profile, Hometown, Local Food, Tourist Places)

CREATE header section

ADD page title "Makassar"

CREATE main section

CREATE "About Makassar" section

ADD title and image

ADD description of Makassar as a historical and modern city

CREATE "History of Makassar" section

ADD title and description of Makassar's history from ancient times to the modern era

INCLUDE historical events such as the Gowa Sultanate, Dutch colonial period, and post-independence era

CREATE "Geography of Makassar" section

ADD title and description of Makassar's location, climate, and key geographical features

ADD geographical facts list (coordinates, climate, area, population, key features)

CREATE footer

ADD contact information and social media links (with Font Awesome icons)

END Body

END HTML Document

Local Food

BEGIN HTML Document

SET language, character encoding, and title

LINK to external resources (CSS stylesheet, JavaScript file, Font Awesome for icons, Google Fonts)

BEGIN Body

CREATE navigation bar

ADD navigation links (Home, Profile, Hometown, Local Food, Tourist Places)

CREATE header section

ADD page title "Local Food"

CREATE main section

CREATE "Coto Makassar" section

ADD title

ADD image (Coto Makassar Dish)

ADD description of Coto Makassar, including ingredients and how it's served

CREATE "Sop Konro" section

ADD title

ADD image (Sop Konro)

ADD description of Sop Konro, including ingredients, cooking style, and variations

CREATE "Pallubasa" section

ADD title

ADD image (Pallubasa Dish)

ADD description of Pallubasa, including ingredients, serving style, and comparison to Coto Makassar

CREATE footer

ADD contact information and social media links (with Font Awesome icons)

END Body

END HTML Document

Tourist Places

BEGIN HTML Document

SET language, character encoding, and title

LINK to external resources (CSS stylesheet, JavaScript file, Font Awesome for icons, Google Fonts)

BEGIN Body

CREATE navigation bar

ADD navigation links (Home, Profile, Hometown, Local Food, Tourist Places)

CREATE header section

ADD page title "Tourist Places"

CREATE main section

CREATE "Pantai Losari" section

ADD title

ADD image (Sunset at Pantai Losari)

ADD description of Pantai Losari, including the sunset, promenade, and cultural experiences

CREATE "Fort Rotterdam" section

ADD title

ADD image (Fort Rotterdam)

ADD description of Fort Rotterdam, detailing its history, the Gowa Kingdom, and the Dutch colonial era

CREATE "Bantimurung National Park" section

ADD title

ADD image (Bantimurung National Park)

ADD description of Bantimurung National Park, emphasizing its biodiversity, butterflies, and natural scenery

CREATE footer

ADD contact information and social media links (with Font Awesome icons)

END Body

END HTML Document

CSS

1. Define Global Variables

- Set colors for primary, secondary, text, background, and accent.

2. Global Styling

- Setting fonts, margin, padding, background color, and scroll behaviour to the body and html elements.

3. Typography

- Set styles like color, font-size, and height for <h1>, <h2> and <p>.

4. Navigation Bar

- Styles the navigation bar, ensuring it sticks to the top with a background color, shadow, and hover effects for links.

5. Sections

- Styles each section with padding, background color, and box-shadow effects.
- Add fade-in animations for header and section using JavaScript

6. Responsive Design

- Use media queries to adjust styling for screens with widths of 768px, 426px, and 376px, ensuring responsiveness for different screen sizes.

7. Footer Styling

- Style the footer to include social media icons and contact information

8. Button Styles

- Define consistent button styles and hover effects for interactive elements.

BEGIN CSS Stylesheet

DEFINE root color variables:

- primary-color: #AA9B70
- secondary-color: #FAF7F0
- text-color: #4A4947
- background-color: #F1EFE4
- accent-color: #967E48

DEFINE universal styles for body and html:

- Set font family to 'Poppins', sans-serif

- Remove default margins and padding
- Set background color and text color using variables
- Enable smooth scroll behavior

DEFINE styles for h1 and h2:

- Set text color to primary-color

DEFINE paragraph styles:

- Set font size and line height for readability

DEFINE navigation (nav) bar styles:

- Set background color, box shadow, padding, and sticky position
- Transition for smooth effect

DEFINE unordered list (ul) in nav:

- Remove list-style, flex layout for horizontal alignment

DEFINE navigation links (li a):

- Style text, padding, and border-radius
- Add hover effect for background color and text color change

DEFINE header section:

- Set background, text alignment, padding, and color
- Apply transition for opacity and transform for smooth animation
- Define fade-in animation

DEFINE section styles:

