



FPT ACADEMY INTERNATIONAL

FPT – APTECH COMPUTER EDUCATION

DNBC NEWS WEBSITE

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Duration	Start date: December 23, 2023 End date: January 23, 2024		

This is to certify that:

Mr.:

Nguyen Minh Hoang

Huynh Gia Phu

Le Trong Tri

Ngo Minh Tuan

has sucessfully designed and developed:

DNBC News Website

Submitted by:

Ngo Minh Tuan

Date of issue:

Authorized Signature:

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ACKNOWLEDGEMENT

On behalf of team members. I would like to thank everyone who supported my team to successfully complete this eProject report. Especially, our teacher, she has supported us a lot since we started studying at FPT Aptech. With this eProject, she guided us very meticulously, enthusiastically and strictly. With her guidance, we were able to successfully complete this project. Besides, I also want to thank all the team members, each of whom worked hard to complete the eProject in earnest during the month of working together. Finally, our group would like to say thank you to my classmates and family for sharing and creating for the group the best environment to focus on the project, motivating the members to achieve their goals.

SYNOPSIS

The goal of the eProject is that we need to create a website that meets all the requirements of the client, DNBC. DNBC is an established name in the News and Reporting industry. Their Main Office is located in London and they have a network of reporters from around the world. The goal of this website is to help DNBC's news and information be available faster to their readers and subscribers. The website will also help readers search and read news from any location worldwide.

PROBLEM DEFINITION

The Web site is to be created based on the following requirements:

- 1) The Home Page with headlines and other major activities happened should be provided. (Also, navigational link must be included.)
- 2) The website must provide information like "About us", "Today in World", "Sports", "Business", "Contact us" etc.
- 3) Each section must provide proper listing of news along with brief information.
- 4) Also, each link must be properly hyperlinked, images must be used wherever necessary.
- 5) Facts and figures related to News should be provided.

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- 6) Feedback page must show the feedback form and user can input information and send to DNBC.
- 7) Contact Us page must flash the address and location on map of the offices of DNBC.
- 8) About Us page display DNBC information along with goals and objectives.
- 9) Individual pages for various sections of news should be provided with detailed information and images.
- 10) Top Cities of the World (at least 5) should have separate page with some information about various activities happening in those cities.
- 11) All locations should be displayed using Maps (Geolocation).

CUSTOMER'S REQUIREMENTS SPECIFICATIONS (CRS)

Client: DNBC

Business/Project Objective:

DNBC is a London-based and renowned organization of the News and Reporting industry. With a global network of experienced reporters, DNBC ensures their readers with the latest information and up-to-date articles. Their newspaper includes a range of notable segments to accommodate readers' interests such as: "Today in World", "Sports", "Business",

Here, we are aiming to design a user-friendly online newspaper for DNBC that will allow their readers to access news digitally and more conveniently.

Input to the system:

- Images slider based on users interact.
- News information based on users interact.
- User's information in contact form.

Output from the system:

- Images on slider.
- The site should be able to provide news article in their respective segments.

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- The news information about top cities of the world in the “Today in World” segment

Process:

- Display news articles based on user's interact.
- Display image in slider based on user's interact.
- Validate data input from user.

Expected delivery date: January 23, 2024

List of deliverables:

- Document Word, PDF
- User Guide, Source Code

Hardware/Software Requirements

Hardware

- A minimum computer system that will help you access all the tools in the courses is a Pentium 166 or better
- 64 Megabytes of RAM or better

Software

- Notepad/HTML editor
- Dreamweaver
- IE 5.0/ Netscape 6.0

SCOPE OF THE WORK (IN BRIEF)

After a long and detailed discussion, our group has decided to create a website containing the following webpages:

- Homepage: Displays the menu of segments of the newspaper and most notable news articles.
- Today in World: Displays the title, thumbnail and brief information of the articles of the segment and the locations of the top cities of the world.
- Business, Sports and others: Displays the title, images, thumbnail and brief information of the articles of the respective segments.
- Feedback: Displays the feedback form and allow visitors to send feedback to DNBC.

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- Contact: Displays the location of DNBC and allow visitors to mail or send inquiries to DNBC.
- About us: Displays the information about DNBC

ARCHITECTURE AND DESIGN OF THE SYSTEM

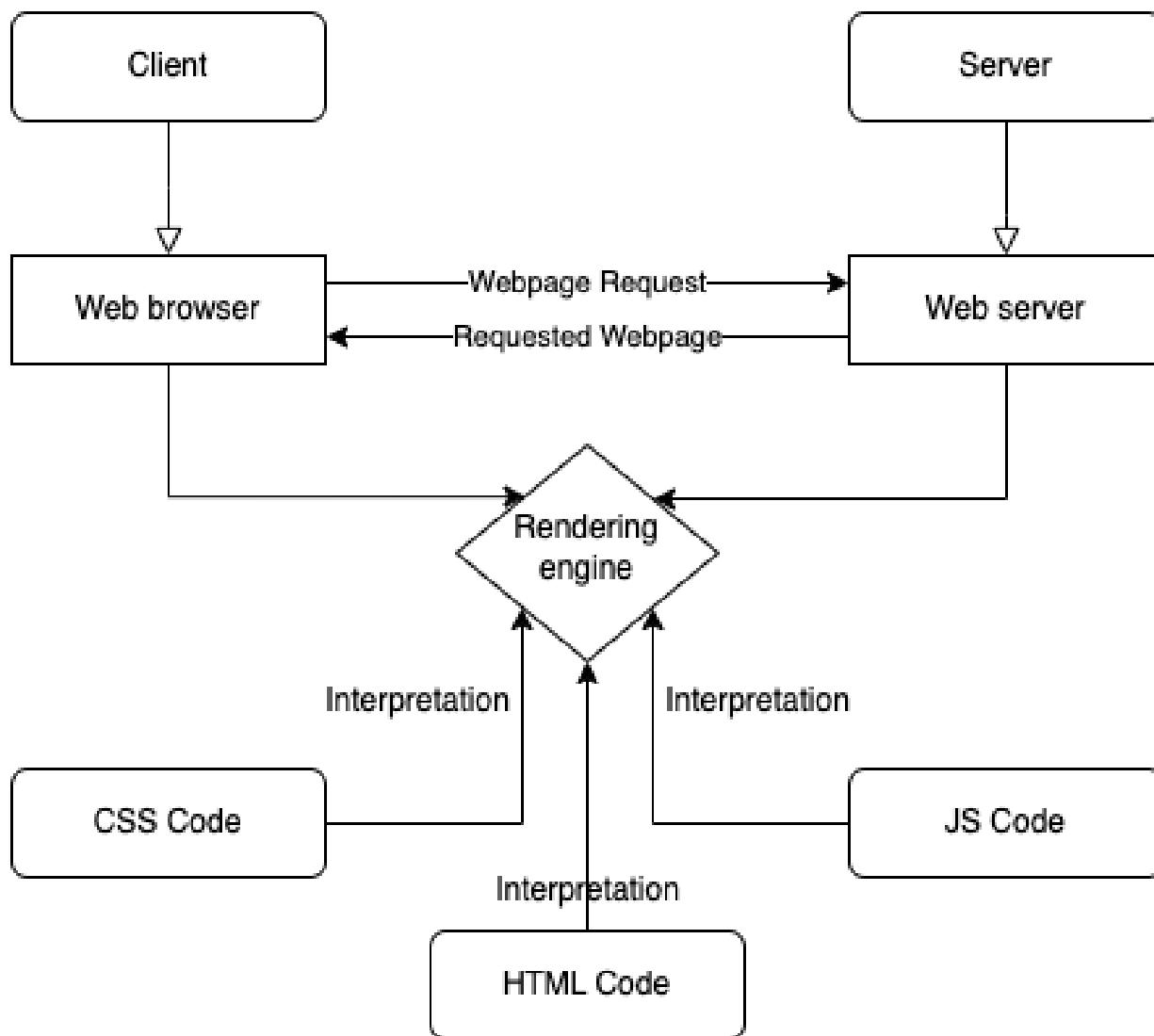
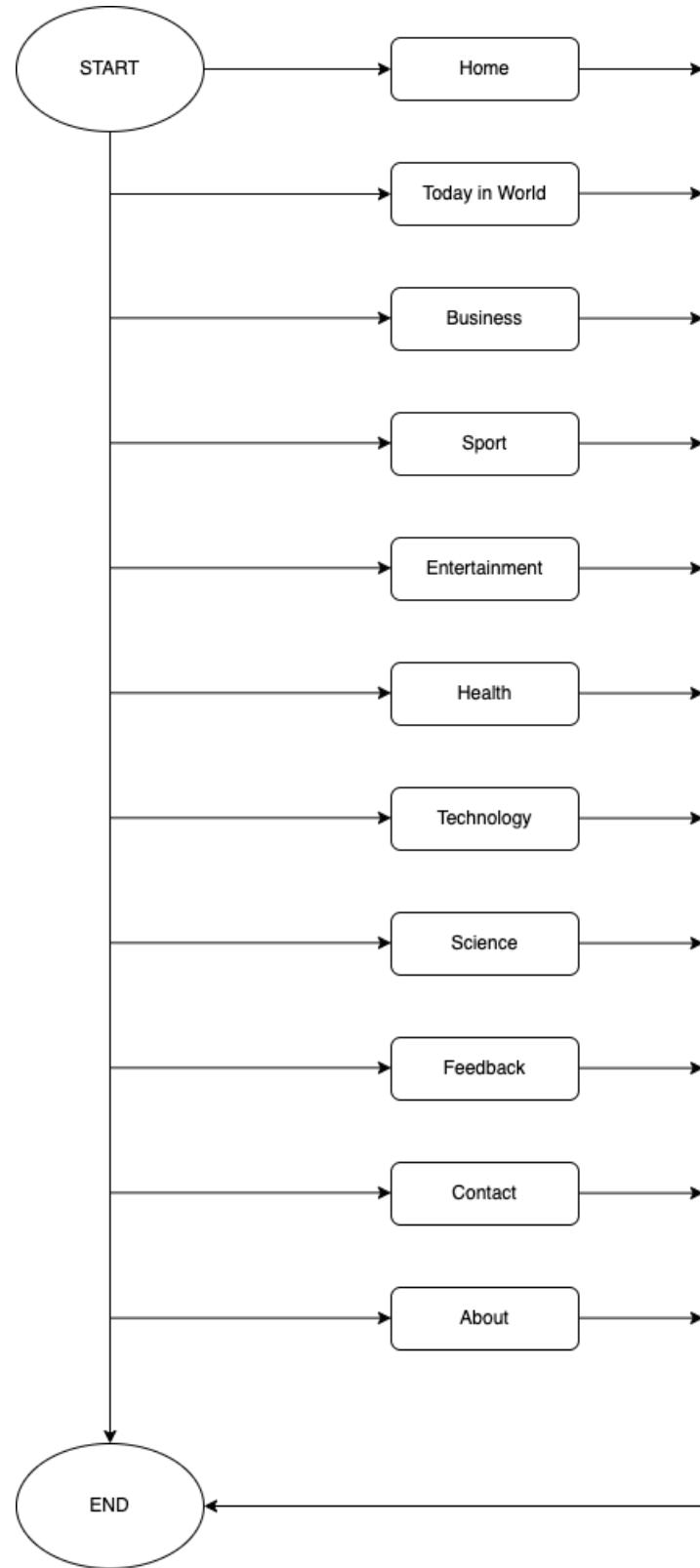


DIAGRAM OF THE WEBSITE

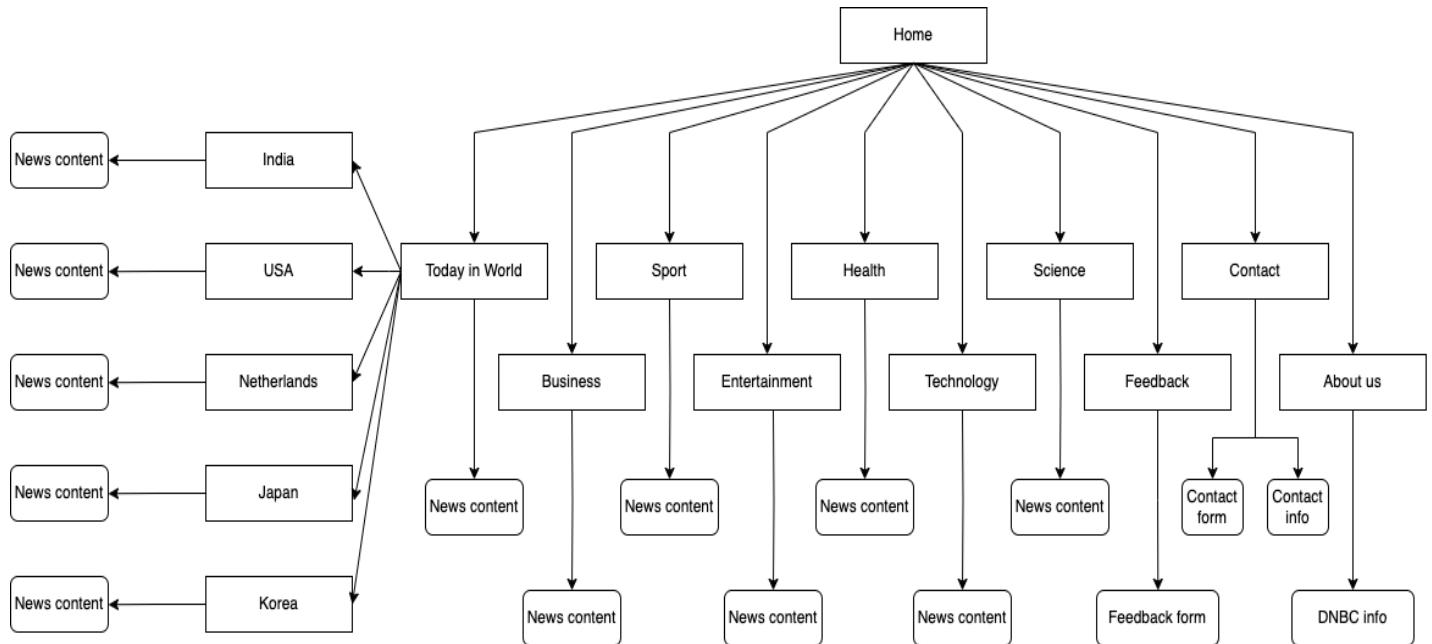


TASK SHEET REVIEW 1

Project Ref. No.:		Project Title:	Activity Plan Prepared By:	Date of Preparation of Activity Plan:			
No.	Task			Actual Start Date	Actual Days	Member Name	Status
1	Problem Statement	DNBC	Tuấn	Dec 23, 2023	1	Phú	Completed
2	Analysis of requirements about the website			Dec 23, 2023	1	Hoàng	Completed
3	The scope of the work (in brief)			Dec 23, 2023	1	Phú	Completed
4	Architecture and design of the system			Dec 23, 2023	1	Tuấn	Completed
5	Diagram of the website			Dec 23, 2023	1	Trí	Completed
6	Task Sheet			Dec 23, 2023	1	Tuấn	Completed

<p>Date:</p> <div style="display: flex; justify-content: space-between;"> <div style="flex: 1; text-align: center;"> <p>Signature of Instructor:</p> <p>Ms. Le Mong Thuy</p> </div> <div style="flex: 1; text-align: center;"> <p>Signature of Team Leader:</p> <p>Mr. Ngô Minh Tuấn</p> </div> </div>	
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SITE MAP



