DWS – Dentsu World Services :: Front End Recruitment Process

Hello candidate,

Welcome to our technical frontend challenge! This is the next step of the recruitment process for the DWS Front End Team! We are so glad you are interested in applying to join us and for the time and effort you're willing to dedicate for this test.

First of all, we don't expect you to finish everything we proposed here, we just want you to do your best and show us your skills. Our analysis will be based on the quality of your solution and the code you produce as well as your efficiency.

After receiving this test, you are expected to deliver a working solution within 72 hours. This allows you to manage your time as you see fit, so focus on small increments of working features.

So, ready to get your hands dirty?

DWS Blog

The Challenge: Your task is to implement the DWS Blog, ensuring pixel-perfect accuracy and responsiveness for both mobile and desktop views. Remember, we're all about mobile-first design! You have the freedom to use any CSS technique you prefer—like SASS/SCSS, styled components, or pure CSS. However, we ask that you refrain from using any libraries like Material or Tailwind. We want to see your styling skills!

The blog consists of two views:

- one with all the blogs posts
- one with a specific post with extra details

Additionally, we'd like to see some form of state management implemented for user interactions. Whether you choose Redux, Context API, or another method, show us how you handle user choices and manage state effectively. While you're not required to implement every feature of the UI, the more you can tackle, the better. Bonus points if you include unit tests to ensure your code's reliability and maintainability.

We want to see your React skills, so we ask you to use pure React to develop the blog, so no frameworks like NextJs and Gatsby. You are free to use bootstrap frameworks like Parcel and Vite to kickstart your project. We like hooks over here, so feel free to use them.

Ensure your code is accessible in your preferred git repository, with instructions in the readme for running the application via a simple command like npm start.

Design Resources: To assist you in your task, we've provided the design layout in the next pages.

API Endpoints: You will need to fetch data for the blog from our backend. Here are the endpoints you will use:

Posts

- GET https://tech-test-backend.dwsbrazil.io/posts/: Get information about all posts.
- GET https://tech-test-backend.dwsbrazil.io/posts/{ID}: Get information about a specific post.

Authors

- GET https://tech-test-backend.dwsbrazil.io/authors/: Get information about all authors.
- GET https://tech-test-backend.dwsbrazil.io/authors/{ID}: Get information about a specific author.

Categories

- GET https://tech-test-backend.dwsbrazil.io/categories/: Get information about all categories.
- GET https://tech-test-backend.dwsbrazil.io/categories/{ID}: Get information about a specific category.

What We'll Be Looking For:

- **Code Quality and Cleanliness:** We'll be evaluating your code for readability, maintainability, and adherence to best practices.
- **UI Fidelity:** How closely does your implementation match the provided design? Attention to detail is key!
- **Code Organization:** Is your code well-organized and structured? We'll be looking for modular, reusable components and logical file organization.
- **React Usage:** Show us your mastery of React by demonstrating component reusability and efficient rendering.

We are looking forward to seeing your creativity and skills in action.

For the next step, we'll invite you to discuss your decisions and code during the next interview. It's a chance for us to delve deeper into your thought process and approach to solving problems.

Good luck!

base

colors

Neutrals

Lightest #F0F0F2
Extra-Light #E0E2E6
Light #C0C2C8
Medium #9EA0A5
Dark #7F8185
Extra-Dark #5E5F63
Darkest #202122

Primary

Light #0B0E3A
Medium #060725
Dark #020318

Secondary

Light #EF4C84
Medium #D31450
Dark #8C1038

Accent 1

Light #00BFC1
Medium #009598
Dark #006C6E

typography

Font family

Open Sans

NAME	SIZE	LINE HEIGHT	WEIGHT
H1	56px / 3.5 rem	130%	Bold / 700
H2	36px / 2.25 rem	130%	Bold / 700
H3	20px / 1.25 rem	130%	Bold / 700
Body/Large	16px / 1 rem	150%	Regular / 400, Semibold / 600
Body/Small	14px / 0.875 rem	150%	Regular / 400
Caption	12px / 0.75 rem	130%	Regular / 400

Mobile

dentsu world services

Category | Author | Newest first

Jan 20, 2024 • Author Lastname

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Lorem ipsum dolor sit amet consectetur. Donec sed faucibus sit id viverra. Etiam donec feugia...

Category 1 | Category 1

Jan 20, 2024 • Author Lastname

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Category 1
Category 1
Category 1
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Category 1
Category 1
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Category 1
Category 1
Category 1
Category 1

Grid/Mobile

4 columns
16 px margin
16px gutter

dentsu world services

Back

This is the title of the article with two lines

Written by: **Dentsu**
Jan 20, 2024

Lorem ipsum dolor sit amet consectetur. Sit ultrices tempus ut vulputate sit suscipit commodo elementum. Risus et proin turpis leo risus etiam porttitor. Velit quam sit vivamus quis lectus risus sed arcu velit. Augue auctor nullam non dignissim gravida odio. Hac non sed et at suspendisse ut. Ut est nam maecenas placerat enim molestie tortor. Ligula morbi fermentum nibh pretium netus. Luctus sed vulputate blandit duis. Sed ipsum est malesuada aenean tincidunt ornare. In rhoncus mi sapien at a vel adipiscing. Pellentesque dapibus nibh tristique turpis adipiscing dolor. Lobortis ut sit convallis id tristique ut pellentesque feugiat sed. Pellentesque neque ultricies vulputate risus risus eu varius amet. Enim facilisi blandit etiam libero neque molestie eleifend convallis.

