


Exercício 1 – HTML/CSS

Create a page like the one on the following image:






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Airbus to test hydrogen-fueled engine on A380 jet

Tamara Hardingham-Gill, CNN • Published 25th February 2022



(CNN) – Airbus just moved one step closer to launching the world's first zero-emission commercial aircraft by 2035.

The French aircraft maker has announced plans to test hydrogen fuel technology using a modified version of one of its A380 jetliners, which were discontinued last year.

Airbus has partnered with CFM International, a joint venture between GE and Safran Aircraft Engines, on the hugely significant hydrogen demonstration program.

The plane manufacturer will use an 'A380 flying testbed fitted with liquid hydrogen tanks' to trial propulsion technology for its future hydrogen aircraft.

'Flight laboratory'

"Our ambition is to take this (A380) aircraft and add a stub in between the rear doors at the upper level," says Glenn Llewellyn, vice president for zero emission aircraft at Airbus, in a video posted on the Airbus YouTube channel. "That stub will have on the end of it a hydrogen powered gas turbine."

Related content - How close are we to guilt-free flying?

He goes on to explain that the aircraft will be fitted with hydrogen storage and hydrogen distribution, which will feed its engine with the chemical element.

According to Llewellyn, the aim of the "flight laboratory" is to learn more about hydrogen propulsion systems in real ground and flight conditions, thus enabling Airbus to press on with its plans for a zero-emission aircraft in just over a decade.

Test flights are currently estimated to take place in 2026, provided everything goes to plan. The news comes over a year after Airbus unveiled three hydrogen-based concepts under the ZEROe banner.



A rendering of the A380 flight test platform, which will put hydrogen combustion technology to the test.

"This is the most significant step undertaken at Airbus to usher in a new era of hydrogen-powered flight since the unveiling of our ZEROe concepts back in September 2020," Sabine Klauke, chief technical officer for Airbus, said in a statement.

"By leveraging the expertise of American and European engine manufacturers to make progress on hydrogen combustion technology, this international partnership sends a clear message that our industry is committed to making zero-emission flight a reality."

Guilt-free flying?

Aviation generates 2.8% of global CO2 emissions, and the global fuel consumption by commercial airlines reached 95 billion gallons in 2019.

The global aviation industry has pledged to slash emissions to half their 2005 levels by 2050.

CNN's Paul Sillers also contributed to this report

US

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- Political Op-Eds
- Social Commentary

The title of the page should be “Airbus to use A380 to test hydrogen-fueled engine | CNN Travel”.

The favicon is provided in the favicon.ico file.

All text uses the Roboto font family from Google fonts. The line height is 150% of the standard size.

The contents of the page should have a maximum width of 1100px and be centered on the page. Use:

```
margin: auto;
max-width: 1100px;
```

To show the logo, you should use the provided data URL(data:image/svg+xml;base64...). The logo must have a link associated that allows access to the URL www.cnn.com.

The links on the menu,

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are right aligned and have the following characteristics:

- black
- no underline
- font size is 120% bigger than normal size

When the mouse hovers over a link there should be a line on top and on the bottom of the link:

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And the colour should change to #aaa.

The exception is the magnifying glass, where there should not be any line when the mouse hovers over – only the colour changes.

The magnifying glass is from Font Awesome. To include Font Awesome icons on the page, use the following <link> element before the reference to your CSS file:

```
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.1.1/css/all.min.css" integrity="sha512-KfkfwYDsLkIlwQp6LFnl8zNdLGxu9YAA1QvwINks4PhcElQSwqcyVLLD9aMhXdl13uQjoXtEKNosOWaZqXgel0g==" crossorigin="anonymous" referrerpolicy="no-referrer" />
```

The magnifying glass can be used on a page with:

```
<i class="fa-solid fa-magnifying-glass"></i>
```

The first-level headings should have the following characteristics:

- the font size is 250% higher than the standard size
- bold

The second-level headings ('Flight laboratory' and Guilt-free flying?) should have the following characteristics:

- the font size is one and a half the standard size
- bold

The author and data information, below the first-level heading have the following characteristics:

- font size is 12px
- colour is 155 red, 155 green and 155 blue

The social networks icons are from Font Awesome (search them on the Font Awesome site), are centered aligned, have 1.5 times the standard text size, are black and don't have any underline. When the cursor hovers over them they should change colour to blue.



(CNN) – Airbus just moved one step closer to launching the world's first zero-emission commercial aircraft by 2035.

The photos are centered horizontally on the page and one of them has a caption.

The highlight “Related content” is centered on the page and the text colour is #aaa and twice the normal size. The “Related content” words are black and bold.

Related content - How close are we to guilt-free flying?

Links inside text, like “generates 2.8% of global CO2 emissions” and “the global fuel consumption by commercial airlines” have the same size and colour as the standard text, and when the mouse is over them, the colour is #9b9b9b.

Aviation generates 2.8% of global CO2 emissions, and the global fuel consumption by commercial airlines reached 95 billion gallons in 2019.

Before the paragraph “CNN's Paul Sillers also contributed to this report” there is a line – use a <hr> element. It should be 1 px thick and with colour rgb(128, 128, 128).

CNN's Paul Sillers also contributed to this report

The paragraph “CNN's Paul Sillers also contributed to this report”, on the bottom of the page, before the footer, should be in italic.

CNN's Paul Sillers also contributed to this report

On the footer there should be a search field (use the <input type=“text”> element) which uses the full width of the page (width: 100%) and has an height of 30px. The message inside the text field (“Search CNN...”) should disappear once the user starts typing inside (see placeholder attribute of the input element).

The “titles” on the footer are 1.2 times bigger than the standard size, and the options have normal size.

The links are black and don’t have underlines.

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The options in each menu have links (use fake links) and, when the cursor is on top of the links, the underline should be visible.