- Set margins, padding, background color, border-radius, and box-shadow
- Center-align text and apply fade-in animation for sections

DEFINE footer styles:

- Set background color, text color, padding, and text alignment
- Style links with hover effect

DEFINE image styles:

- Set images to be responsive, max-width, border-radius, and shadow for specific sections (hometown, food, tourist images)

DEFINE profile-header styles:

- Set text alignment, padding, background color, and text color

- Style profile image, text, and social links with hover effects

DEFINE button styles:

- Set background color, text color, padding, and transition for hover and active states

DEFINE responsive styles for mobile views:

- Adjust nav bar layout, padding, and font size for screens below 768px, 426px, and 376px
- Adjust header, section, and button styles for smaller screens
- Ensure images, profile header, and content sections resize appropriately

END CSS Stylesheet

JavaScript

1. Smooth Scrolling (Just For Homepage)

- Select all <a> tags with href starting with '#'
- Add a click event listener to each <a>
- On click, prevent the default action
- Scroll smoothly to the element referenced by the href

2. Navbar Hide/Show on scroll

- Get the current scroll position
- If scrolling, hide the navbar
- If scrolling stops for 500ms, show the navbar

3. Fade-In on scroll

- Observe each section using IntersectionObserver
- When the section is in view, add the fade-in class
- Stop observing the section once it has faded in

4. Header Fade-In on load

- On page load, fade in the header by adding the fade-in class

BEGIN JavaScript Functionality

1. SMOOTH SCROLLING:

- a. Select all anchor links (`a[href^="#"]`).
- b. Add click event listener to each anchor.
- c. Prevent default click behavior.
- d. Get the target element referenced in the link's href attribute.
- e. Scroll the target element into view with smooth behavior.

2. HIDE AND SHOW NAVBAR ON SCROLL:

- a. Declare `lastScrollTop`` to store the previous scroll position.
- b. Get the navbar element by ID.
- c. Store the height of the navbar.
- d. Initialize a variable `isScrolling`` to track scroll events.
- e. Add event listener to the window's "scroll" event.
 - i. Get the current scroll position.
 - ii. Clear any previous scrolling timeout.
 - iii. Hide the navbar by setting `top`` to negative the navbar height.
 - iv. After 500ms, show the navbar again by setting `top`` to 0.
 - v. Update `lastScrollTop`` with the current scroll position.

3. FADE-IN EFFECT ON SCROLL:

- a. Select all sections.
- b. Define IntersectionObserver options:
 - i. Root is null (viewport).
 - ii. Threshold is 0.1 (10% visibility).
- c. Create IntersectionObserver instance `fadeInOnScroll`:
 - i. For each entry (section), check if it's intersecting the viewport.
 - ii. If intersecting, add `fade-in` class to the section.
 - iii. Unobserve the section after the class is added.
- d. Observe each section for scrolling into view.

