

At first I was confused what to do. Is it designing any website and showing ads or what else? But after reading the docs a couple more times I understand that the task is to design a website for a search engine. While I was completing the task the thoughts that went through my mind were, why did they choose this task, what is the intention behind them. What approach should I use to let them see my skill through these tasks? Why did they leave obvious mistakes in the code that are not mentioned in the doc, are they intentional? At the end I was happy with what I achieved.

I have tried different approaches to tackle the task. When I started working on the tasks, the first approach that came to my mind was to use ReactJs for the front-end but it requires a little bit of work to setup and it might not work for them since it has a lot of dependencies, thus I dropped the idea and stick with using jquery. The initial approach of the code template to generate the form was not flexible so I refreshed my jQuery knowledge and followed a more flexible approach, which turns out to be a lot of help later when I modified and added new inputs. To render ads *game_id* and *version* is required. *Version* is not returned from the search result. I go through the code and find out for the same *game_id* all matched *versions* that I have tested show the same ad content thus I just take the first one to show the ad. Showing the ads for all search results was expensive so I added a "preview ad" button to show the ad only when needed. Most ads don't have features. I had to know which ads have features to test if my UI to render features is correct and finding ads that have features from the search results was time consuming thus I prioritize other tasks over show features.