MOCK OF THE WEBSITE

1. Home



Figure 1: Home page

2. Today in World

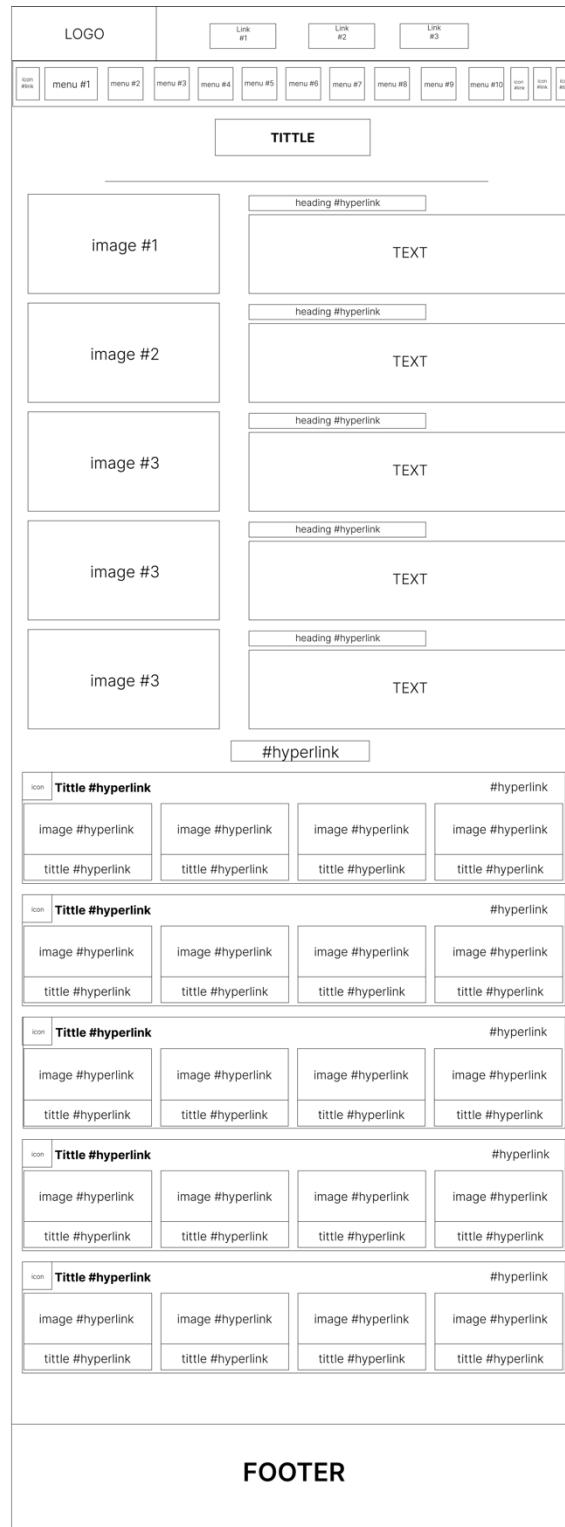


Figure 2: Today in World and Top Countries page

eProjects: DNBC



Figure 3: India

eProjects: DNBC



Figure 4: USA

eProjects: DNBC



Figure 5: Netherlands

eProjects: DNBC



Figure 6: Japan

eProjects: DNBC



Figure 7: Korea

3. Business



Figure 8: Business page

4. Sports



Figure 9: Sports page

5. Entertainment



Figure 10: Entertainment page

6. Health



Figure 11: Health page

7. Technology



Figure 12: Technology page

8. Science



Figure 13: Science page

9. News content

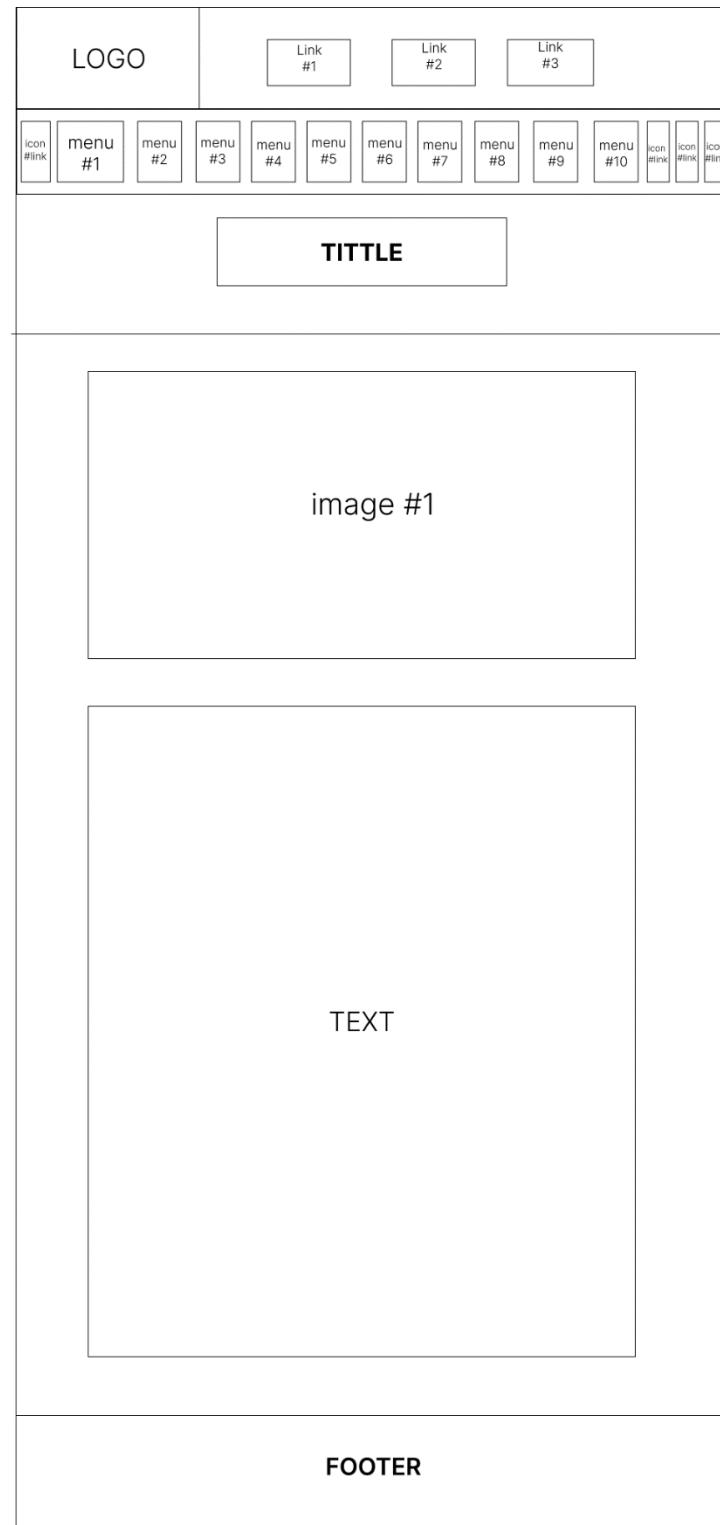


Figure 14: News content page

10. Feedback

LOGO		Link #1	Link #2	Link #3									
icon #link	menu #1	menu #2	menu #3	menu #4	menu #5	menu #6	menu #7	menu #8	menu #9	menu #10	icon #link	icon #link	icon #link
<div style="text-align: center;"><div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">HEADING</div><div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">text</div><div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">Label #1</div><div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">Input #1</div><div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">Label #2</div><div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">Input #2</div><div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">Label #3</div><div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">Input #3</div><div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">Label #4</div><div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">Input #4</div><div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">Label #5</div><div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">Input #5</div><div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">SUBMIT</div></div>													
FOOTER													

Figure 15: Feedback page

11. Contact

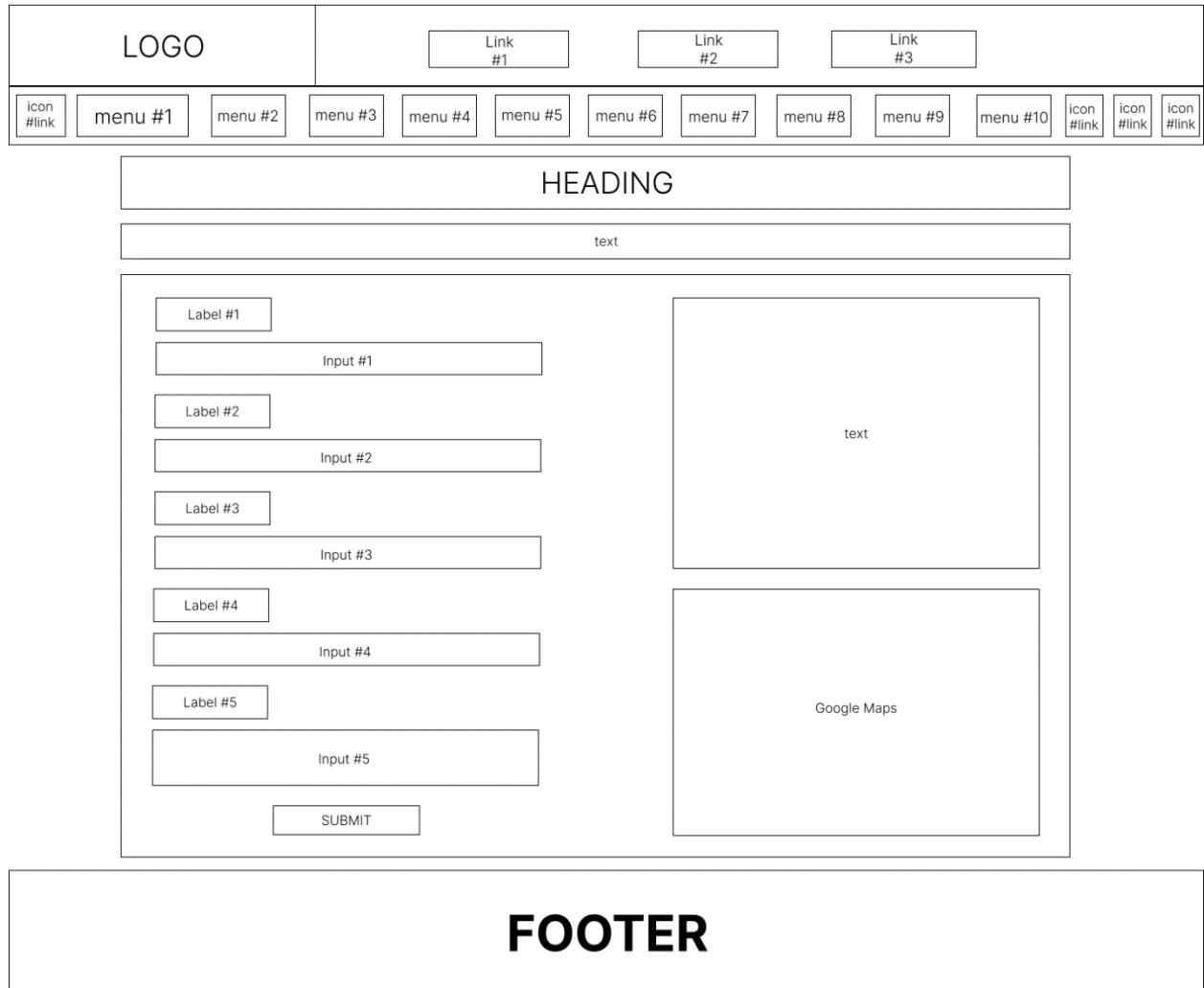


Figure 16: Contact page

12. About Us

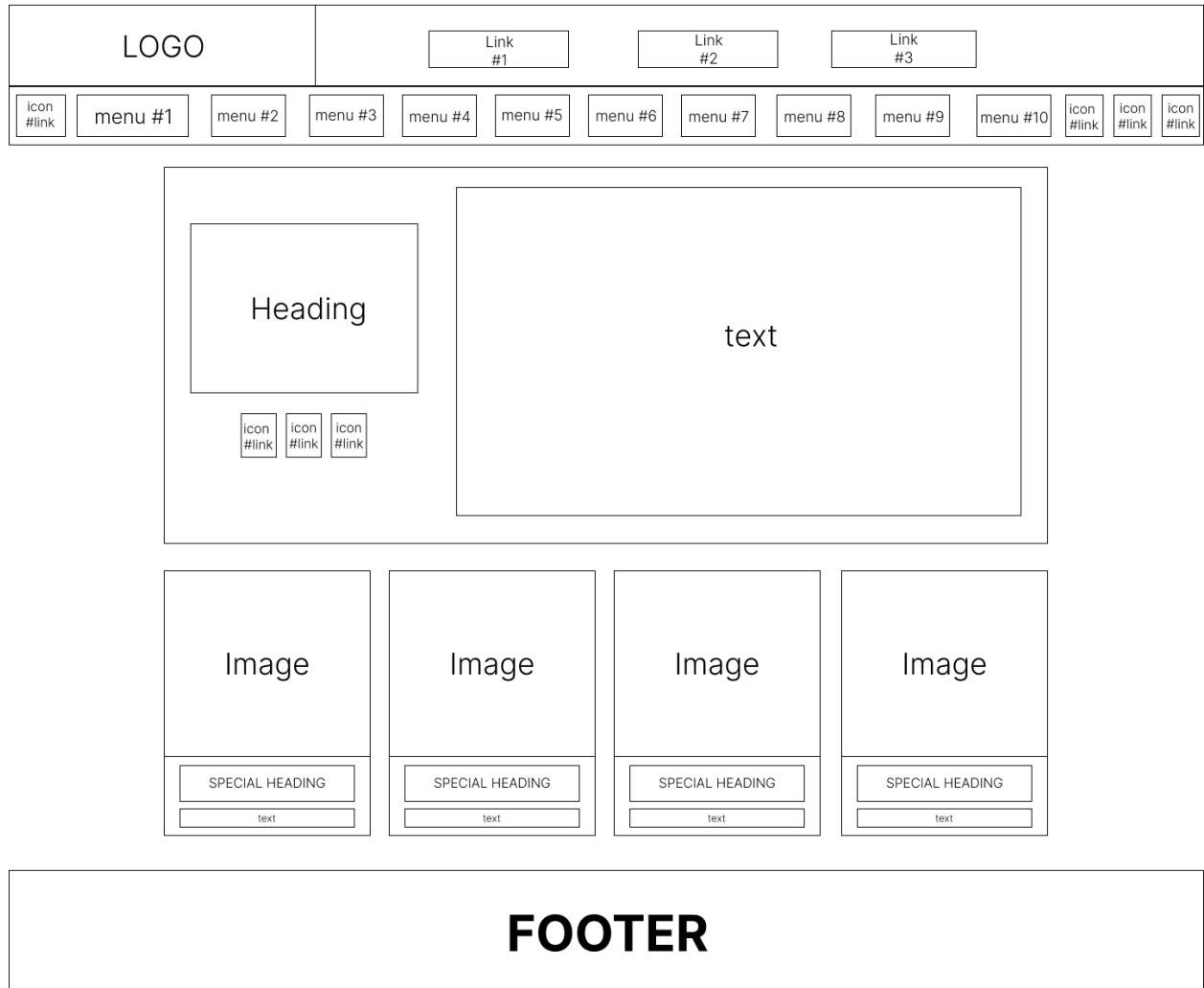


Figure 17: About Us page

TASK SHEET REVIEW 2

Project Ref. No.: eP/Advertisement Portal Management System/01		Project Title:	Activity Plan Prepared By:	Date of Preparation of Activity Plan:			
No.	Task			Actual Start Date	Actual Days	Member Name	Status
1	Site Map	DNBC	Tuấn	Dec 24, 2023	2	Trí	Completed
2	Mock of the Website			Dec 24, 2023	7	Hoàng, Phú, Tuấn	Completed
3	Task sheet			Dec 24, 2023	1	Tuấn	Completed

Date:	
Signature of Instructor: Ms. Le Mong Thuy	Signature of Team Leader: Mr. Ngô Minh Tuấn

WEBSITE DESCRIPTION

1. Home

a) Description

Home page displays the following information

- Top news of the day
- Top news articles of different categories: Business, Sport, Entertainment, Health, Technology, Science