4. FADE-IN EFFECT ON PAGE LOAD:

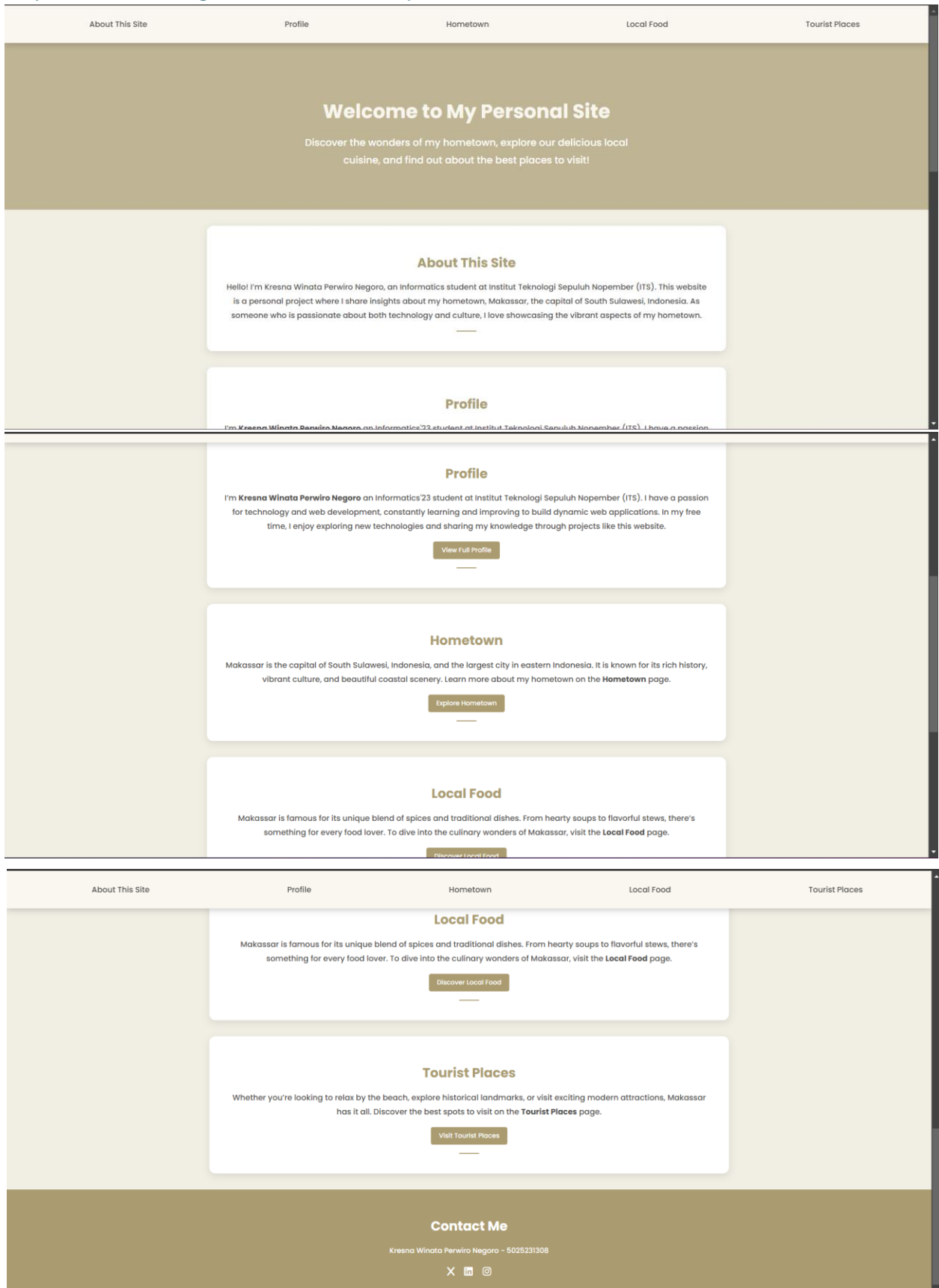
- a. Add event listener to the window's "load" event.
- b. On load, select the header.
- c. Add the `fade-in` class to the header.

