



SCHOOL OF COMPUTER SCIENCES
UNIVERSITI SAINS MALAYSIA

CAT201 – Integrated Software Development Workshop

Semester 1, 2024/2025

Assignment 2

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1.0 Description

Our project focuses on creating an engaging and informative web page to promote Penang's diverse attractions using modern web development tools like Node.js and React.js. Its responsive design adapts effortlessly to both mobile and laptop screens, providing a consistent and user-friendly interface across various devices. The webpage highlights categories such as tourism spots, food & beverages, hotels, and events, making it a one-stop platform for visitors planning their trip to Penang. Each team member contributed to a specific category, ensuring a well-rounded and collaborative effort.

When first entering the website, you will see a dynamic header with smooth scroll-based animations, including zoom effects on images and text as the user scrolls. It features a navigation bar for easy navigation with smooth scrolling to sections like "Tourism Spots" , "Food & Beverages" and so on. There is also a Penang logo at the top left corner that scrolls the page back to the top when clicked.

As you scroll down, you will see a hero page with three pages which contains two arrows at two sides of the hero page, enabling you to navigate through three pages: "About us", "History", and "Pearl of the Orient".

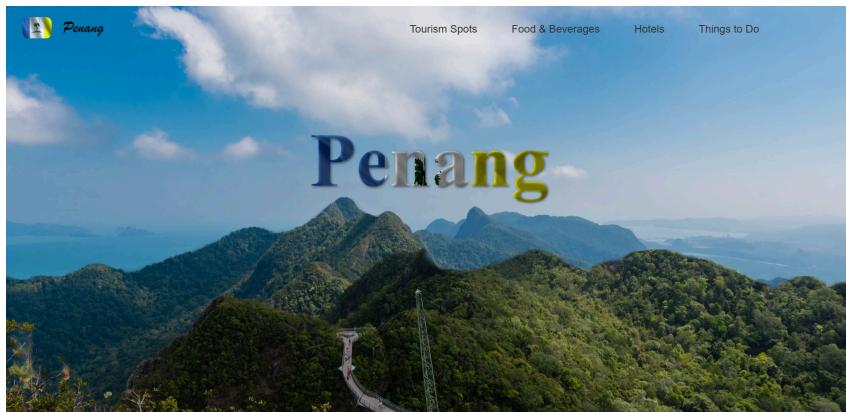
If you keep scrolling, you will encounter sections on tourism spots, food and beverages, hotels, and things to do in Penang, each offering a dynamic experience with images, ratings, and detailed descriptions. The tourism spots section highlights various locations with captivating visuals and in-depth information, while the food and beverages section invites you to explore local dishes, complete with descriptions and ratings. The hotels section showcases hotel cards with essential details and ratings, and the things to do section presents an interactive grid layout with activity cards, enabling users to dive into the activities with smooth scrolling and image carousels.

Before reaching the end of the webpage, you will see a video section featuring an embedded YouTube video titled "Welcome to Penang!". The clean, centered layout provides an engaging way to conclude the webpage while offering a visual introduction to Penang's attractions.

Lastly you will see a footer featuring sections for **Follow Us**, linking to social media, **Quick Links** for smooth navigation to webpage sections, and **Contact Us** with contact details. It includes a "Scroll to Top" button and is fully responsive, ensuring a clean and user-friendly experience across devices.

2.0 Design Screenshot

Starting page:

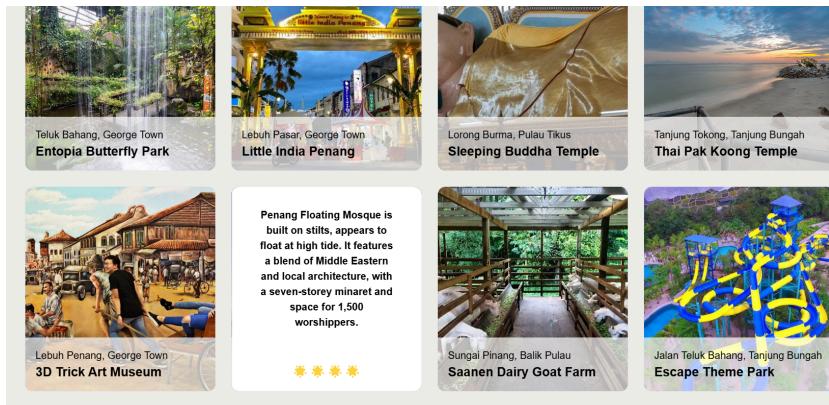


Hero Page:

An aerial view of the coastal city of George Town, showing modern buildings and infrastructure. The title "About Penang" is displayed prominently. A descriptive text box highlights Penang's status as a UNESCO World Heritage Site and its strategic location along the Strait of Malacca.

Tourism spot section:

A section titled "Tourism Spots" featuring four main image cards: Entopia Butterfly Park, Little India Penang, Sleeping Buddha Temple, and Thai Pak Koong Temple. Each card includes a small image and a caption.



Food & beverage section:

Penang

Tourism Spots Food & Beverages Hotels Things to Do

Food & Beverages

Discover Penang's vibrant culinary scene, where flavorsome traditions meet modern creativity in a delightful harmony.

Lebuh Keng Kwee, George Town
Teochew Chendul

Lebuh Campbell, George Town
Nasi Kandar

Beach Street George Town
Hokkien Mee

Padang Kota Lama, George Town
Pasembur

Penang

Tourism Spots Food & Beverages Hotels Things to Do

Discover Penang's vibrant culinary scene, where flavorsome traditions

Nasi Kandar

Location: Lebuh Campbell, George Town

The Indians, whether Muslim or Hindu faith, had given Penang its most famous and sought-after cuisine – the nasi kandar. People have been known to travel from all over just to score a plate of rice utterly drenched in at least two types of lively-flavoured curries accompanied by fried chicken, fish, mutton or seafood and a myriad of vegetables. What started as peddling rice and curries, hand-carried in pots to port workers in Penang, nasi kandar has certainly come a long way since then.

