

# DevClub Recruitment Assignment

## Brain Warm Up

By looking at the problem it seems that both (a) and (b) have their own benefits and have left us in struggle. (a) Option seems better in generic case as it saves space and also suites if new files are added though falls behind when it comes to computational load and time.

Better heuristic solutions which I think can be-

- We know max downloads are hit 1-2 weeks before minors and majors so we can preset that (a) and move to (b) during this time.
- Another solution can be that we can have a memory type system with a defined threshold value, if download of particular file exceeds that, then we can move to (b) exclusively for that file.
- Another solution can be that the system with the help of AI or ML (don't know much about kind of stuff) can predict using cookies and history which file the user will download and zip it to be downloaded.

## Design Assignment

- Open the Website
- A phaser platformer game which has been adapted as nav bar to engage user.(though terrain background etc. could have been improved)
- Move sprite (could have been better spritesheet) using WASD or arrow keys.
- Aim was rather to make Mario type platformer and the sprite will jump to the nav tile and will thus open the respective page, But due to less skills in Phaser (searching for phaser was also a difficult task !!) could not accomplish all that was in mind, But still some feel type is made.
- Click on nav tiles to navigate through the website.
- First webpage is Our Products
- Aim was to make 3d customisable watches as product in which the 3d model could be on the spot personalised to ones colour style etc.
- For that I learnt about THREE.js but due to lack of time and less information available online could not do what was thought initially.
- The current page though may seem simple is aesthetic and soothing, as it partially accomplishes what I had in mind.

- The page has been optimised as much as I could do but still takes time to load as elements have been embedded from third party (which I still regret as initially I had in mind to design my own model using autocad ). The buy now button is disabled and I know that I could have made a cart type page and added option to add in cart or compare those added.
- Also a back/home button could have been added but for now use the default back button.(sorry for that, it may be annoying)
- Next one gets nostalgic seeing that simple platformer and lands to about us page.
- It is simple yet engaging and after adding images and data can prove to be a client attractor.(I know you may have seen that design earlier but it still is not in action on site I have visited till date)
- Next you will lead to our team page which may not work on CodeSandBox (I don't know why ?) but you can always run that locally.
- This page has been made using swiper.js which is best in class swiper and provides great designs.(it is edited version of one of the examples in swiper.js)
- Next page is contact us which has been designed to current standards and is visually appealing. It can be further extended to enhance the viewer experience.
- The website though may need some touch ups and upgradation, serves the current motive to appeal you what I have in mind (though you may not agree)
- I have done my best which I think was the main motive of this, recruitment stands second (though I want it to be the first) when I see back now as I have learnt many new things in the journey and would like to thank me to initiate this journey as I myself would not have done this.

**THANKS**

## **BONUS**

Though in beginning I thought that it is some kind of cryptography related cipher and out of my scope.

But wait !!

I thought why not cheat (I love it by the way)

So I downloaded a dictionary data set read it using python and put filter as per requirement like 8 letter words with same 1<sup>st</sup> and 3<sup>rd</sup> character like this I narrowed my data set and got "properly".

And then it was cake walk to figure it out - "PLEASE WASH HANDS PROPERLY"

OK I will !!

## ENDNOTE

Though I believe many would have made much better project than mine but still I believe that if I am already an expert why would I join you. I accept that my work is not upto mark but my efforts are, which matters a lot to me.

Also I have high interest in everything and anything related to coding.

If you have read till here !! (hats off for your dedication to find worthy recruits)

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