END JavaScript Functionality

C. Screenshot

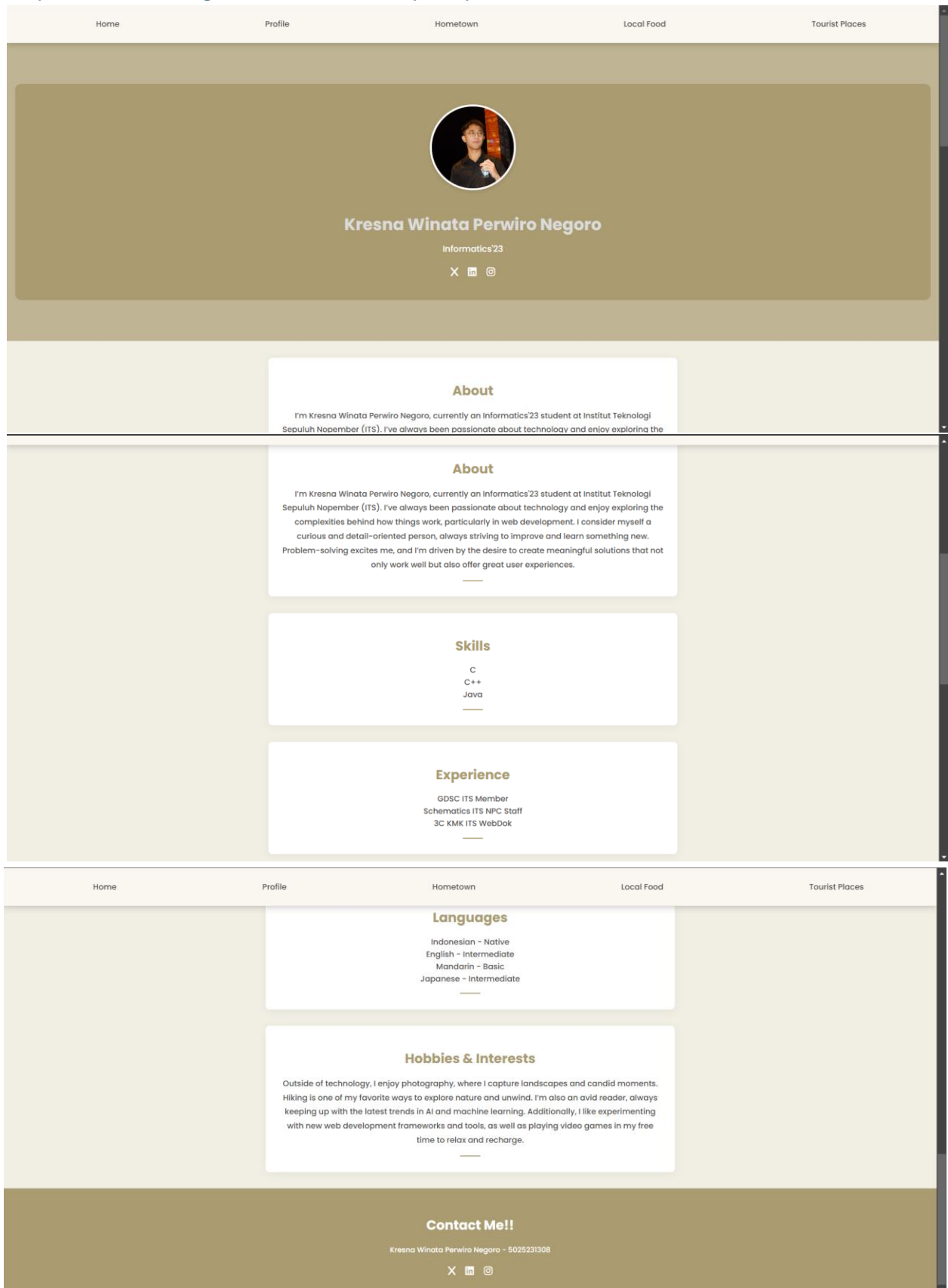
Homepage

<https://whaleees.github.io/WebPro/quiz1/>



Profile

<https://whaleees.github.io/WebPro/quiz1/profile/>



Education

SMP Katolik Rajawali Makassar
SMA Katolik Rajawali Makassar
Informatics Engineering, Institut Teknologi Sepuluh Nopember (ITS)

Languages

Indonesian - Native
English - Intermediate
Mandarin - Basic
Japanese - Intermediate

Hobbies & Interests

Outside of technology, I enjoy photography, where I capture landscapes and candid moments. Hiking is one of my favorite ways to explore nature and unwind. I'm also an avid reader, always keeping up with the latest trends in AI and machine learning. Additionally, I like experimenting with new web development frameworks and tools, as well as playing video games in my free time to relax and recharge.


Hometown

<https://whaleees.github.io/WebPro/quiz1/hometown/>

HomeProfileHometownLocal FoodTourist Places

Makassar

About Makassar



Makassar, the provincial capital of South Sulawesi, Indonesia, stands as a beacon of history and modernity on the Sulawesi coast. As the largest city in eastern Indonesia, Makassar has played a pivotal role in regional trade and cultural exchanges for centuries...