★★★★★

Hotels section:

The screenshot shows the 'Hotels' section of the Penang tourism website. At the top, there's a navigation bar with the Penang logo, followed by links for Tourism Spots, Food & Beverages, Hotels, and Things to Do. The main heading 'Hotels' is centered above a brief descriptive text: 'Explore the finest accommodations in Penang, offering a harmonious blend of comfort, luxury, and heritage.' Below this, four hotel cards are displayed in a row:

- Eastern & Oriental Hotel**
10 Lebuh Farquhar, George Town
★★★★★
- The Prestige Hotel**
8 Gat Lebuh Gereja, George Town
★★★★
- G Hotel Gurney**
168A, Gurney Dr, George Town
★★★★
- Lone Pine Hotel**
97 Batu Ferringhi, Batu Ferringhi
★★★★

Below these cards, there's another row of hotel cards:

- Eastern & Oriental Hotel**
10 Lebuh Farquhar, George Town
★★★★★
- The Prestige Hotel**
8 Gat Lebuh Gereja, George Town
★★★★
- G Hotel Gurney**
168A, Gurney Dr, George Town
★★★★
- Lone Pine Hotel**
97 Batu Ferringhi, Batu Ferringhi
★★★★

Finally, there's a row of three additional cards:

- Hotel Penaga**
Corner of Hutton Lane & Transfer Road, George Town
★★★★★
- Shangri-La's Rasa Sayang Resort & Spa**
Batu Ferringhi Beach, Batu Ferringhi
★★★★★
- The Blue Mansion**
Stay in a piece of Penang's history at The Blue Mansion. This iconic heritage building combines boutique accommodation with fascinating guided tours of its storied past. A truly unique experience for culture enthusiasts.

The last card in this row is partially visible:

- JEN Penang Georgetown by Shangri-La**
Magazine Road, George Town
★★★★★

Things to do section:

The screenshot shows the 'Things to Do' section of the Penang tourism website. At the top, there's a navigation bar with the Penang logo, followed by links for Tourism Spots, Food & Beverages, Hotels, and Things to Do. The main heading 'Things to Do' is centered above a brief descriptive text: 'Indulge in an awe-inspiring adventure of a lifetime. Enjoy fun times with your family, explore the wilderness, and taste the mouth-watering cuisine of Malaysia.' Below this, four activity cards are displayed in a row:

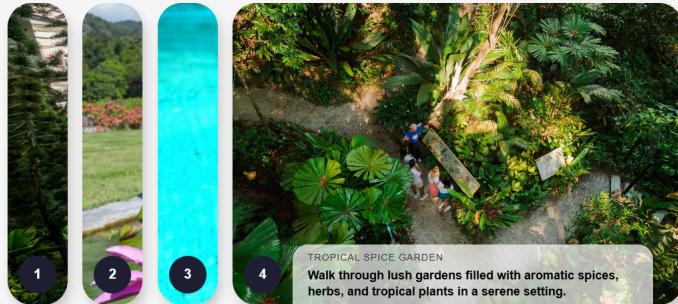
- Island & Beaches**
- Culture & Heritage**
- Family Fun**
- City Excitement**

Below these cards, there's another row of two cards:

- Adventure**
- Wildlife**

Nature & Adventure

Hike through lush forests, explore hidden trails, or take a scenic ride up Penang Hill. For nature lovers, Penang National Park offers amazing wildlife and coastal beauty.



Video section:

A video player interface. At the top left is the Penang logo. To the right are navigation links: Tourism Spots, Food & Beverages, Hotels, and Things to Do. The main title "Welcome to Penang!" is centered above a video frame. The video frame shows a woman in a purple traditional outfit smiling. The text "Penang Tourism Ambassador - Datuk Nicol David Welcomes you to Penang!" is overlaid on the top left of the video. On the top right is a circular "Watch Later" button with the text "Watch Later & Share PENANG". At the bottom left of the video frame is a "Watch on YouTube" button. The video frame has a dark border.

Footer Section:

A dark footer section. At the top left is a "Follow Us" section with icons for Instagram, Facebook, and Twitter. In the center is a "Quick Links" section with links to About Us, Tourism Spots, Food & Beverages, Hotels, and Things to Do. To the right is a "Contact Us" section with phone number (H.P: 012-345 6789), email (Email: penang@gov.my), and fax number (Fax: 1234 5678). At the bottom right is a circular arrow icon pointing upwards.

3.0 Division of Work

Name	Tasks
Teh Chun Shen	<ul style="list-style-type: none">- Develop opening scene section code- Implement navigation bar- Code for Foods & Beverages section- Final alignment and design adjustments
Law Zhe Yin	<ul style="list-style-type: none">- Create introduction section- Develop Tourism Spots section- Video recording & editing
Choo Yit Shern	<ul style="list-style-type: none">- Code for Hotels section- Prepare and finalize the project report
Liew Zhe Xian	<ul style="list-style-type: none">- Code for footer- Develop Things to Do section- Final alignment and design adjustments

4.0 Web link

<https://assignment-2-ckpkp5owl-tehcs-primes-projects.vercel.app/>

5.0 Github link

[TehCs-Prime/TehCs-Prime.github.io: CAT Assignment 2](https://TehCs-Prime/TehCs-Prime.github.io)

6.0 Presentation video link

<https://youtu.be/hQnVeRb8IRs>