

Web Developer

Technical assignment

Dear Candidate,

This technical assignment is designed specifically to assess your knowledge about code quality, best practices, design patterns and written communication skills in the context of web development. Approach this task as if you are already an employee at Truecaller and this is a part of a real project. The output of this assignment will be the base for evaluation followed by a technical interview, if qualified.

By using wordpress.com's REST api, you will create a simple front-end for our blog (truecaller.blog). You can find documentation for wordpress.com's REST api here: <https://developer.wordpress.com/docs/api/>. Our blog's domain is: **truecaller.blog** and it's site id is: **107403796**.

- Create a page that lists the 25 most recent posts, that also lets you load or navigate to older entries. Each entry should display a thumbnail, title, excerpt and time since post was published (such as 5minutes ago, 3 days ago etc.)
- When clicking on any entry in the list, load or navigate to a page / view that displays the post's title, thumbnail, date and full post content. This page / view should also display and link to a maximum of 3 related posts (information about retrieving related posts can be found in the REST api documentation).
- Add a sidebar to the blog that:
 - Lists the available categories of the blog
 - Lists the top 10 tags (based on post counts)

When any category or tag is clicked, posts within the clicked tag or category should be loaded and listed in the same way as the 25 most recent posts are displayed.

- Strive to make the blog look nice and display well on both mobile and desktop. You are free to design/style it however you see fit and it doesn't need to look like our current blog.

Tip: Create your own server using for example express.js or polka.js that handles the wordpress.com REST api requests and then expose an endpoint your that your app can call locally (the request for fetching related posts may return a 405 when called directly from the client, but works as expected when called server-side).

Judging Criteria

Focus on clean, understandable and robust code and low complexity. Use your best judgment and previous experience to utilize the right amount of design patterns and best practices in your code. Pay attention to reusability, extensibility, correctness, state and error handling. The solution should be well structured, but also not over-engineered.

Submission

Before submitting, please ensure you have correctly covered every requirement defined in the project specification.

- Submit your solution as a single <firstName>_<lastName>.zip archive file
- The archive should contain only one root folder named <firstName>_<lastName>
- The folder should contain the necessary files to successfully run the project
- The folder should contain README.md file with a VERY BRIEF explanation about the solution. Here you can explain any assumptions or shortcuts that you have chosen to make.
- Exclude any files and folders you would usually put in the .gitignore file

Please be pragmatic and thank you in advance for your interest in Truecaller and for the time you have spent for us. We sincerely hope to see you as part of our team.

Frequently Asked Questions

Can I use third party libraries?

- Yes, use your best judgement for what is important.

Should I use Vue / React / ...?

- You are free to choose whatever framework you see fit to solve the assignment. We work mostly with the Vue.js ecosystem.

Do I have to build a complex UI?

- This is not a requirement, however you are free to do so if you think it will better showcase your skill-set.

Should I write tests?

- It is not required, however you are free to do so if you think it will better showcase your skill set.