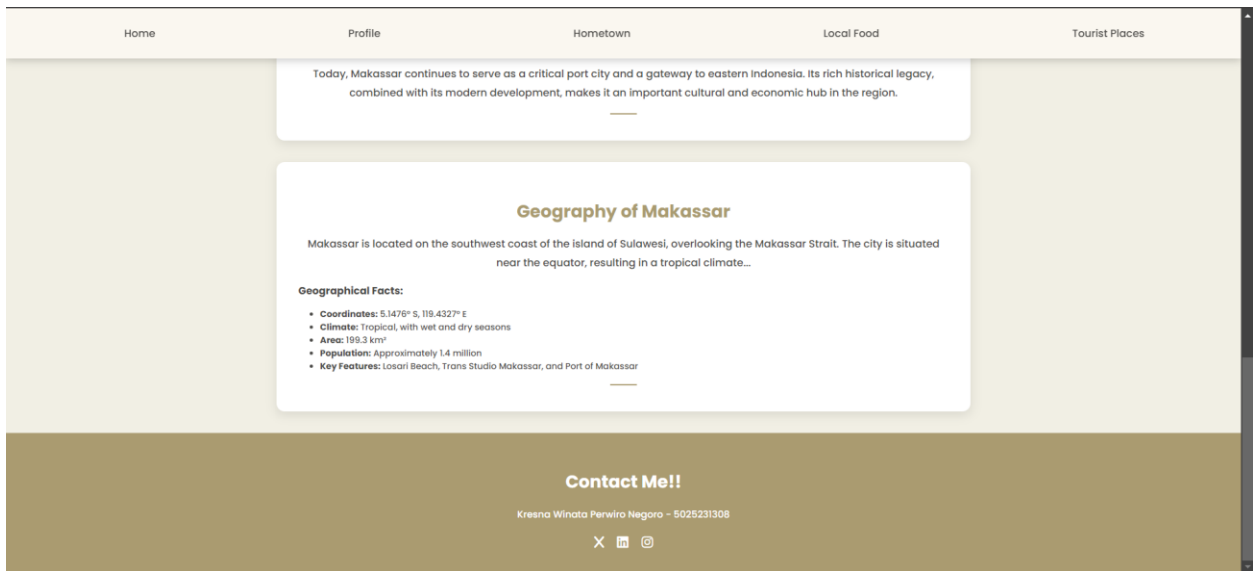
History of Makassar

Makassar, historically known as Ujung Pandang, has long been a center of political and economic power in Indonesia. As early as the 14th century, it served as the capital of the Gowa Sultanate, which was one of the most powerful kingdoms in eastern Indonesia. The city's strategic location on the southwest coast of Sulawesi turned it into a thriving port, connecting traders from the Malay Peninsula, the Middle East, China, and Europe through a bustling spice trade network.

In the 17th century, the Dutch East India Company (VOC) gained control of Makassar after the signing of the Treaty of Bongaya, which led to the decline of the Gowa Sultanate. This era marked the beginning of Makassar's colonial period, during which the Dutch used the city as a strategic point in their expansion into the Indonesian archipelago.

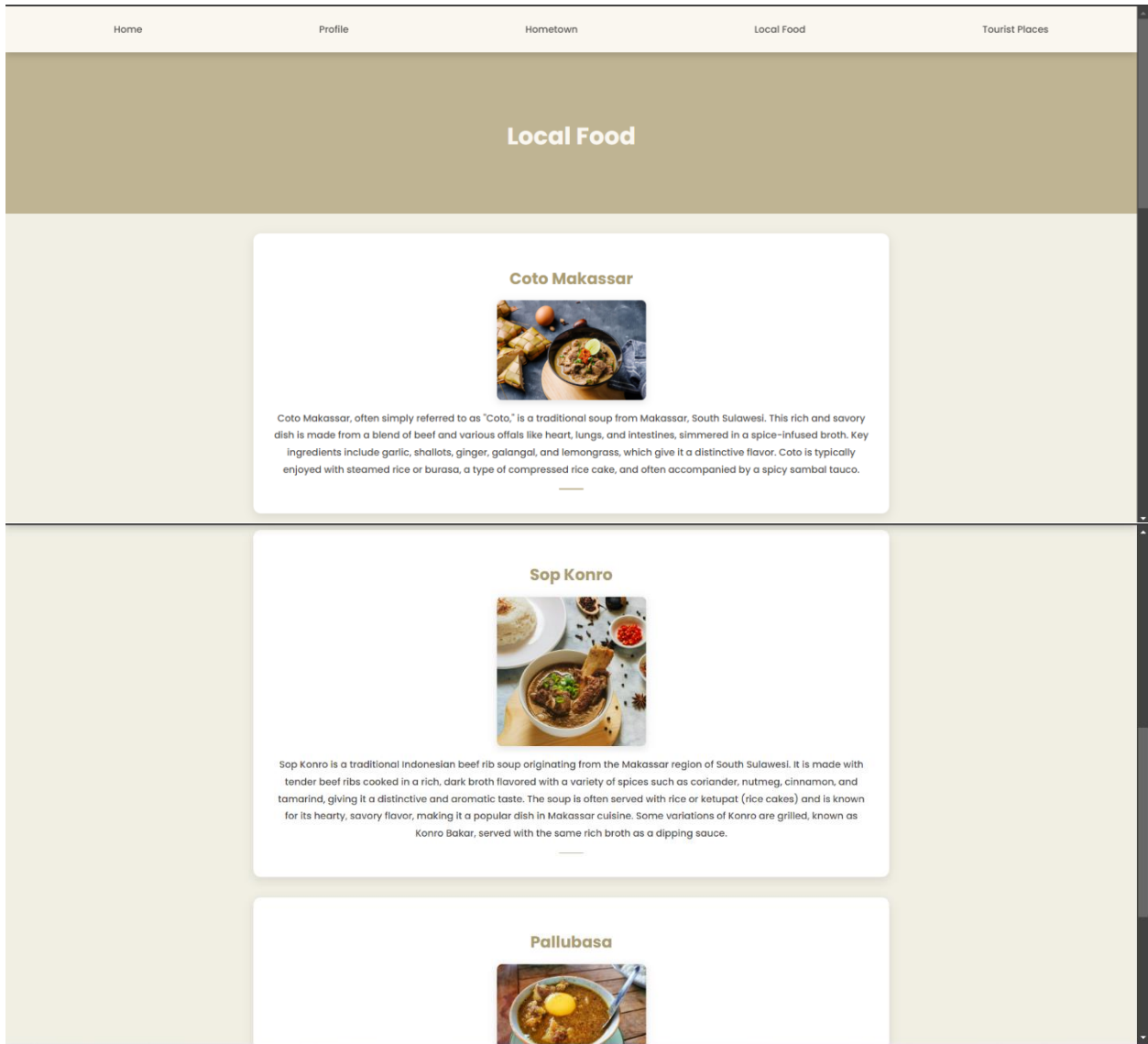
During World War II, Makassar was occupied by Japanese forces, which led to significant changes in the city's infrastructure and economy. After Indonesia gained its independence from the Dutch in 1945, Makassar played a key role in the country's national development. The city was officially renamed Makassar in 1971, reverting to its historical name after being known as Ujung Pandang during the colonial period.