b) Screen shot

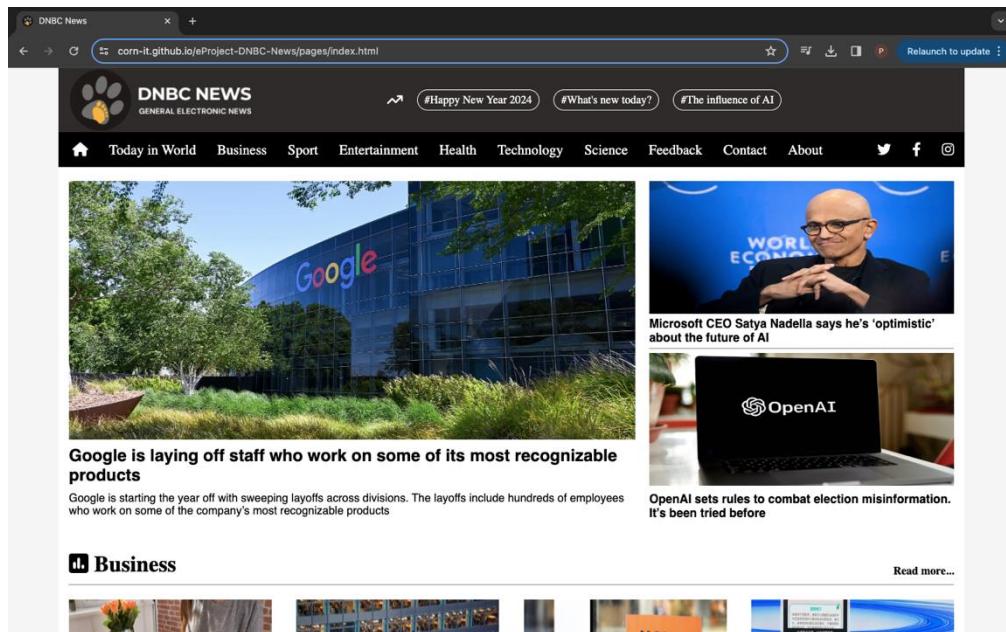


Figure 18: Home – part 1

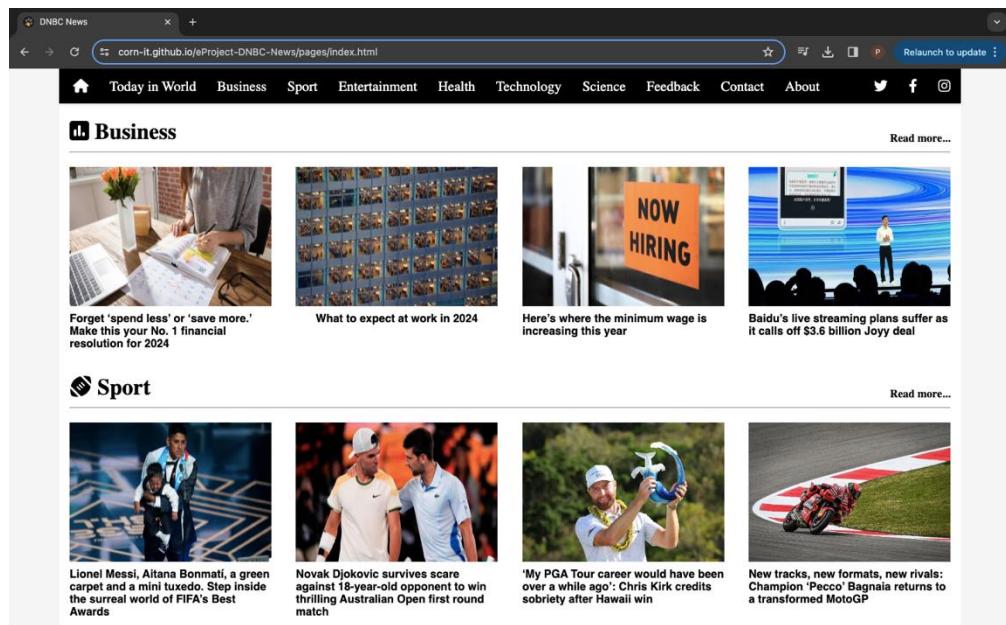


Figure 19: Home – part 2

eProjects: DNBC

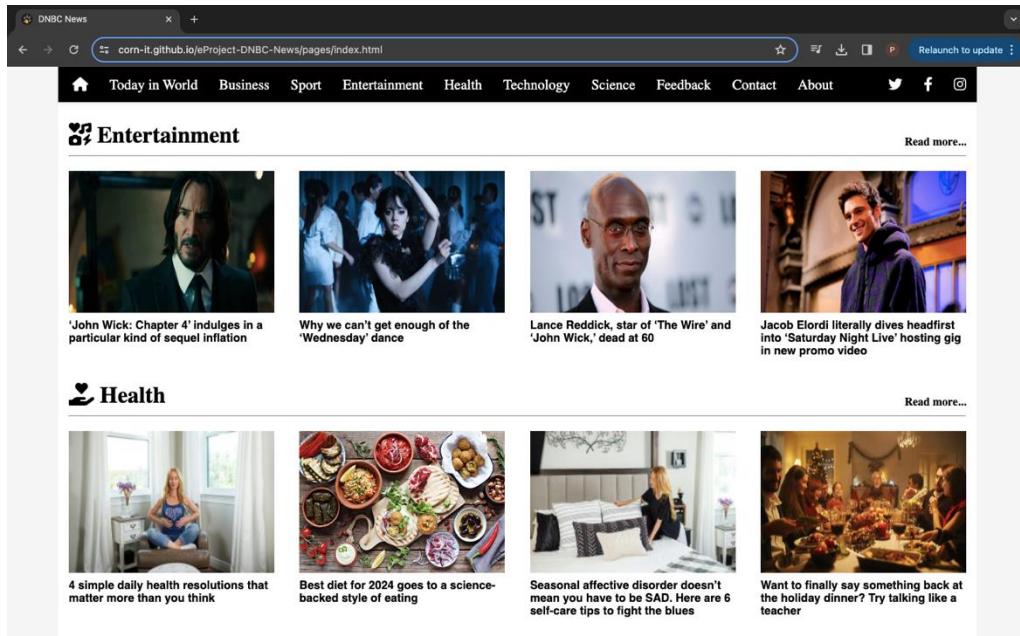


Figure 20: Home – part 3

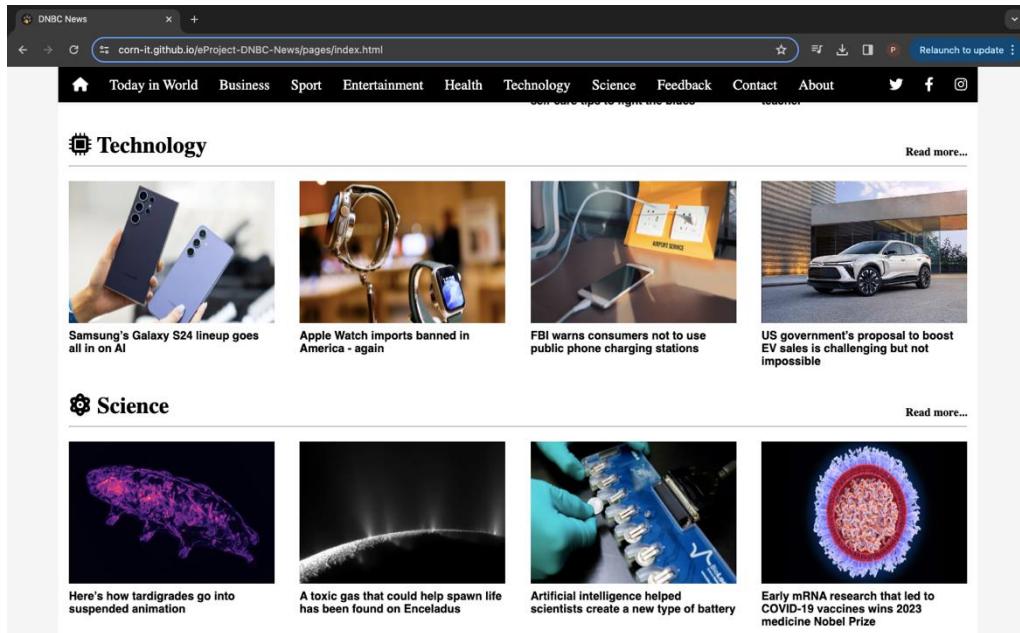


Figure 21: Home – part 4

eProjects: DNBC

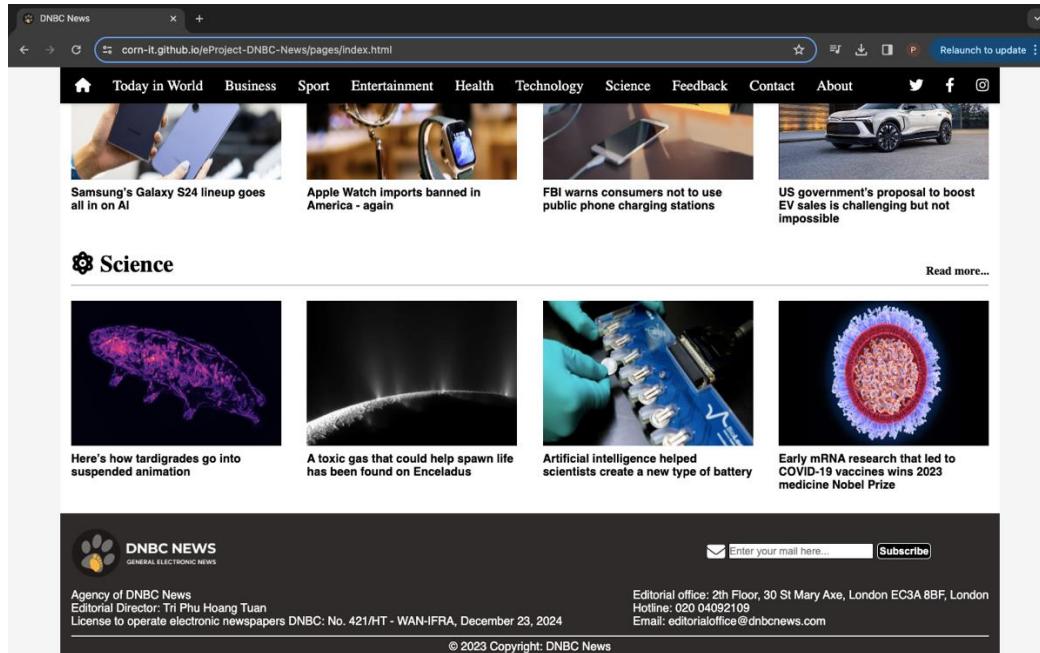


Figure 22: Home – part 5

2. Today in World

a) Description

Today in World page displays the following information

- Top news of Today in World
- Top news articles of different countries: India, USA, Netherlands, Japan, Korea

