

## MJ Freeway Engineering Skills Assessment

Welcome to the MJ Freeway Engineering Skills Assessment. Below is the instructions for completing the skills assessment. If at any time you have any questions, feel free to contact Vincent West at Vincent.west@mjfreeway.com. We look forward to seeing what you produce!

### Minimum Requirements

Below is the minimum requirements for your application. Please feel free to go beyond the minimum requirements and showcase some of the skills!

### Application Description

I love caffeine... I need an application that will tell me if I am having safe levels of caffeine. Assuming that 500mg of caffeine is safe. I need to be able to select one of my favorite drinks, tell you how many I consumed. You need to tell me how many more of my favorite drinks I can have to stay in a safe limit.

### Favorite Caffeinated Drinks

Drink	Description
Monster Ultra Sunrise	A refreshing orange beverage that has 75mg of caffeine per serving. Every can has two servings.
Black Coffee	The classic, the average 8oz. serving of black coffee has 95mg of caffeine.
Americano	Sometimes you need to water it down a bit... and in comes the americano with an average of 77mg. of caffeine per serving.
Sugar free NOS	Another orange delight without the sugar. It has 130 mg. per serving and each can has two servings.
5 Hour Energy	And amazing shot of get up and go! Each 2 fl. oz. container has 200mg of caffeine to get you going.

### Minimum Requirements

Requirement	Description
Data entry page	A place for me to select a beverage and tell you how many I have consumed.
Response	A response, it can be same page or another page where I can see how much more I can consume.

### Build Environment / Hosting of Application

There is no requirement to host your code as internet accessible (though that is a nice bonus point) We only ask that you make your source code for your application available on one of the major GIT based code repositories (github, bitbucket, gitlab) to make that available to our team for review and be prepared to do a screen share of your application running for your code review with the team.

### Scoring

This project is very general. It has room for many improvements and a lot of creativity. You are more than welcome to apply as much as you would like to showcase your skills. Below is what we will be scoring your application on.

Type	Parameter	Description
Code	MVC	Does your code follow common MVC practices.
	Security	Does your code have vulnerabilities.
	Validation	Can your application be broken and does it tell me how to fix my errors.
Application	Logic	Does the logic used in your application work and is it correct.
	Design	Is your application designed in a way that is easy to use and make sense.
	Functionality	Does the application function as expected.
Bonus	API Based	Bonus if you build the application so that it is API driven with API endpoints.
	Database	Bonus if your application uses the MySQL instance that is installed locally.

Thank you for taking the MJ Freeway Skills Assessment. We look forward to seeing what you produce!