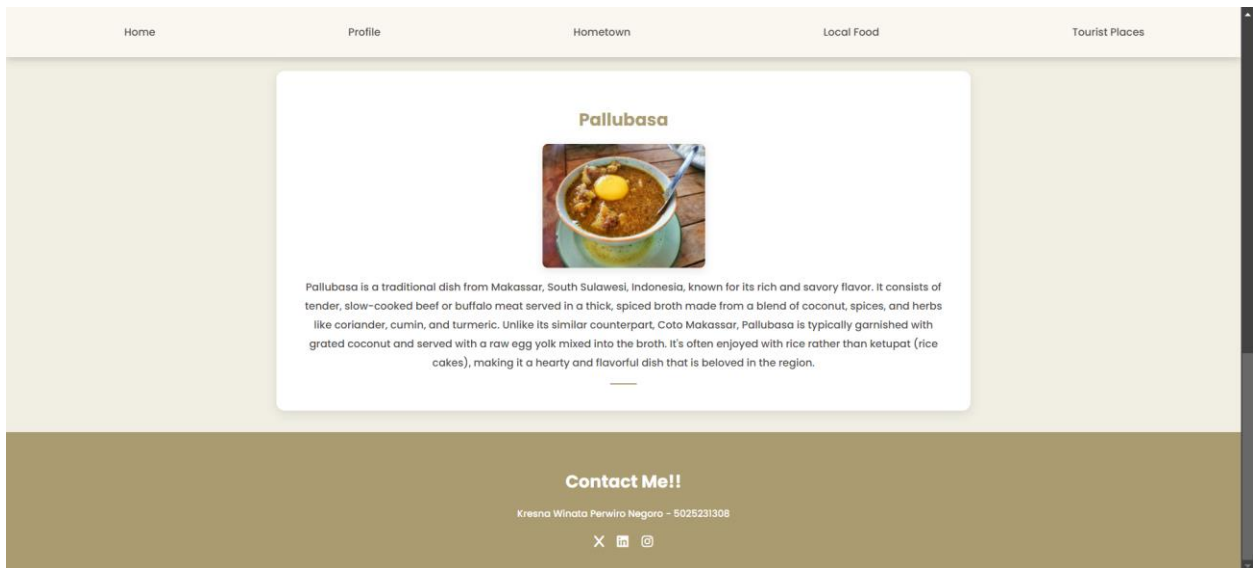
Today, Makassar continues to serve as a critical port city and a gateway to eastern Indonesia. Its rich historical legacy, combined with its modern development, makes it an important cultural and economic hub in the region.