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Last articles

Jan 20, 2024 • Author Lastname

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Category 1 | Category 1

Jan 20, 2024 • Author Lastname

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Category 1 | Category 1

Jan 20, 2024 • Author Lastname

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Category 1 | Category 1

components

Default
Hover
Selected

Category
Category 1
Category 2
Category 3
Category 4
Category 5

Category 1, Category 2

Author
Author Lastname
Author Lastname
Author Lastname
Author Lastname
Author Lastname

Author Lastname, Author Lastname

Dropdown button

Default:
Color/Background = Neutral/Lightest
Color/Text = Secondary/Medium

Hover and Selected:
Color/Background = Secondary/Medium - 5% opacity
Color/Text = Secondary/Medium

↔ Spacing

Property 1=Click

Width	Fixed 314px
Height	Fixed 244px

button

Width	Fixed 110px
Height	Fixed 32px
Direction	Horizontal
Align Children	Center
Padding	12px 12px 12px 16px
Gap	4px
Corner radius	42px

expand_more

Width	Fixed 24px
Height	Fixed 24px

filters

Width	Fixed 314px
Height	Fixed 204px
Direction	Vertical
Align Children	Top Left
Padding	16px
Gap	16px
Corner radius	16px

filter accordion

Width	Fill 282px
Height	Fixed 172px
Direction	Vertical
Align Children	Top Left
Padding	0px 0px 16px 0px
Gap	8px

filter chip

Width	Fill 282px
Height	Hug 28px
Direction	Horizontal
Align Children	Center Left
Padding	4px 0px
Gap	8px
Corner radius	4px

⌘ Anatomy

1 Category
2 Category 1

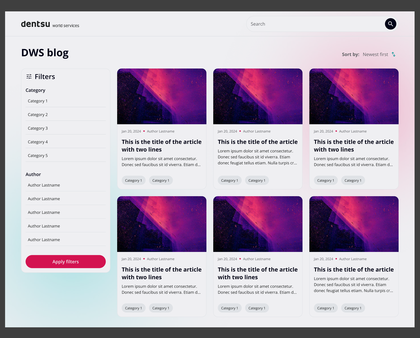
1 **Category**

Font family	Open Sans
Font style	Bold
Font size	12
Line height	Auto

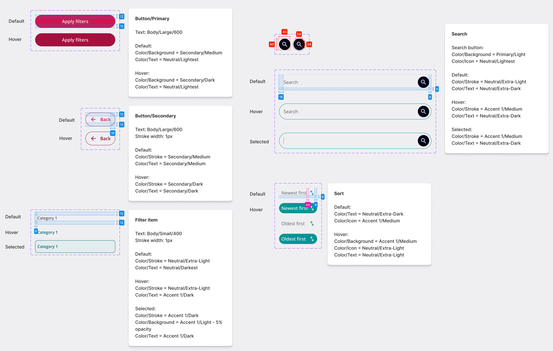
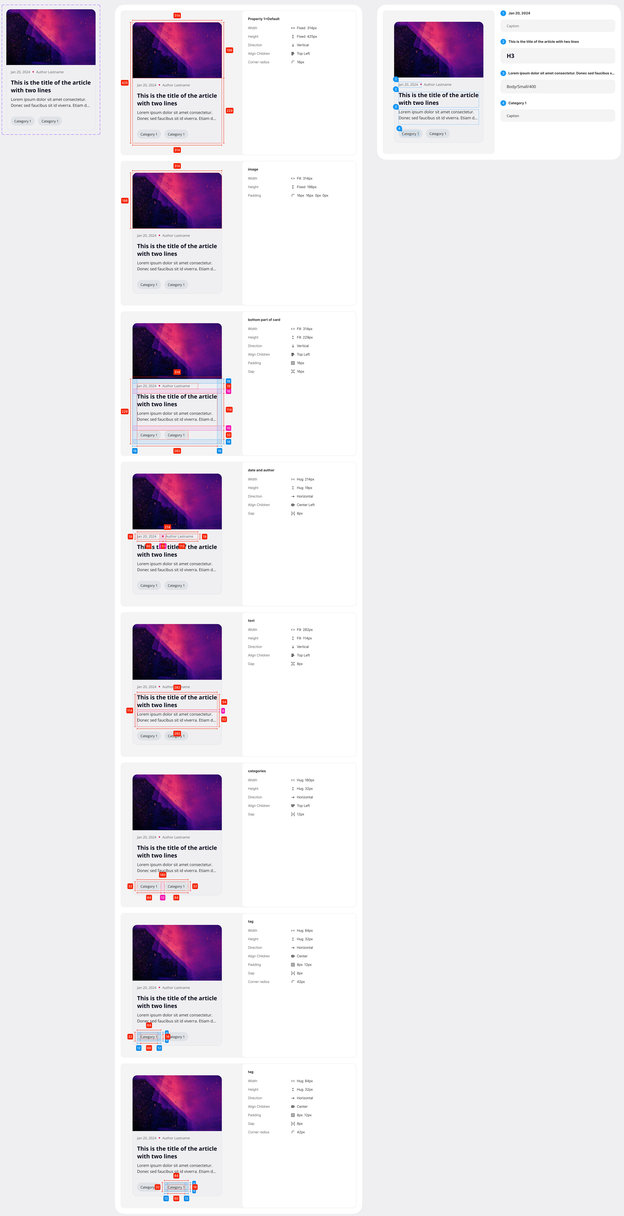
2 **Category 1**

Font family	Open Sans
Font style	Regular
Font size	14
Line height	20

Frames



Grid/Desktop

12 columns
56 px margin
24px gutter

components