# Technical Evaluation : Documentation

## Overall Experience

The evaluation was challenging and fun, it took me around a day to finish it (+/- 8h total). I faced several difficulties, was stuck on many points but eventually found the solutions to each problem. The main challenges were:

➔ **Getting back to front-end technologies:** I am currently doing the NumericALL Fullstack Web bootcamp. Right now we study back-end technologies, so I haven't used javascript in a while. It cost me a lot of time getting used to it again. Also, all my projects so far were done in jquery whereas this one was made in javascript (in order to use firebase more easily in my scripts), which cost me additional time.

➔ **The evaluation was entirely done by my own**, so no advice/help from experienced developers. Every time I faced an obstacle, I had to twist my head around it for a while.

➔ **Lack of experience in Firebase**. The only database we used so far is mySQL on phpMyAdmin. We also never converted data into json format, we always used .json files.

## Step 1: Converting .csv to .json

**First time converting data into a json format**. I did several researches, found scripts in javaScript and Python to do it manually but struggled making them work. So I eventually decided to use an online platform that converts the files quickly.

Time needed:
1-2h.

Personal impression on result:

I structured the json file very simply, if there is more efficient ways to do it I would love to learn about it.

## Step2: Upload data to Firebase

Challenges:

Discovering Firebase, how to set up a new database, how to link it to a javaScript file, getting familiar with the platform.

Time spent:
1-2h.

Personal impression on result:
Learning new technologies is always challenging, especially if you lack experience. I spent time trying to understand each component by myself, this procedure would have been faster with the help of someone more experienced.

Step 1: Converting .csv to .json

# Step 3: Create Dashboard

<span style="color:red">Challenges:</span>

This part took me longest, I had to experiment different ways to retrieve data from Firebase. I tried different methods, which cost a lot of time.

<span style="color:green">Time spent:</span>
3-4h

<span style="color:orange">Personal Comments:</span>
I kept the design very simple using bootstrap, since there were no clear instructions. Overall, I prefer to collaborate with the UX/UI designer for these matters.
I kept the scripts simple, working on Angular would have cost me a lot of additional time. We learned the very basics, but I don't feel confident enough yet to start a project by my own using it. However, knowing how powerful the tool is, I would be delighted to learn this technology with help from an experienced developer.
<u>Note:</u> As I used bootstrap, I didn't put any styles in the css file. However, if you want to evaluate my skill , I invite you to visit my netlify pages I created during the bootcamp:

- https://shop-art-mitchio.netlify.app
- https://cupcake-mitchio.netlify.app
- https://dreamshare-mitchio-weber.netlify.app

I can send you my github repositories if you are interested, I am also open for a css/style challenge/evaluation, as this one was more focused on handling the data from the back-end than the styling.

# Step4: Deploy application

<span style="color:red">Challenges:</span>

No difficulties, easy compared to the other steps.

<span style="color:green">Time:</span>
Around 1 hour.

<span style="color:orange">Comments:</span>
I used a tutorial on youtube to host the app.

# Conclusion

The evaluation was challenging and fun. I'm constantly looking for new challenges, trying to push myself and learn as much as possible as I am confident in my learning skills. Going through each step by my own was struggling, cost time but the satisfaction I get every time I achieve it is indescribable and is the main reason why I love coding.

Overall, I realize that my work is very simplified compared to the client's expectations, but I am more than willing to strengthen my coding skills and learn new technologies to bring out user-friendly/highly performant applications.