Local Food

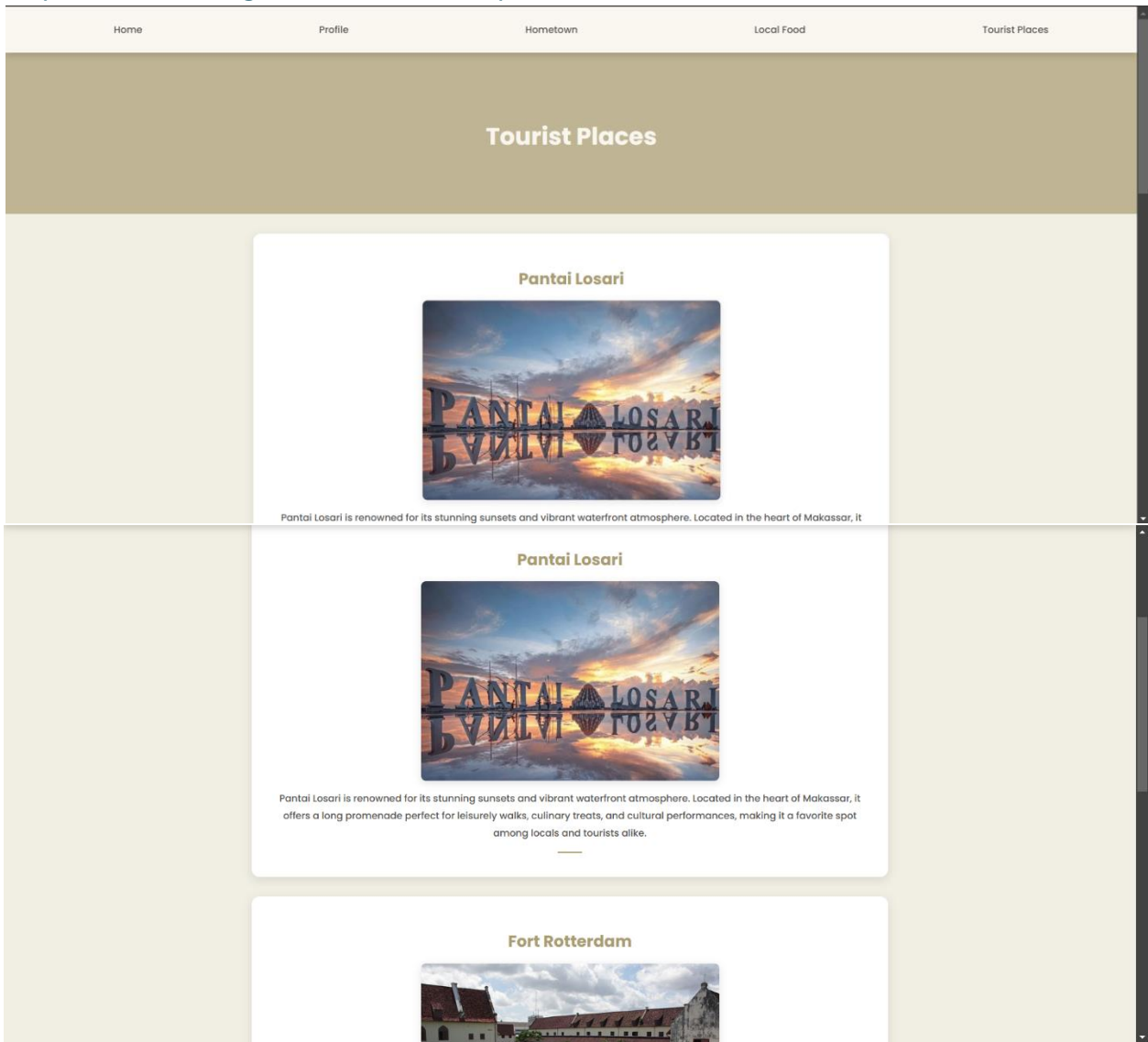
<https://whaleees.github.io/WebPro/quiz1/food/>