b) Screenshot

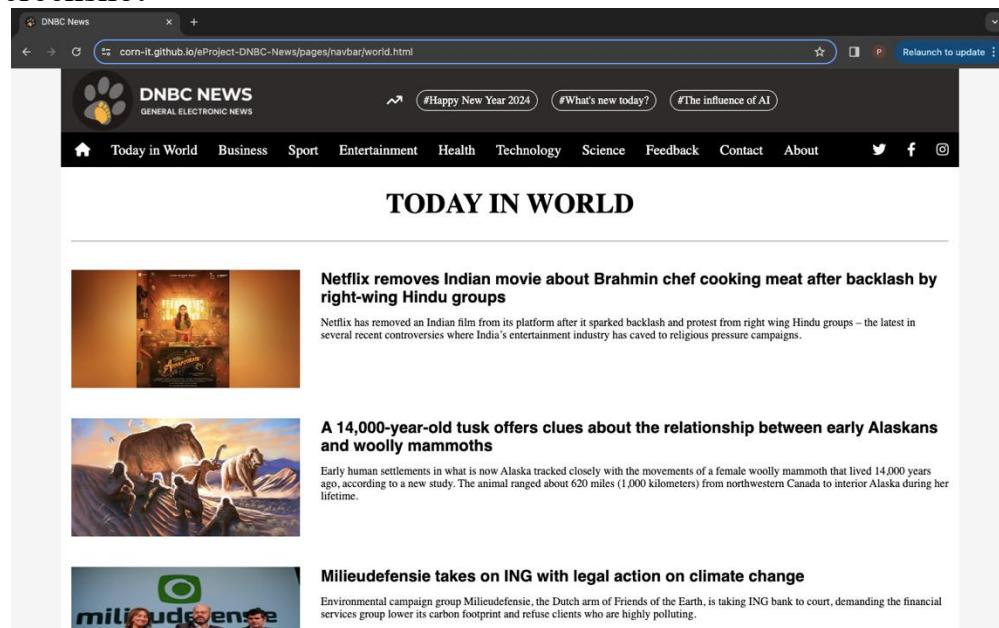


Figure 23: Today in Word – part 1

eProjects: DNBC

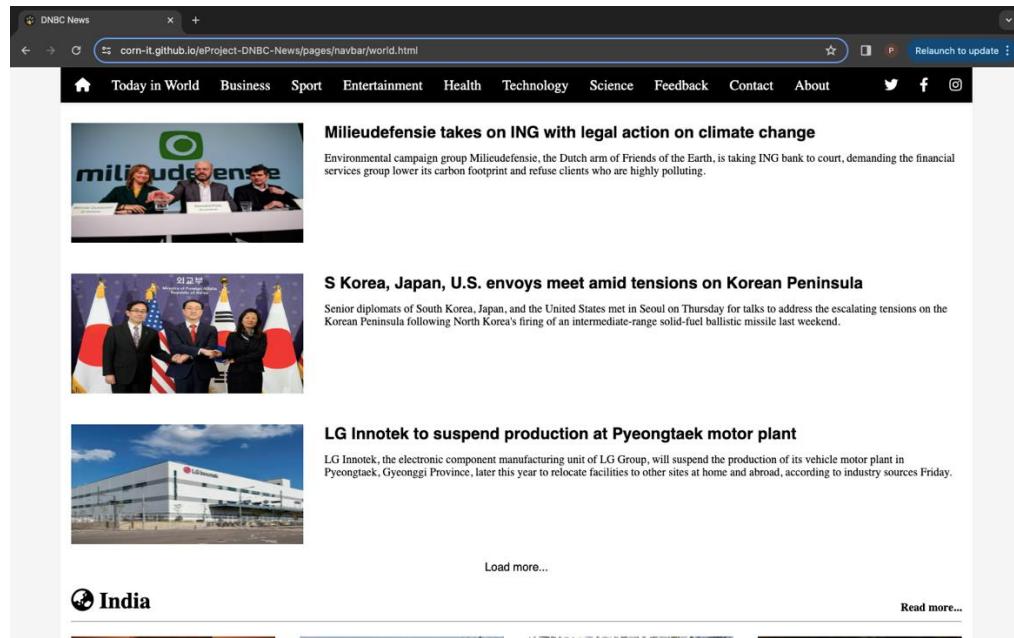


Figure 24: Today in Word – part 2

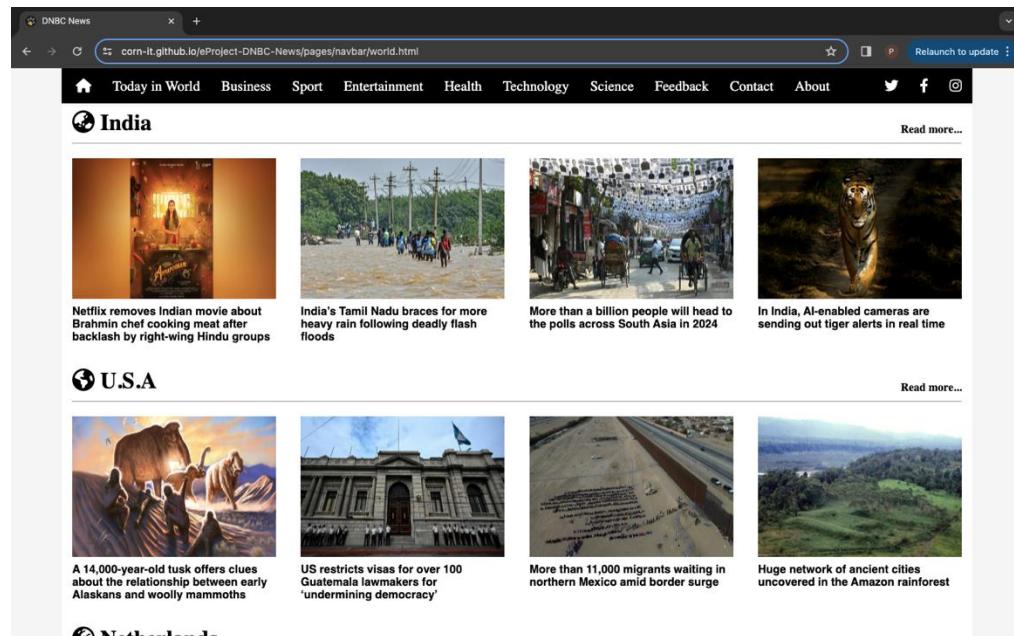


Figure 25: Today in Word – part 3

eProjects: DNBC

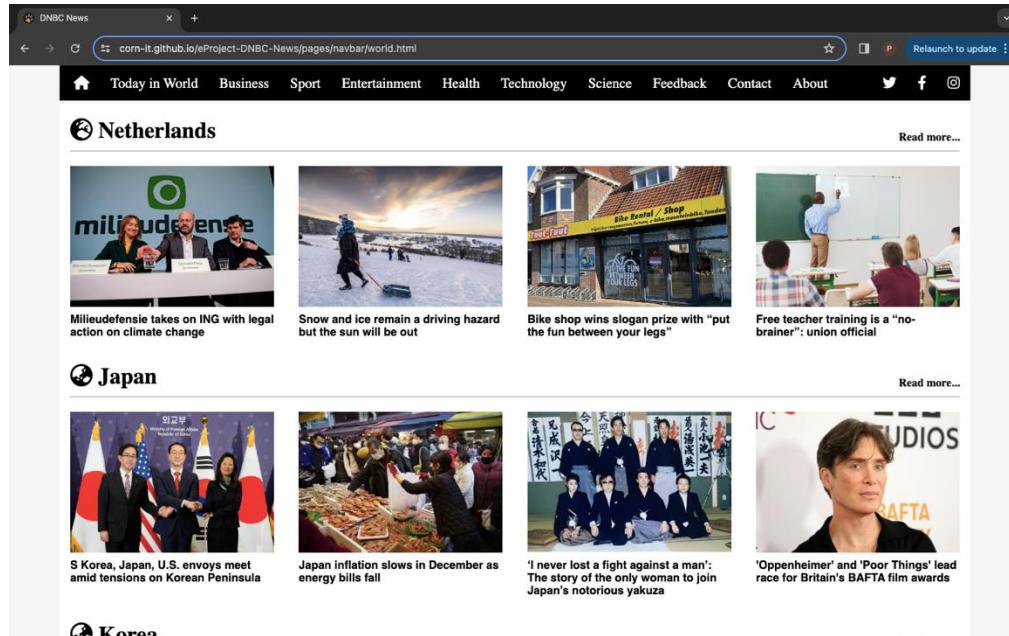


Figure 26: Today in Word – part 4

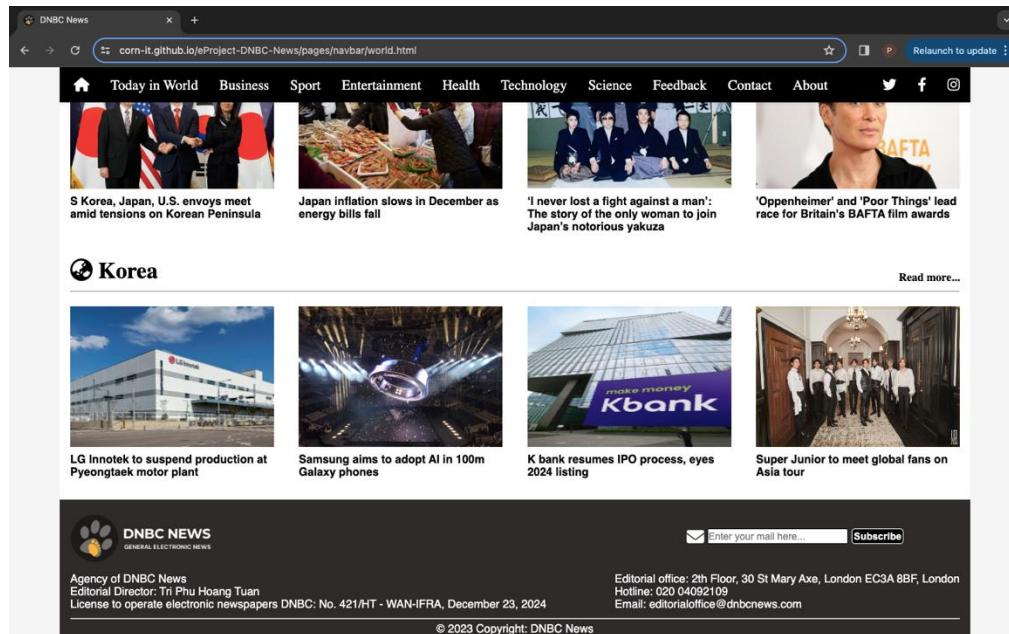


Figure 27: Today in Word – part 5

3. India

a) Description

India page displays the following information

- Top news of India

b) Screenshot

eProjects: DNBC

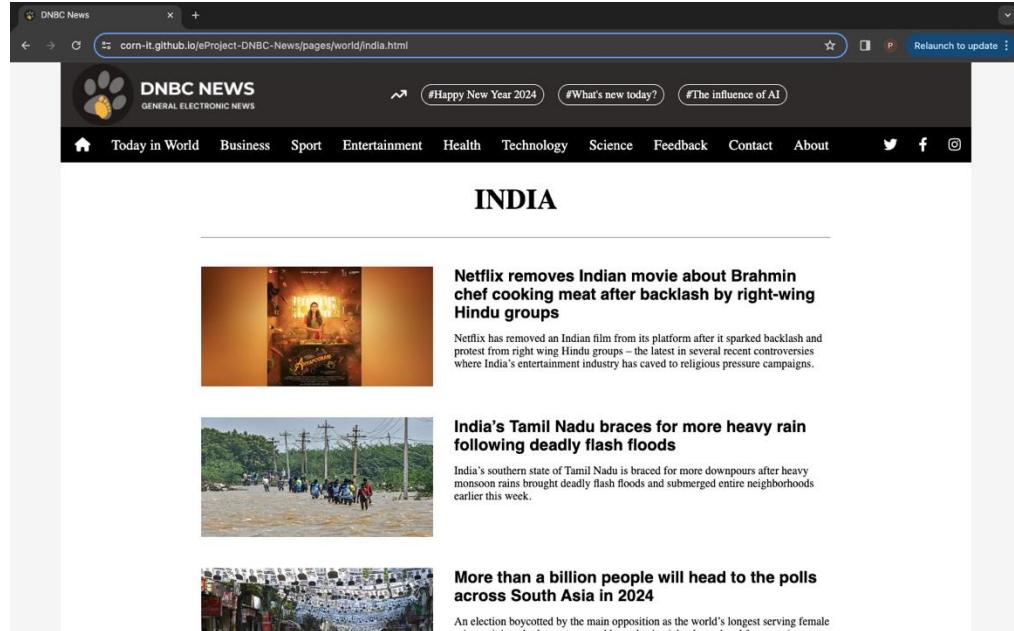


Figure 28: India – part 1

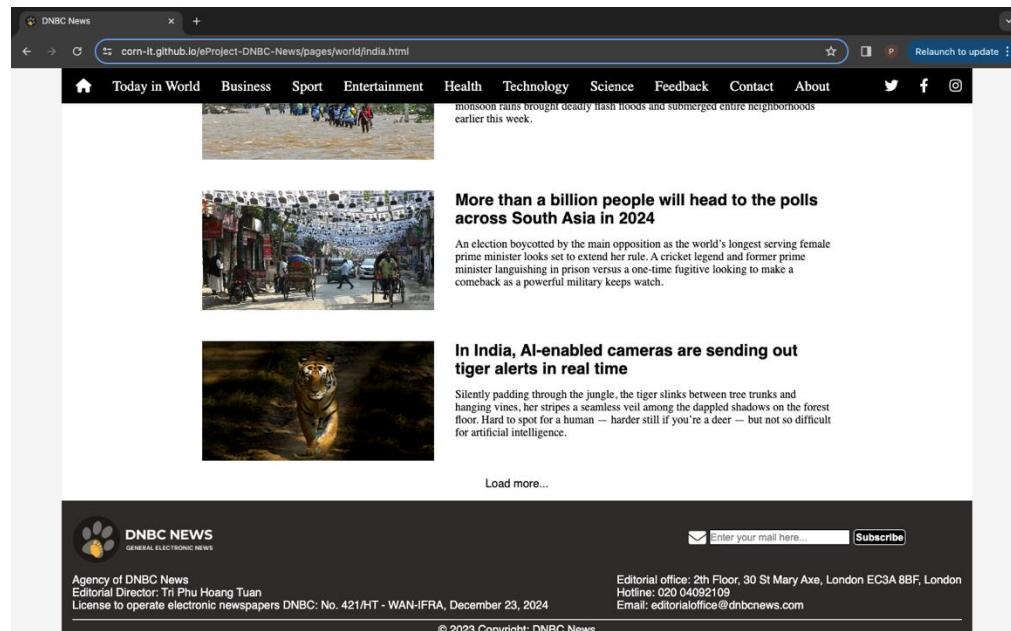


Figure 29: India – part 2

4. USA

a) Description

USA page displays the following information

- Top news of USA

b) Screenshot

eProjects: DNBC

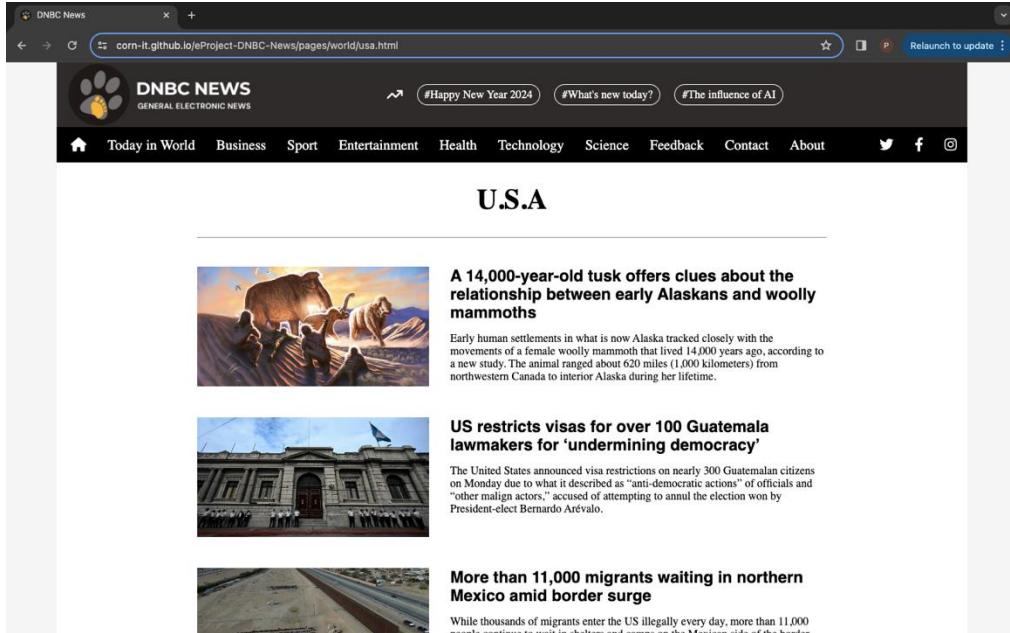


Figure 30: USA – part 1

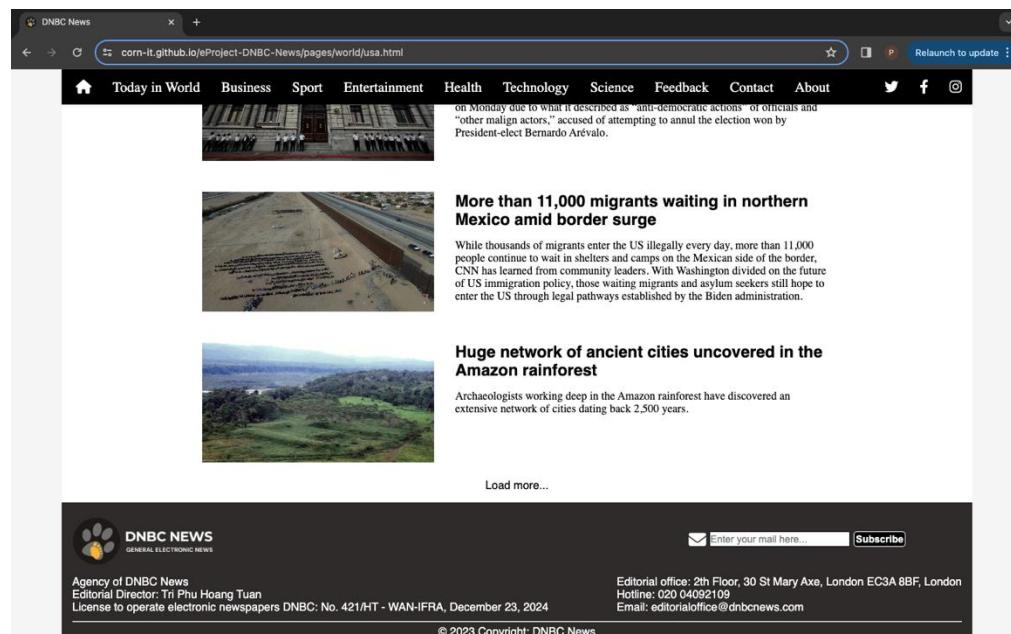


Figure 31: USA – part 2

5. Netherlands

a) Description

Netherlands page displays the following information

- Top news of Netherlands

b) Screenshot

eProjects: DNBC

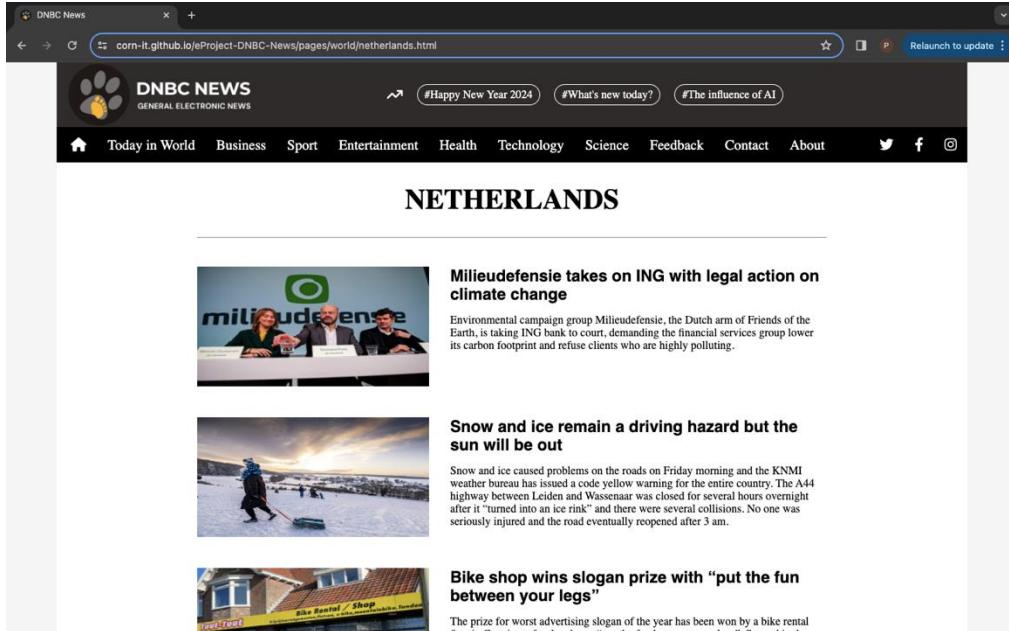


Figure 32: Netherlands – part 1

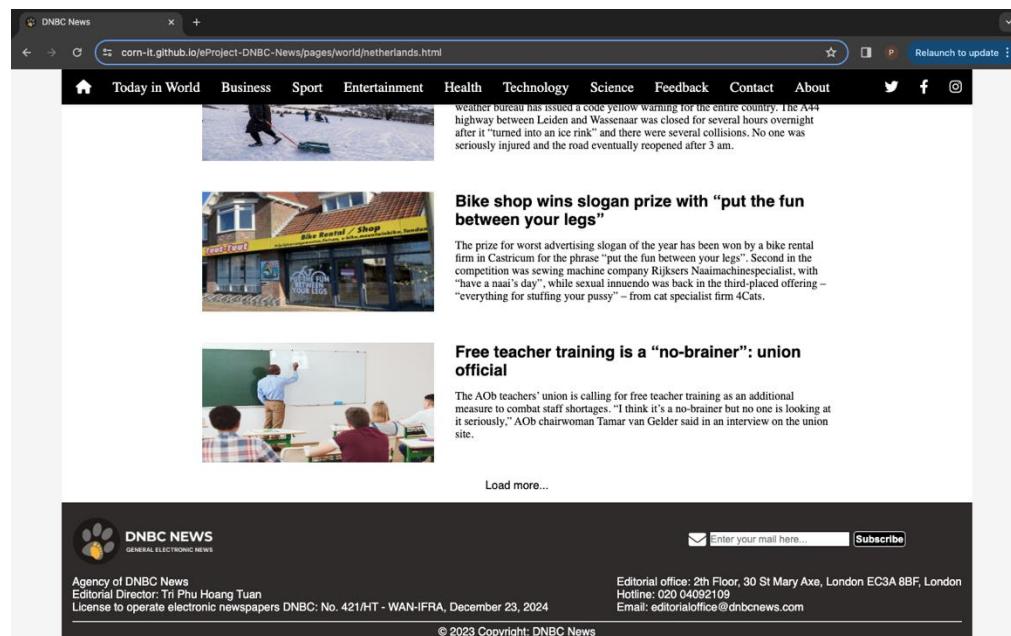


Figure 33: Netherlands – part 2

6. Japan

a) Description

Japan page displays the following information

- Top news of Japan

b) Screenshot

eProjects: DNBC

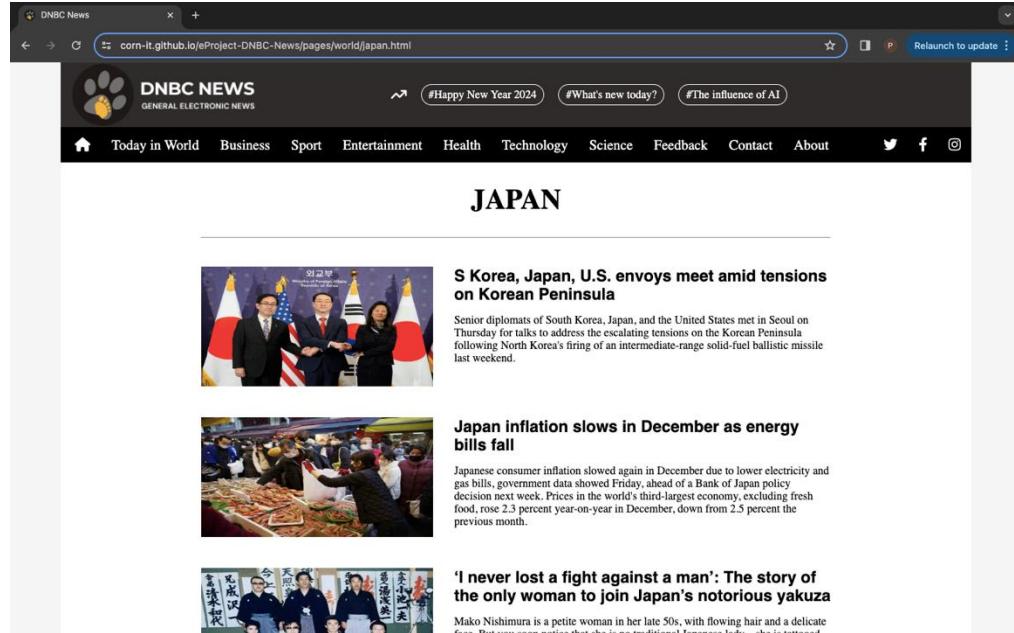


Figure 34: Japan – part 1

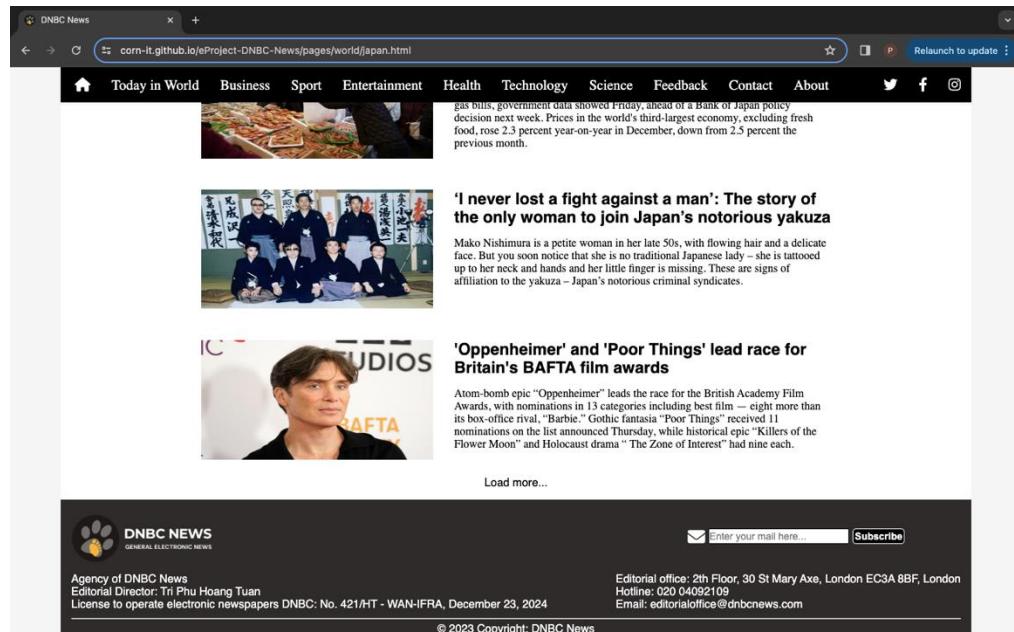


Figure 35: Japan – part 2

7. Korea

a) Description

Korea page displays the following information

- Top news of Korea

b) Screenshot

eProjects: DNBC

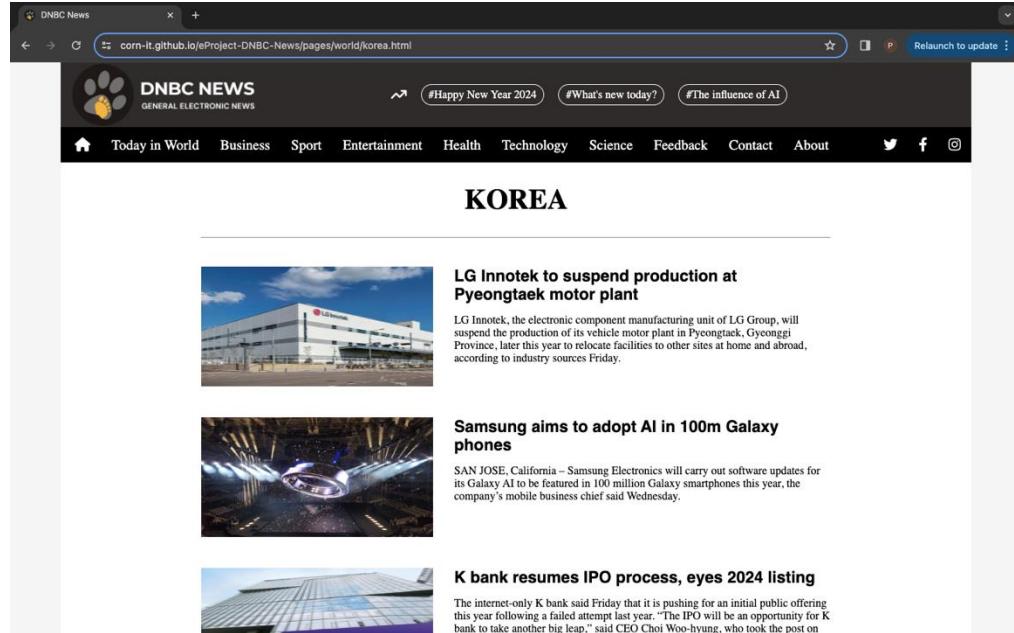


Figure 36: Korea – part 1

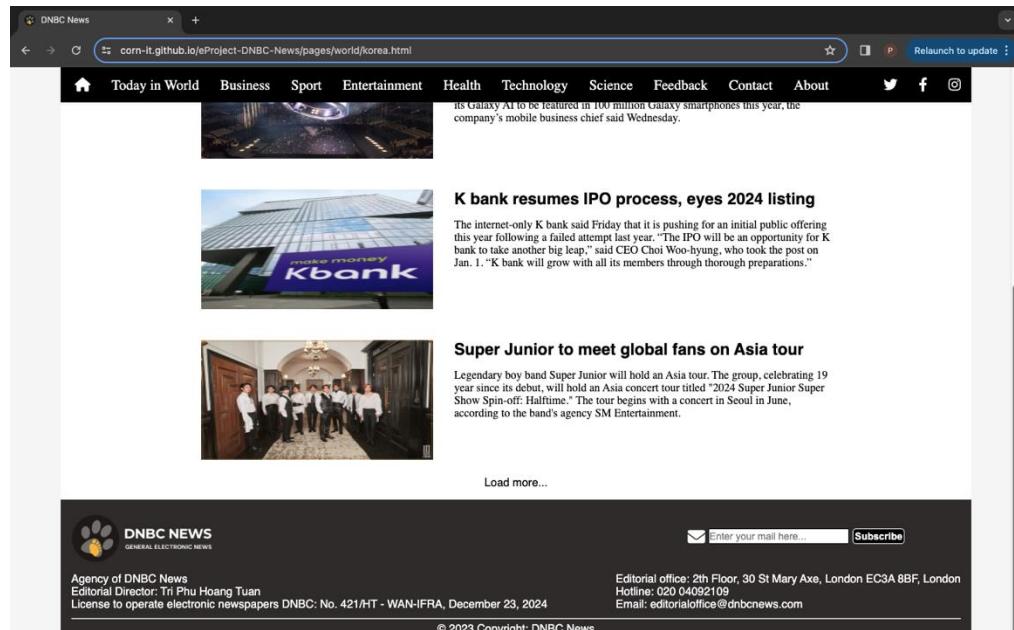


Figure 37: Korea – part 2

8. Business

a) Description

Business page displays the following information

- Top news of Business

b) Screenshot

eProjects: DNBC

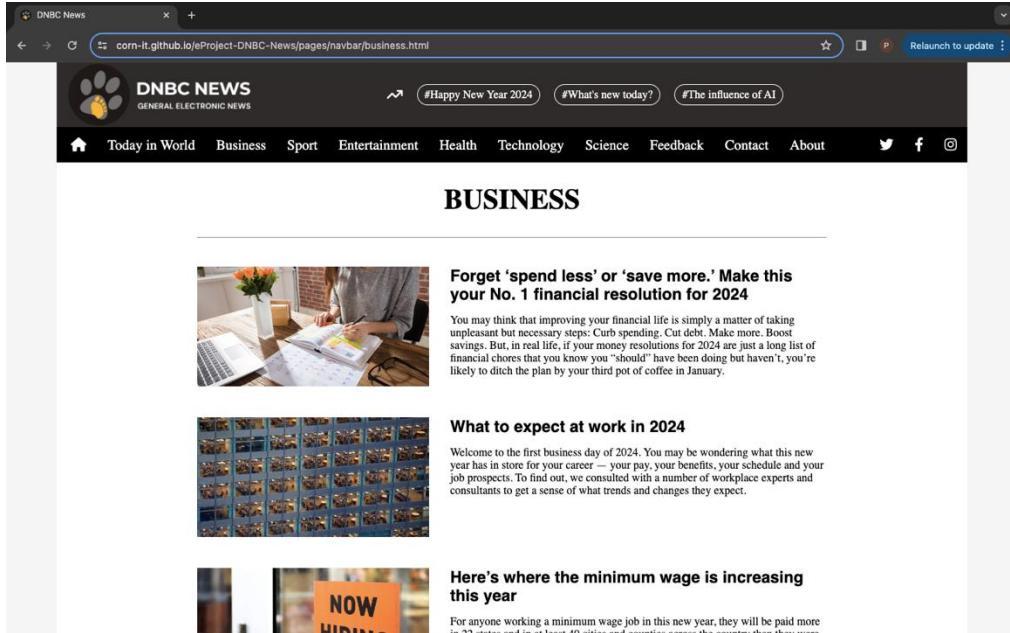


