**Coding exercise - Python (full stack) position.**

You have been chosen to code an Inventory System for Mercury Wireless. Given your expertise in web technologies, you’ve been asked to code a CRUD for one of the database entities provided. This is an opportunity for you to use the best of your abilities.

The “table” or entity to work with will be provided on a per candidate basis. Included in the email this evaluation came with.

A full database diagram is provided as a guide, please note that you are not supposed to code the entire project.

**Timeframe:**

2 days from the moment this exercise is sent.

**Stack:**

The language of choice is based on the skills required by the job position (ReactJs for the frontend, Python for the backend)

**Evaluation:**

We’re going to be reviewing all 4 instances of the CRUD process (Create, Read, Update and Delete). Both from a frontend and backend point of view.

This stage of the hiring process is used to gauge the skills discussed in your first interview. Please make use of them as you see fit. No answer is wrong (except incomplete answers).

If your particular skillset inclines towards the frontend, then expertise on choosing frontend libraries, components creation, UX and UI are going to be considered. However, if you have a preference for the backend then error handling, unit testing, code readability and performance will be looked for.

For this exercise, no database skills or connection are required, make use of the file system to persist the data created.

Bonus points for unit tests.

**I finished, what’s next?**

When the code is ready please ask for an invitation to a repository and push your code accordingly.

Questions? Reach out to guillermo.salazar@mercurywireless.com

**Good luck!**