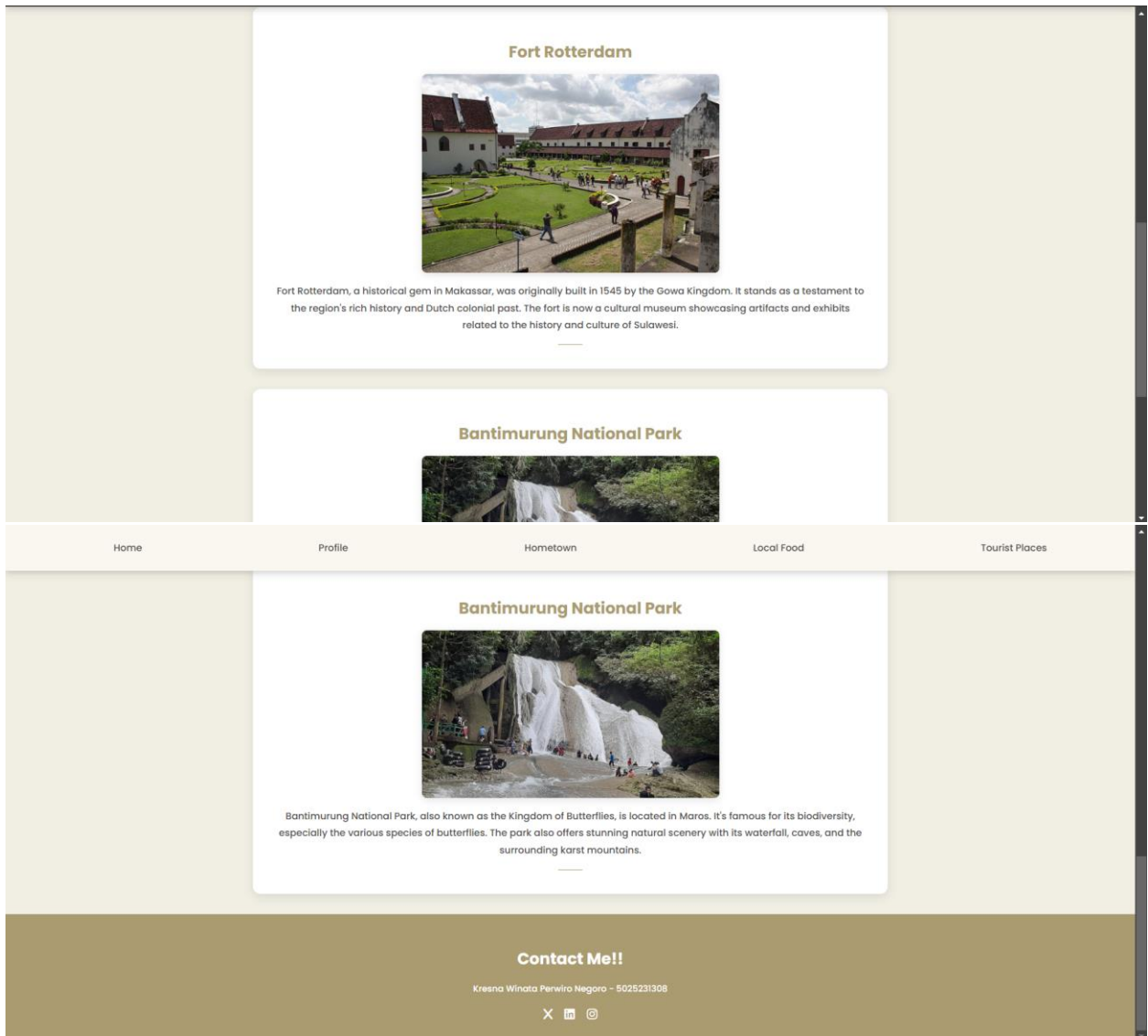




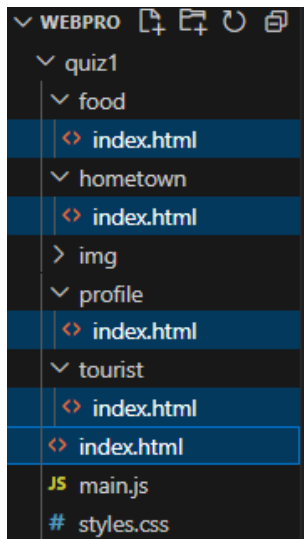
Tourist Places

<https://whaleees.github.io/WebPro/quiz1/tourist/>





D. Routing Explanations



The routing follows a pattern where each page of the website corresponds to a specific URL path under the base path /quiz1. In web servers, if we navigate to a directory, the server typically serves the index.html file as default.

- Homepage URL : mydomain/quiz1
- Profile URL : mydomain/quiz1/profile
- Hometown URL : mydomain/quiz1/hometown
- Local Food URL : mydomain/quiz1/food
- Tourist Places URL : mydomain/quiz1/food

E. Conclusions

In summary, this report outlines the creation of a responsive webpage utilizing HTML, CSS, and JavaScript. CSS was used to style the layout, ensuring the design is aesthetically pleasing and adaptable across different devices. JavaScript was implemented to add interactivity, enabling features such as a dynamic navigation bar, smooth scrolling, and fade-in animations throughout the webpage.

You can access it on : <https://whaleees.github.io/WebPro/quiz1/>

Source Code : <https://github.com/whaleees/WebPro/tree/main>

Declaration :

" By the name of God Almighty, herewith I pledge and truly declare that I have solved quiz 1 by myself, didn't do any cheating by any means, didn't do any plagiarism, and didn't accept anybody's help by any means. I am going to accept all of the consequences by any means if it has proven that I have done any cheating and/or plagiarism. "

Surabaya, 26 September 2024



Kresna Winata Perwiro Negoro
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