Figure 38: Business– part 1

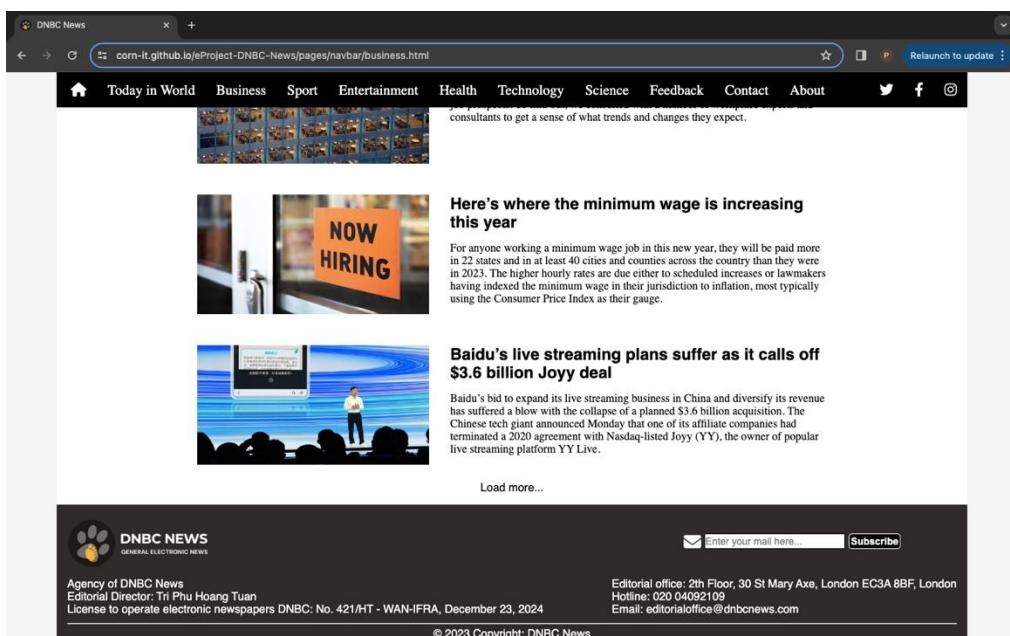


Figure 39: Business – part 2

9. Sport

a) Description

Sport page displays the following information

- Top news of Sport

b) Screenshot

eProjects: DNBC

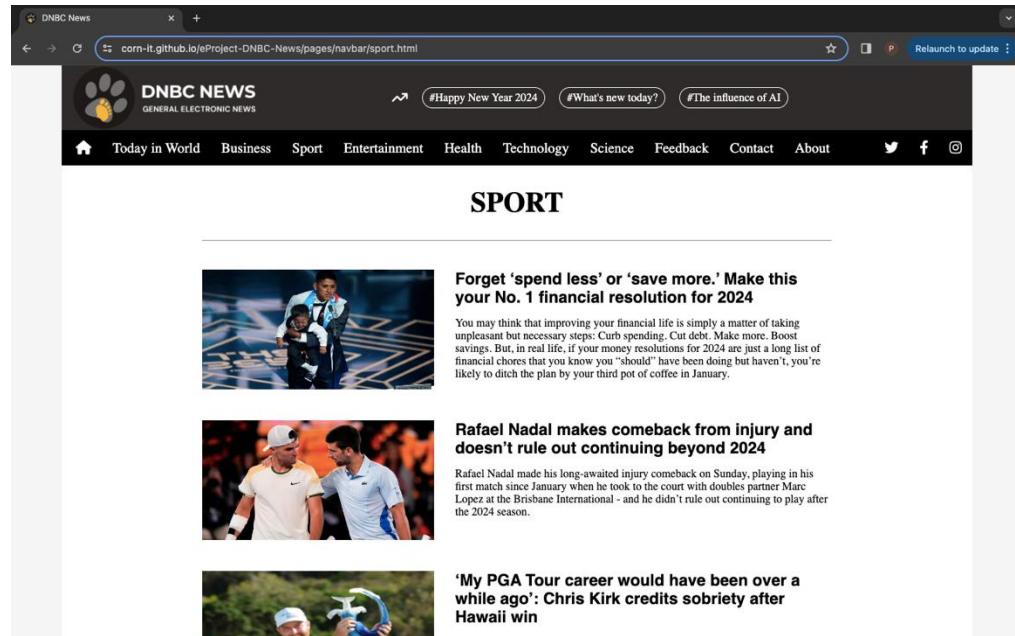


Figure 40: Sport– part 1

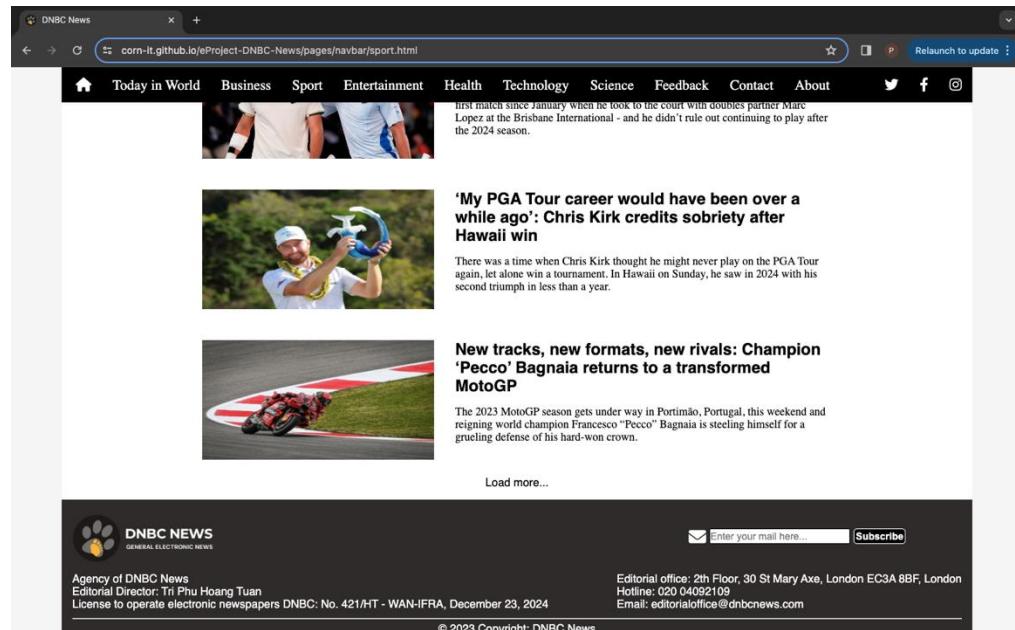


Figure 41: Sport – part 2

10. Entertainment

a) Description

Entertainment page displays the following information

- Top news of Entertainment

b) Screenshot

eProjects: DNBC

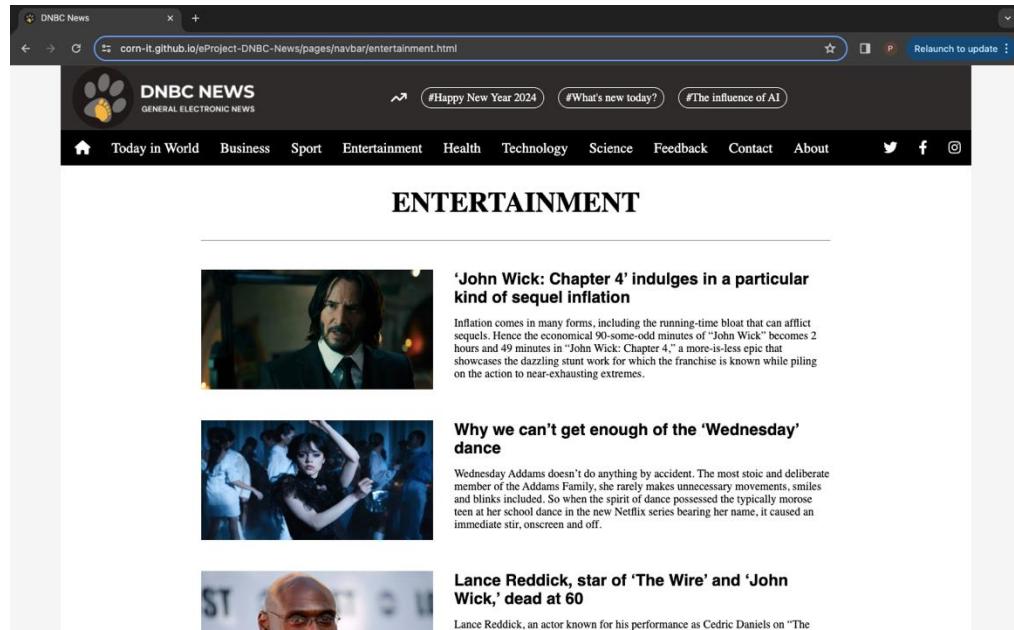


Figure 42: Entertainment – part 1

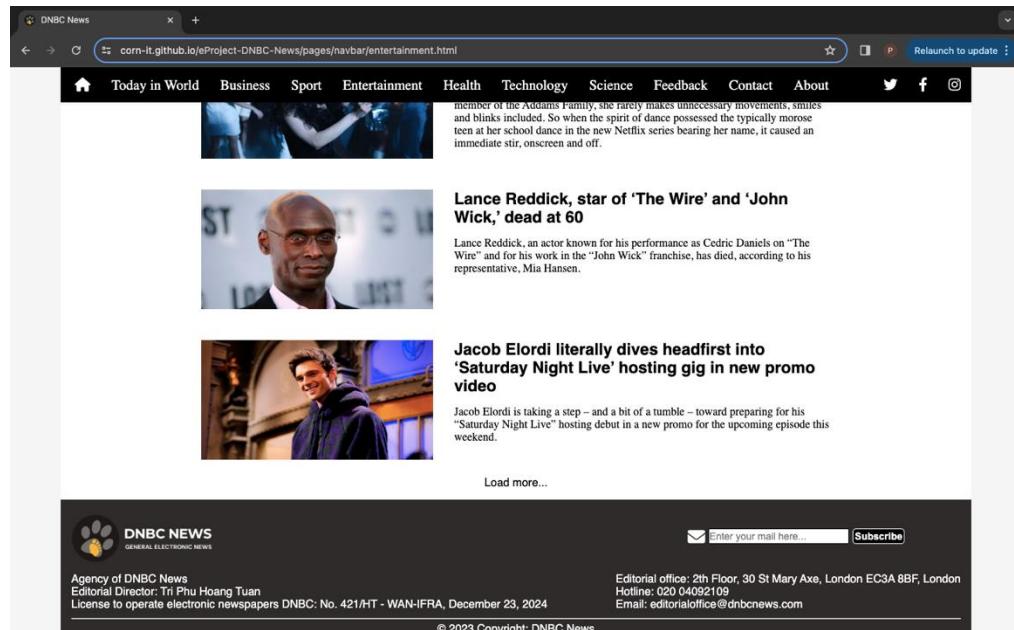


Figure 43: Entertainment – part 2

11. Health

a) Description

Health page displays the following information

- Top news of Health

b) Screenshot

eProjects: DNBC

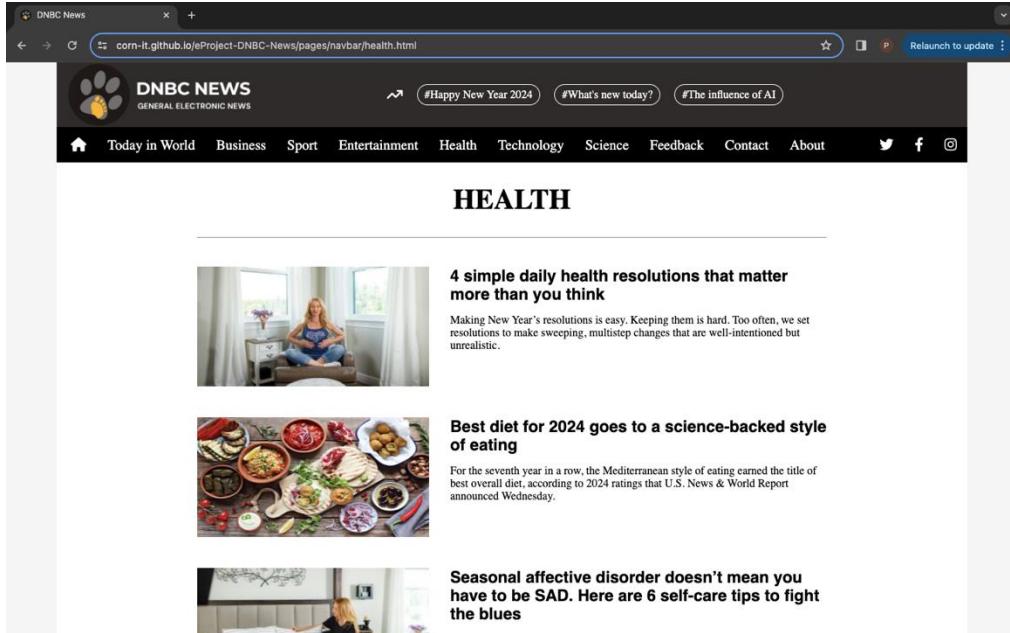


Figure 44: Health – part 1

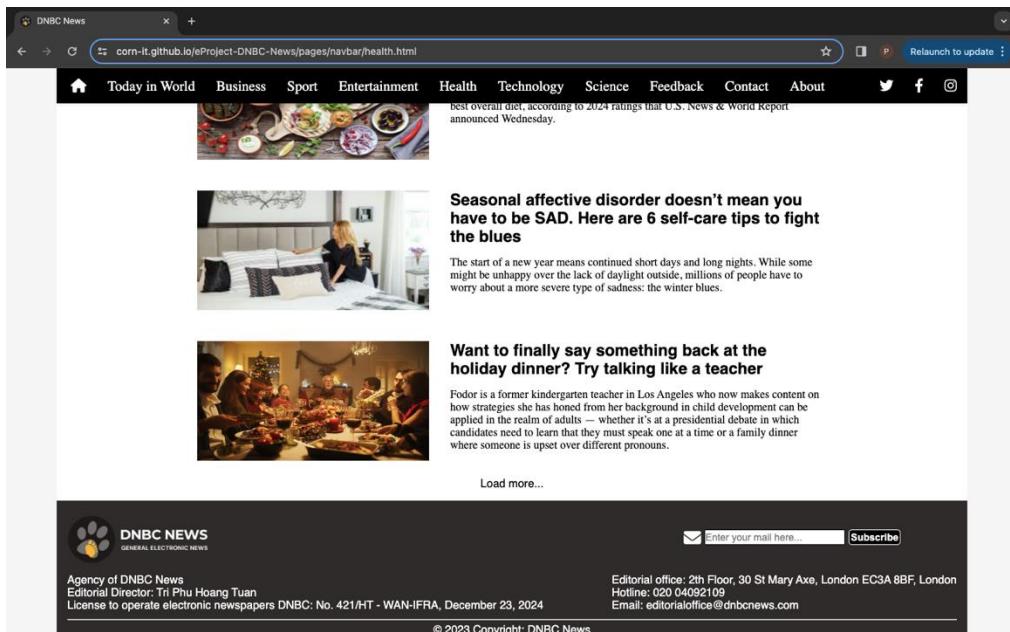


Figure 45: Health – part 2

12. Technology

a) Description

Health page displays the following information

- Top news of Technology

b) Screenshot

eProjects: DNBC

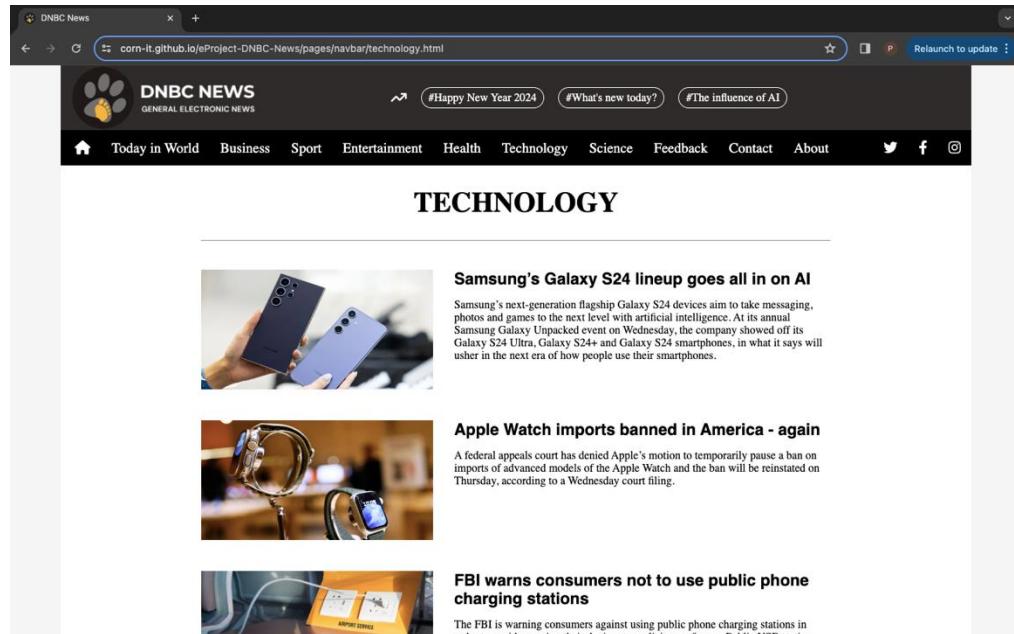


Figure 46: Technology – part 1

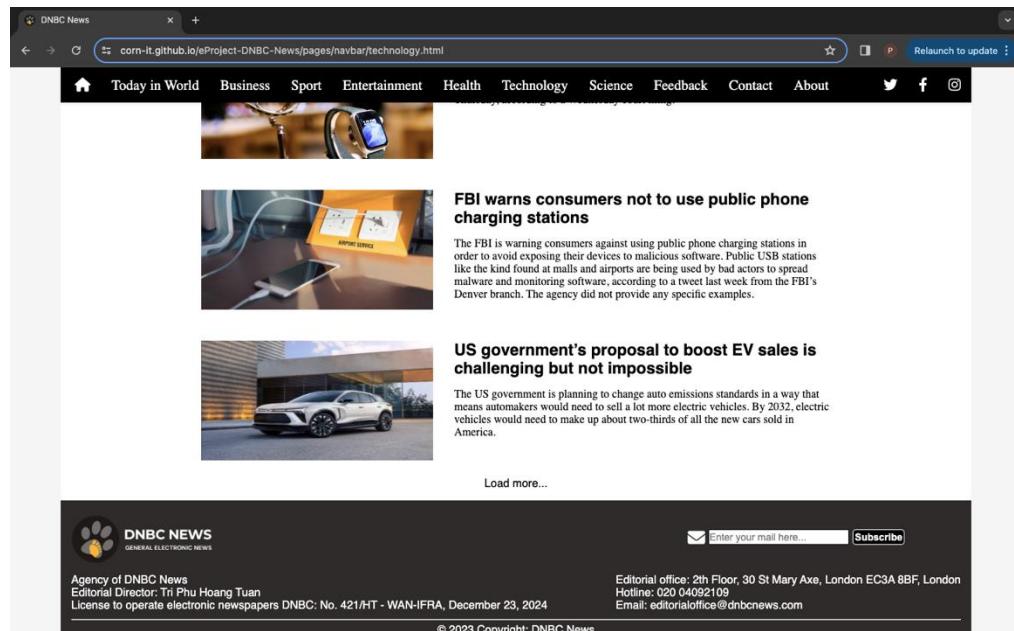


Figure 47: Technology – part 2

13. Science

a) Description

Health page displays the following information

- Top news of Science

b) Screenshot

eProjects: DNBC

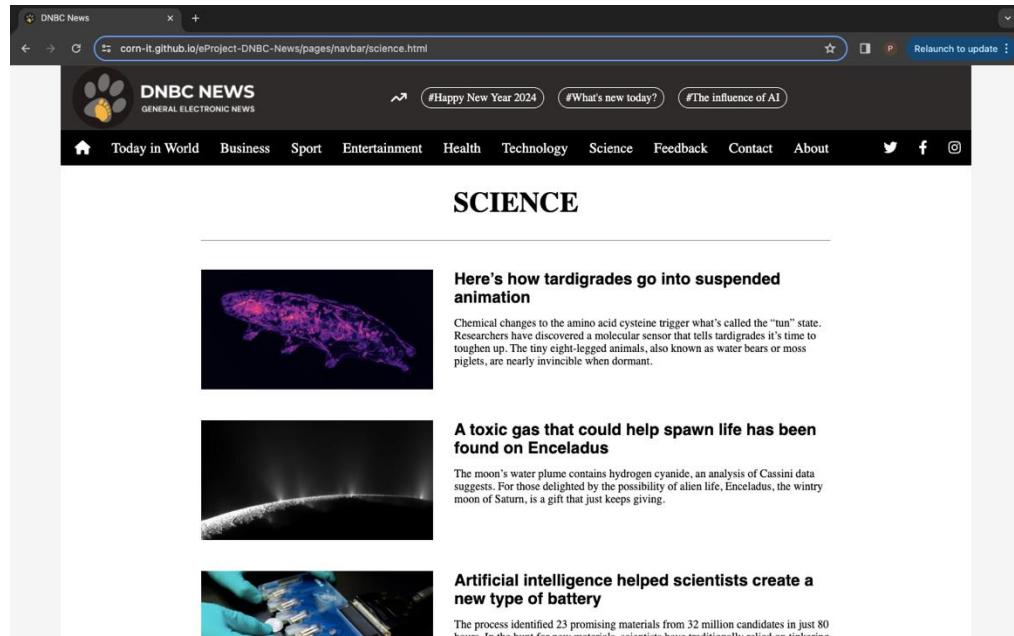


Figure 48: Science – part 1

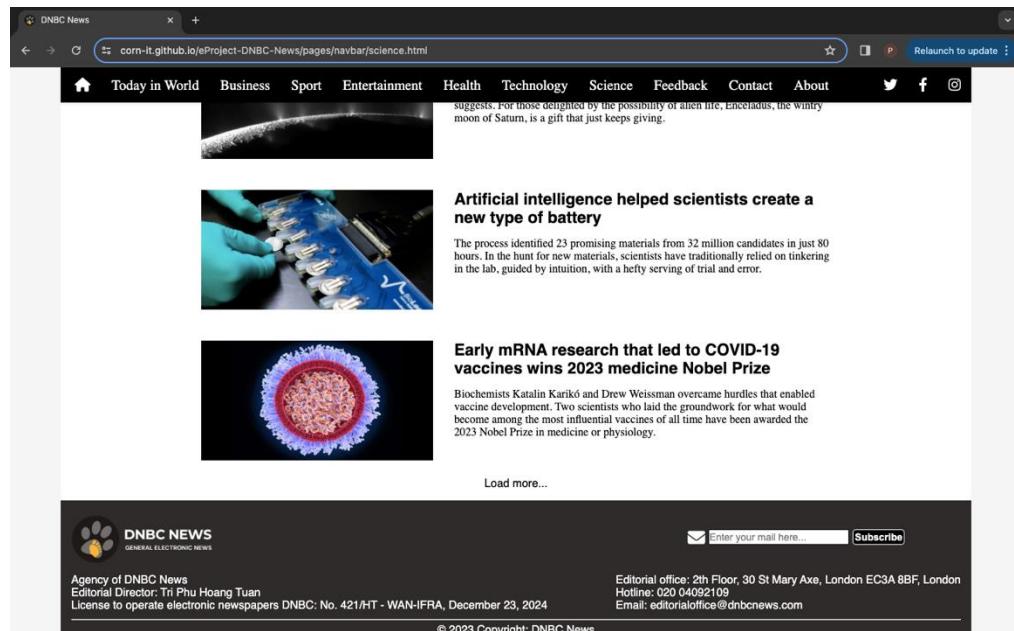


Figure 49: Science – part 2

14. Feedback

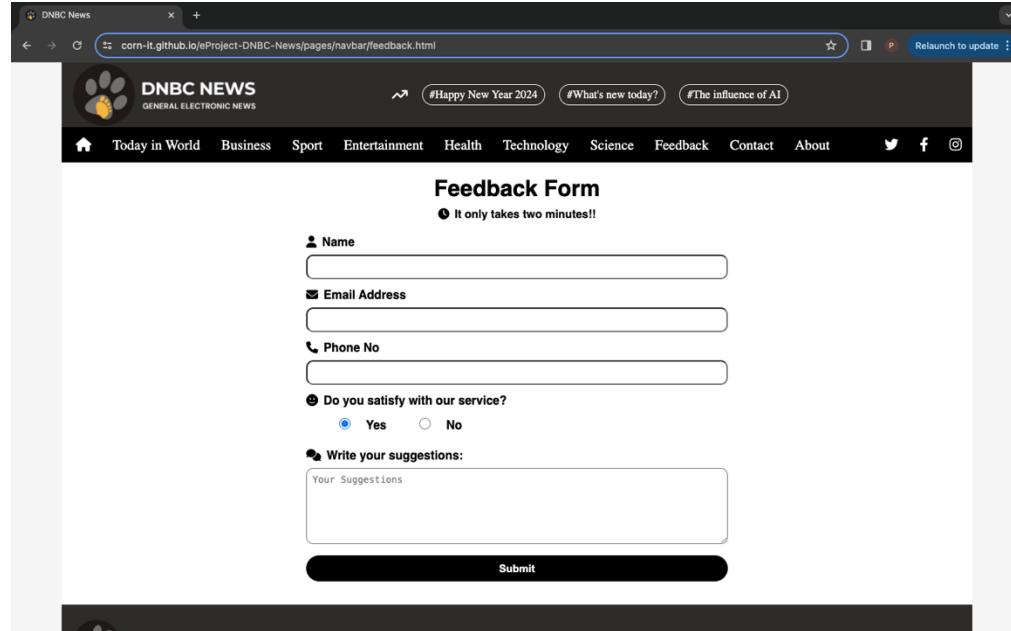
a) Description

Feeback page displays the following information

- Feedback form

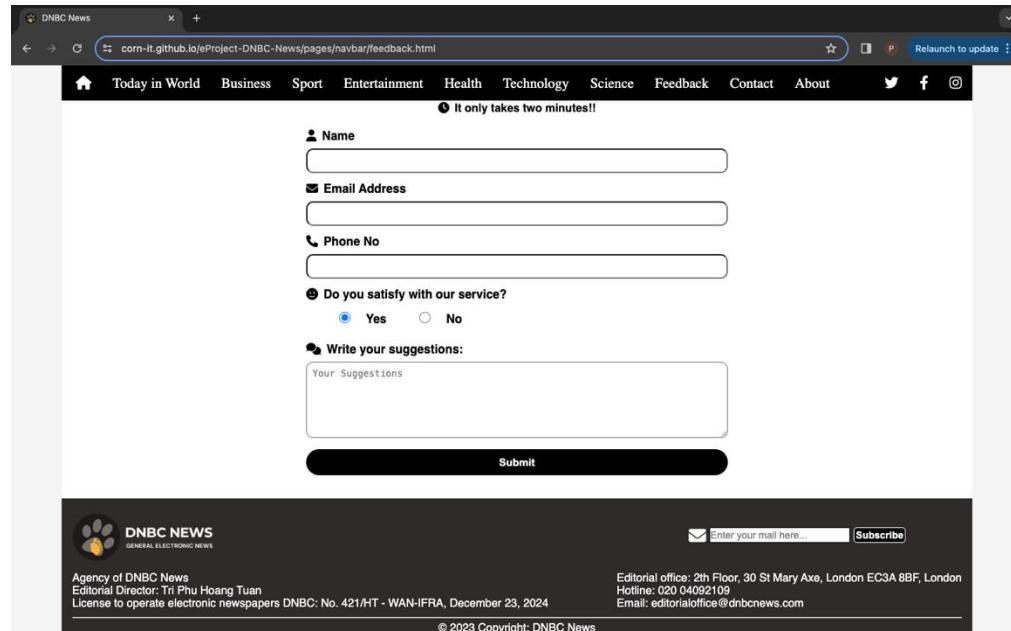
b) Screenshot

