Backend Take Home Challenge

At mPharma we need to build a lot of APIs, and for this challenge, we ask that you build a RESTful API that can allow us to utilize an internationally recognized set of diagnosis codes. This HTTP/S API should be able to:

- Create a new diagnosis code record
- Edit an existing diagnosis code record
- List diagnosis codes in batches of 20 (and paginate through the rest of the record)
- Retrieve diagnosis codes by ID
- Delete a diagnosis code by ID

Non-functional Requirements

- All your API endpoints should respond within 100ms
- Add Unit tests to your code
- Add a readme to your project
    - To help setup & run your code
    - To explain any important architectural consideration for your project
    - If initial data fixtures are not loaded on first run, then please provide instructions as to how one would load

Format of Delivery

- commit your code to your public git repository
- Set up should be as simple as a few **docker** commands or **docker-compose up**

Notes:

- A sample of ICD-10 coding can be downloaded from https://github.com/kamillamagna/ICD-10-CSV for your reference
- Diagnosis codes get updated periodically (which may or may not be backward compatible) e.g icd-9, icd-10; ensure you schema reflects this increment
- Choose your prefered programing language (we like Python)
- Choose a database you are most comfortable with (we like Postgres)

Reference

- https://en.wikipedia.org/wiki/ICD-10
- https://en.wikipedia.org/wiki/International_Statistical_Classification_of_Diseases_and_Related_Health_Problems

We respect your time, and we understand that you are already busy. We only expect 4 hours to be spent completing this challenge. If you would like to spend more time working on it, you are free to do so, but please know that if you do not finish, it is not the end of the world. At the end of the day, we want to see the way that you tackle problems, how fast you learn new technologies, and your level of knowledge right now. If you have any questions during this process, feel free to ask!