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The screenshot shows a web browser window for 'DNBC News' with the URL 'corn-it.github.io/eProject-DNBC-News/pages/navbar/feedback.html'. The page title is 'Feedback Form' with a sub-instruction 'It only takes two minutes!!'. It features three input fields for Name, Email Address, and Phone No. A question 'Do you satisfy with our service?' with radio buttons for 'Yes' (selected) and 'No'. A text area for 'Write your suggestions:' with placeholder 'Your Suggestions' and a 'Submit' button.

Figure 50: Feedback – part 1



This screenshot is identical to Figure 50, showing the 'Feedback Form' page. At the bottom, it includes the DNBC News logo, navigation links for Today in World, Business, Sport, Entertainment, Health, Technology, Science, Feedback, Contact, and About, along with social media icons for Twitter, Facebook, and Instagram. The footer also contains copyright information: 'Agency of DNBC News', 'Editorial Director: Tri Phu Hoang Tuan', 'License to operate electronic newspapers DNBC: No. 421/H-T - WAN-IFRA, December 23, 2024', 'Editorial office: 2th Floor, 30 St Mary Axe, London EC3A 8BF, London', 'Hotline: 020 04092109', 'Email: editorialoffice@dnbcnews.com', and '© 2023 Copyright: DNBC News'.

Figure 51: Feedback – part 2

15. Contact

a) Description

Feeback page displays the following information

- Contact form
- Contact information and Google Maps

b) Screenshot

eProjects: DNBC

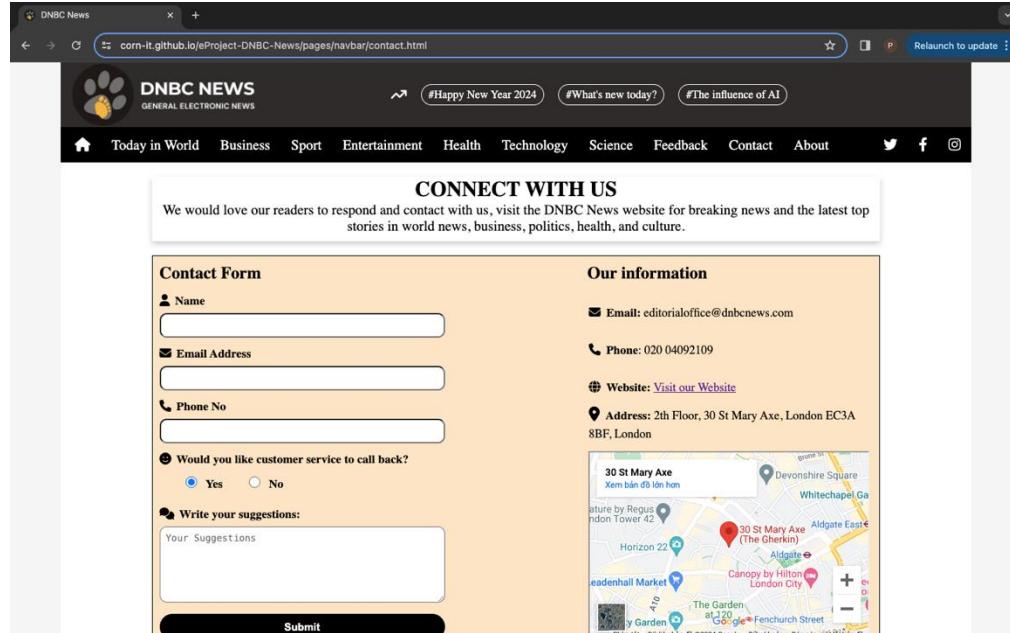


Figure 52: Contact – part 1

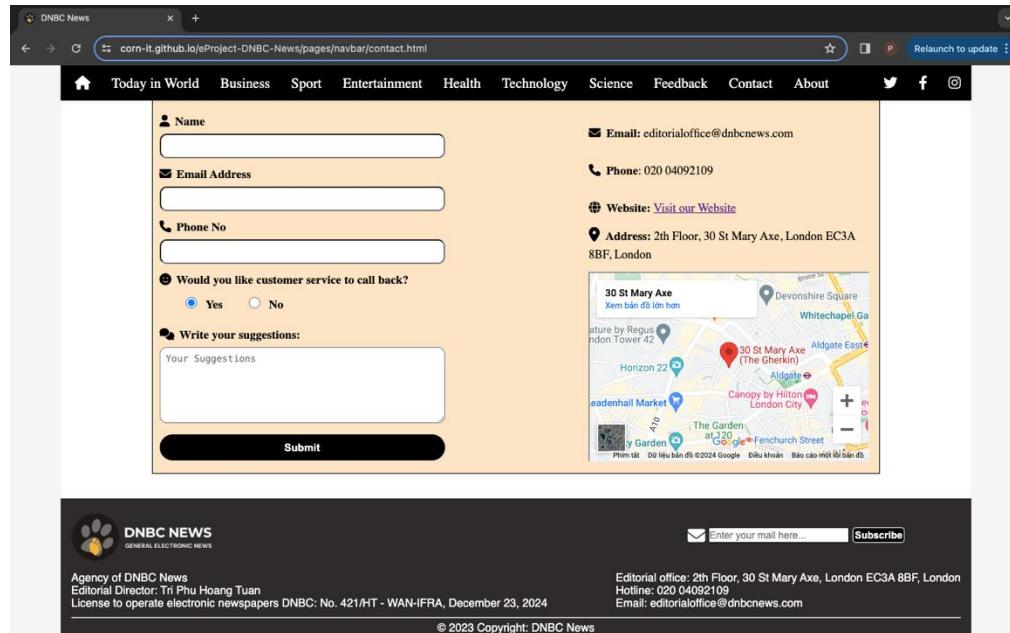


Figure 53: Contact – part 2

16. About

a) Description

Feedback page displays the following information

- Information about DNBC
- Information about Group 5

b) Screenshot

eProjects: DNBC

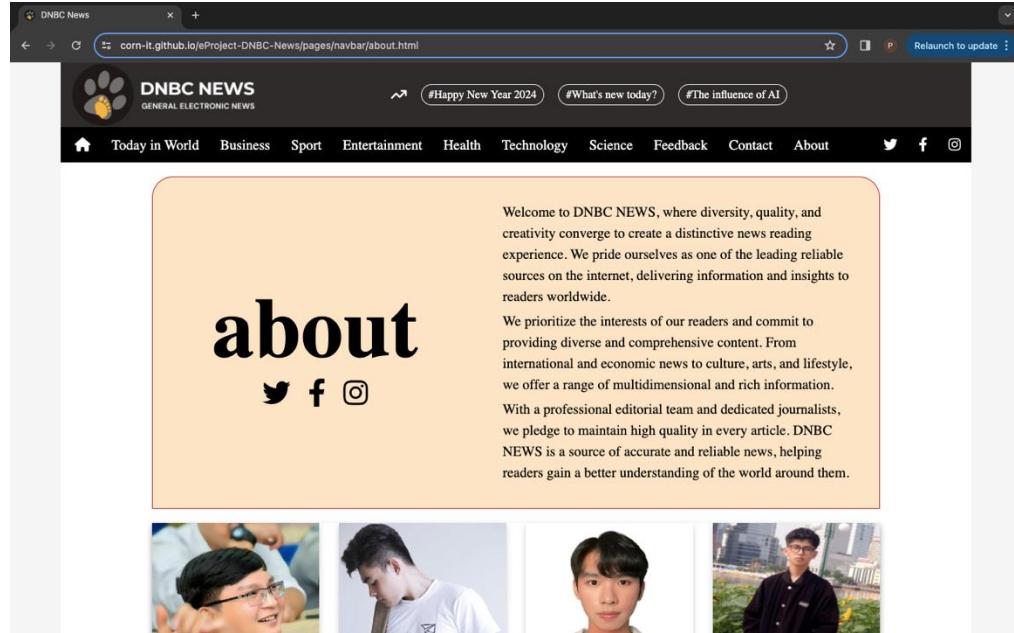


Figure 54: About – part 1

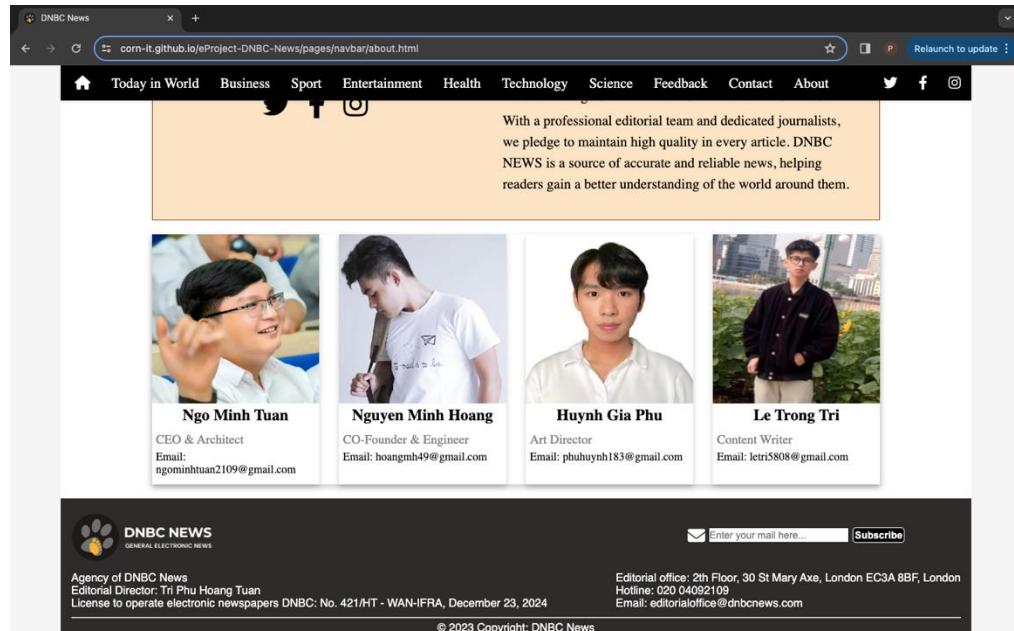


Figure 55: About – part 2

17. News posts and content

a) Description

News posts page and content displays the following information:

- Image about the post
- News content about the post

b) Screenshot

eProjects: DNBC

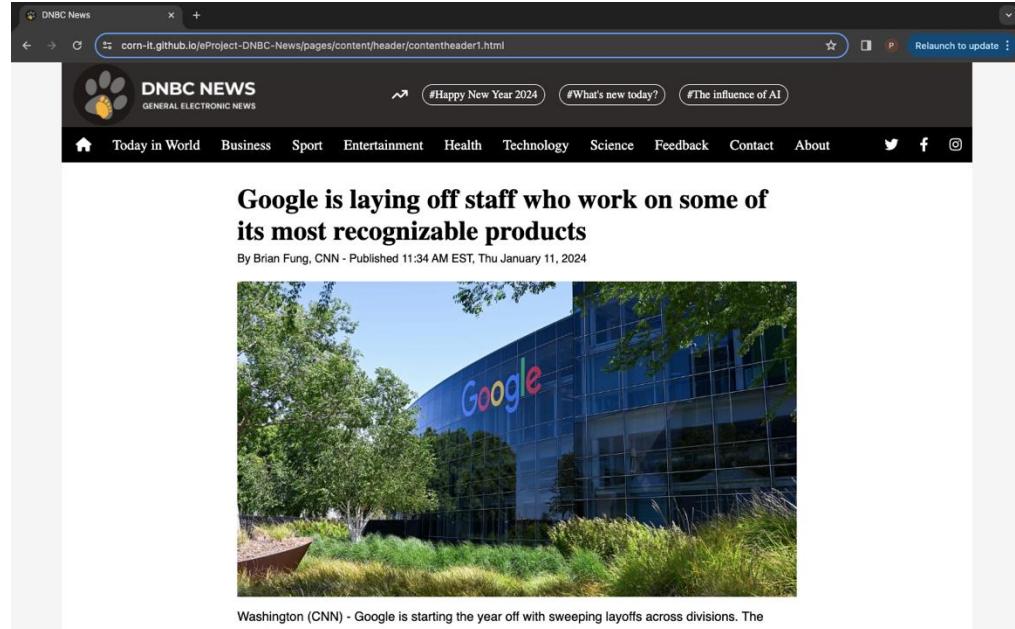


Figure 56: News post and content – part 1

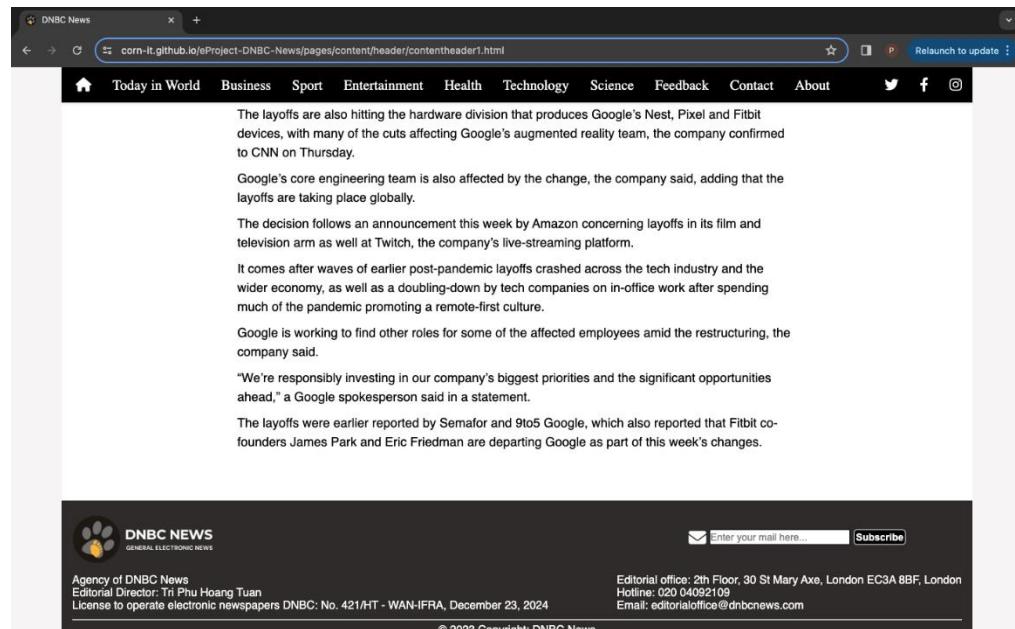


Figure 56: News post and content – part 2

JAVASCRIPT DESCRIPTION

1. Script scroll navbar :

a) Description:

- This JavaScript code adds an event listener to the window that listens for the "scroll" event. When a user scrolls on a webpage, this event is triggered.
- This code is designed to change the appearance of the navbar based on whether the user has scrolled down or not. When the user scrolls down, a "scrolled" class is added to the navbar, triggering a change in its style or behavior. If the user scrolls back to the top, the "scrolled" class is removed.

b) Screen shot:

```
window.addEventListener("scroll", function () {
  var navbar = document.getElementById("navbar");
  if (window.pageYOffset > 0) {
    navbar.classList.add("scrolled");
  } else {
    navbar.classList.remove("scrolled");
  }
});
```

2. Script in footer show pop up when subscribe:

a) Description:

- This code use function ‘subscribeForm()’ and popup alert with a message after user clicks the subscribe button, then the page will reload .

b) Screen shot:

```
<!-- Script show popup when subscribe-->
<script>
    function subscribeForm() {
        event.preventDefault();
        alert("Thanks for your subscribe.\nBreaking news and top stories will be brought to you immediately.\n\nBest Regards!\n-----\nDNBC News Team");
        window.location.reload();
        return false;
    }
</script>
```

3. JavaScript code fetches and displays business,sports,entertainment ,health,technology,science news articles from a public API on a webpage:

NOTE: Because the API Key we use from newsapi.org is a free version intended for direct testing from the source code of an experimental project only, an error (the server responded with a status of 426) will occur when deploying the website with an HTTP domain. To access the API, it is mandatory for the website to be opened directly from its source code; only then will the API function properly.

Description:

a) HTML Element section:

- It selects HTML elements with the IDs "**business**" and "**newsDetail**" and stores them in variables.

```
const businessBtn = document.getElementById("business");
const newsDetail = document.getElementById("newsDetail");
```

b) News data and API key set up:

- It initializes an empty array '**newsDataArr = []**' to store news data.
- Sets the API key and the URL from website newsapi.org (one account will have one API Key for free after sign up with an email) for fetching business news using the News API.

```
var newsDataArr = [];

const API_KEY = "76646ac460794ef69acf3bba25c1c60f";
const BUSINESS_NEWS = "https://newsapi.org/v2/top-headlines?country=Us&category=business&apiKey=";
```

c) Fetch Business News Function

- This code defines an asynchronous function named ‘fetchBusinessNews’ that is responsible for fetching business news data from an external API.

```
const fetchBusinessNews = async () => {
    const response = await fetch(BUSINESS_NEWS + API_KEY);
    newsDataArr = [];
```

- + ‘fetchBusinessNews’ is an asynchronous function declared using the ‘async’ keyword. This allows the use of ‘await’ within the function, making it easier to work with asynchronous operations.
 - + The ‘await’ keyword is used here to wait for the asynchronous ‘fetch’ operation to complete, and the result is stored in the ‘response’ variable also sends a request to the specified URL, which is a combination of the base URL for business news (BUSINESS_NEWS) and the API key (API_KEY).
 - + An empty array named ‘newsDataArr = []’ to store the fetched news articles.
-
- This block of code checks if the response status is in the successful range (200 to 299). If it is, it proceeds to handle the successful response.

```
if (response.status >= 200 && response.status < 300) {
  const myJson = await response.json();
  newsDataArr = myJson.articles;
} else {
  // handle errors
  console.log(response.status, response.statusText);
  newsDetail.innerHTML = "<h5>No data found.</h5>";
  return;
}
```

- + It uses ‘**await**’ again to wait for the asynchronous operation of parsing the response body as JSON ‘**response.json()**’.
- + The parsed articles are then assigned to the ‘**newsDataArr**’ array.
- + If the response status is not in the successful range, it indicates an error.
- + It logs the status and status text to the console for debugging purposes.
- + It sets the HTML content of an element with the ID "newsDetail" to a message indicating that no data was found (**newsDetail.innerHTML = “<h5>No data found.</h5>”**)
- + The function returns at this point, preventing further execution.
- If the data is successfully fetched, this line calls a function named ‘**displayNews()**’. This function is assumed to be defined elsewhere

and is responsible for rendering or displaying the fetched news data on the webpage.

```
const fetchBusinessNews = async () => {
    const response = await fetch(BUSINESS_NEWS + API_KEY);
    newsDataArr = [];
    if (response.status >= 200 && response.status < 300) {
        const myJson = await response.json();
        newsDataArr = myJson.articles;
    } else {
        // handle errors
        console.log(response.status, response.statusText);
        newsDetail.innerHTML = "<h5>No data found.</h5>";
        return;
    }

    displayNews();
}
```

- ⇒ In summary, this code fetches business news data from an API, checks if the response is successful, handles errors if any, updates the ‘newsDataArr’ array with the fetched articles, and then calls a function to display the news on the webpage.
- The ‘displayNews ()’ function takes care of rendering or displaying the fetched news articles on the webpage.

```
function displayNews() {
    newsDetail.innerHTML = "";

    if (newsDataArr.length == 0) {
        newsDetail.innerHTML = "<h5> No data found </h5>";
        return;
    }
```

+ **newsDetail.innerHTML = “ ”;** clears the content of the HTML element with the ID "newsDetail". This is done at the beginning of the function to ensure that the container is empty before adding new content.

```
if (newsDataArr.length == 0) {  
    newsDetail.innerHTML = "<h5> No data found <h5>"  
    return;  
}
```

+ This block of code checks if there are no news articles in the **c** array. If the array is empty, it sets the content of the "newsDetail" element to a message indicating that no data was found, and the function returns early.

- **newsDataArr.forEach(news => {...})** is a loop that iterates through each news article in the 'newsDataArr' array.

```
newsDataArr.forEach(news => [  
    var date = news.publishedAt.split("T");  
  
    var col = document.createElement('div');  
    col.className="news-container";  
    |  
  
    var card = document.createElement('div');  
    card.className = "news-box";  
  
    var imageLink = document.createElement('a');  
    imageLink.className = "imageLink"  
    imageLink.setAttribute("href", news.url);  
    imageLink.setAttribute("target", "_blank");  
  
    var image = document.createElement('img');  
    image.className = "image"  
    image.setAttribute("height","70%");  
    image.setAttribute("width","70%");  
    image.src = news.urlToImage;  
    imageLink.appendChild(image);  
  
    var cardBody = document.createElement('div');  
    cardBody.className='card-body';
```

```
var dateHeading = document.createElement('h5');  
dateHeading.className = "text-primary";  
dateHeading.innerHTML = date[0];  
  
var newsHeading = document.createElement('a');  
newsHeading.className = "card-title";  
newsHeading.innerHTML = news.title;  
newsHeading.setAttribute("target", "_blank");  
newsHeading.href = news.url;  
  
var description = document.createElement('p');  
description.className="text-muted";  
description.innerHTML = news.description;  
  
var link = document.createElement('a');  
link.className="btn";  
link.setAttribute("target", "_blank");  
link.href = news.url;  
link.innerHTML="Read more";
```

+ **var date = news.publishedAt.split("T")** extracts the date from the 'publishedAt' property of the news article. The date is obtained

by splitting the string at the "T" character, and only the part before "T" is considered '**date=[0]**'.

+ **var col = document.createElement('div')** creates a new HTML 'div' element with the class "news-container" and stores it in the variable '**col**'. This is a container for each news article.

+ **var card = document.createElement('div')** creates another 'div' element with the class "news-box" to represent a card-like structure for the news article.

```
+ var imageLink = document.createElement('a');  
  imageLink.className = "imageLink";  
  imageLink.setAttribute("href", news.url);  
  imageLink.setAttribute("target", "_blank");
```

⇒ creates an anchor ('a') element with the class "imageLink" that wraps around the news article's image. The **href** attribute is set to the article's URL, and ("target", "_blank") ensures that the link opens in a new tab.

```
+ var image = document.createElement('img');  
  image.className = "image"  
  image.setAttribute("height", "70%");  
  image.setAttribute("width", "70%");  
  image.src = news.urlToImage;  
  imageLink.appendChild(image);
```

⇒ creates an **img** (image) element with the class "image" and sets its height, width, and source attributes based on the news article's image URL. This image is then appended to the previously created anchor element.

```
+ var cardBody = document.createElement('div');  
  cardBody.className='card-body';
```

⇒ creates another 'div' element with the class "card-body" to represent the main content area of the news article card.

```
+ var dateHeading = document.createElement('h5');
  dateHeading.className = "text-primary";
  dateHeading.innerHTML = date[0];
⇒ creates an 'h5' (heading) element with the class "text-primary" to
display the date of the news article in a larger, bold font.
```



```
+ var newsHeading = document.createElement('a');
  newsHeading.className = "card-title";
  newsHeading.innerHTML = news.title;
  newsHeading.setAttribute("target", "_blank");
  newsHeading.href = news.url;
⇒ creates an anchor element 'a' with the class "card-title" for the news
article's title. The href attribute is set to the article's URL, and
"target", "_blank" ensures that the link opens in a new tab.
```



```
+ var description = document.createElement('p');
  description.className="text-muted";
  description.innerHTML = news.description;
⇒ creates a 'p' (paragraph) element with the class "text-muted" for the
news article's description.
```



```
+var link = document.createElement('a');
link.className="btn";
link.setAttribute("target", "_blank");
link.href = news.url;
link.innerHTML="Read more";
⇒ creates another anchor element 'a' with the class "btn" for a "Read
more" link. The href attribute is set to the article's URL, and target",
"_blank" ensures that the link opens in a new tab.
```

```
    cardBody.appendChild(dateHeading);
    cardBody.appendChild(newsHeading);

    cardBody.appendChild(description);
    cardBody.appendChild(link);

    card.appendChild(imageLink);
    card.appendChild(cardBody);

    col.appendChild(card);

    newsDetail.appendChild(col);
}

};

fetchBusinessNews();
```

+
cardBody.appendChild(dateHeading);
cardBody.appendChild(newsHeading);
cardBody.appendChild(description);
cardBody.appendChild(link);

⇒ appends the date, news title, description, and "Read more" link elements to the card body.

+ card.appendChild(imageLink);
card.appendChild(cardBody);

⇒ appends the image link and card body elements to the main card element.

+ col.appendChild(card);
newsDetail.appendChild(col);

⇒ appends the card to the container (**col**) and appends the container (**col**) to the "newsDetail" element, effectively adding the constructed news article card to the webpage.

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- + **displayNews();**
- ⇒ If the data is successfully fetched, this line calls a function named '**displayNews()**'. This function is assumed to be defined elsewhere and is responsible for rendering or displaying the fetched news data on the webpage.
- ⇒ **In summary, the scripts fetch and display API for the menus "business," "sports," "entertainment," "health," "technology", "science" follow a similar pattern, but they differ in the constants and URL paths representing each category.**

```
const sportsBtn = document.getElementById("sport");
const newsDetail = document.getElementById("newsDetail");

var newsDataArr = [];

const API_KEY = "76646ac460794ef69acf3bba25c1c60f";
const SPORTS_NEWS = "https://newsapi.org/v2/top-headlines?country=Us&category=sports&apiKey=";

const entertainmentBtn = document.getElementById("entertainment");
const newsDetail = document.getElementById("newsDetail");

var newsDataArr = [];

const API_KEY = "76646ac460794ef69acf3bba25c1c60f";
const ENTERTAINMENT_NEWS = "https://newsapi.org/v2/top-headlines?country=Us&category=entertainment&apiKey=";

const healthBtn = document.getElementById("health");
const newsDetail = document.getElementById("newsDetail");

var newsDataArr = [];

const API_KEY = "76646ac460794ef69acf3bba25c1c60f";
const HEALTH_NEWS = "https://newsapi.org/v2/top-headlines?country=Us&category=health&apiKey=";

const technologyBtn = document.getElementById("technology");
const newsDetail = document.getElementById("newsDetail");

var newsDataArr = [];

const API_KEY = "76646ac460794ef69acf3bba25c1c60f";
const TECHNOLOGY_NEWS = "https://newsapi.org/v2/top-headlines?country=Us&category=technology&apiKey=";

const scienceBtn = document.getElementById("science");
const newsDetail = document.getElementById("newsDetail");

var newsDataArr = [];

const API_KEY = "76646ac460794ef69acf3bba25c1c60f";
const SCIENCE_NEWS = "https://newsapi.org/v2/top-headlines?country=Us&category=science&apiKey=";
```

⇒ Also with topic 5 countries like : “INDIA”, “USA”, “NETHERLANDS”, “JAPAN”, “KOREA” follow a similar pattern, but they differ in the constants and URL paths representing each country

```
const indiaBtn = document.getElementById("india");
const newsDetail = document.getElementById("newsDetail");

var newsDataArr = [];

const API_KEY = "76646ac460794ef69acf3bba25c1c60f";
const INDIA_NEWS = "https://newsapi.org/v2/top-headlines?country=in&apiKey=";

const usaBtn = document.getElementById("usa");
const newsDetail = document.getElementById("newsDetail");

var newsDataArr = [];

const API_KEY = "76646ac460794ef69acf3bba25c1c60f";
const USA_NEWS = "https://newsapi.org/v2/top-headlines?country=us&apiKey=";

const netherlandsBtn = document.getElementById("netherlands");
const newsDetail = document.getElementById("newsDetail");

var newsDataArr = [];

const API_KEY = "76646ac460794ef69acf3bba25c1c60f";
const NETHERLANDS_NEWS = "https://newsapi.org/v2/top-headlines?country=nl&apiKey=";

const japanBtn = document.getElementById("japan");
const newsDetail = document.getElementById("newsDetail");

var newsDataArr = [];

const API_KEY = "76646ac460794ef69acf3bba25c1c60f";
const JAPAN_NEWS = "https://newsapi.org/v2/top-headlines?country=jp&apiKey=";

const koreaBtn = document.getElementById("korea");
const newsDetail = document.getElementById("newsDetail");

var newsDataArr = [];

const API_KEY = "76646ac460794ef69acf3bba25c1c60f";
const KOREA_NEWS = "https://newsapi.org/v2/top-headlines?country=kr&apiKey=";
```

4. Script show pop up when submit feedback form:

```
<script>
    function submitForm() {
        event.preventDefault();
        alert("You have successfully sent feedback, thanks for your feedback.\nWe'll look closely at what you've said and see how we can
improve things.\n\nBest Regards!\n-----\nDNBC News Team");
        window.location.reload();
        return false;
    }
</script>
```

- ⇒ The **submitForm** function prevents the default form submission behavior, displays a thank-you alert message, reloads the webpage, and explicitly returns **false** to further prevent the default form submission behavior. This setup suggests that the function is likely attached to a form's submission event and is used to provide feedback to the user while handling the form submission in a custom manner.

5. Script show pop up when submit contact form:

```
<!-- Script show popup when submit form-->
<script>
    function submitForm() {
        event.preventDefault();
        alert("Thanks for contact us, we will reply as soon as we can!!\n\nBest Regards!\n-----\nDNBC News Team");
        window.location.reload();
        return false;
    }
</script>
```

- ⇒ The **submitForm** function prevents the default form submission behavior, displays a thank-you alert message, reloads the webpage, and explicitly returns **false** to further prevent the default form submission behavior. This setup suggests that the function is likely attached to a form's submission event and is used to provide feedback to the user while handling the form submission in a custom manner.

TASK SHEET REVIEW 3

Project Ref. No.:		Project Title:	Activity Plan Prepared By:	Date of Preparation of Activity Plan:			
No.	Task			Actual Start Date	Actual Days	Member Name	Status
1	Home	DNBC News	Tuan	15-Jan-24	4	Tuan	Completed
2	Today in World			15-Jan-24	2	Tuan	Completed
3	Business			15-Jan-24	2	Tuan	Completed
4	Sport			15-Jan-24	2	Tuan	Completed
5	Entertainment			15-Jan-24	2	Tuan	Completed
6	Health			15-Jan-24	2	Tuan	Completed
7	Technology			15-Jan-24	2	Tuan	Completed
8	Science			15-Jan-24	2	Tuan	Completed
9	Feedback			16-Jan-24	1	Hoang	Completed
10	Contact			16-Jan-24	1	Hoang	Completed
11	About			16-Jan-24	1	Hoang	Completed
12	Posts page			18-Jan-24	2	Phu	Completed
13	Content page			18-Jan-24	2	Tri	Completed
14	Display API page			17-Jan-24	4	Hoang	Completed
15	Call API			17-Jan-24	4	Hoang	Completed
16	Javascript			17-Jan-24	4	Tuan , Hoang	Completed

Date:	
Signature of Instructor:	Signature of Team Leader:
Ms. Le Mong Thuy	Mr. Ngo Minh Tuan