As part of the interview process, we would like you to experience what it is like to work at JLK Technology! The following is an open-ended assignment where you can use any resources at your disposal to complete.

**JLK Tech Web Developer Assignment**

As part of our healthcare ecosystem, we would like to create a new web app for patients to self-discover possible medical conditions they might be facing, before consulting a doctor on our telehealth platform. After consulting our clients and stakeholders, they have come up with a list of requirements:

**Functional Requirements**

**Symptom Input Page**

1. Create a multi-select dropdown/ checkbox list or any other UI element you deem appropriate that allows users to select a variety of symptoms (e.g., high\_fever, nausea etc.). 1
2. Implement an auto-complete search bar to add symptoms to the list.

**Result Output**

1. Display a list of possible medical conditions based on selected symptoms.
2. Use appropriate data structures to store and fetch medical conditions efficiently.

**Drug Treatment**

1. Clicking on a medical condition should display the list of drugs to treat this condition2
2. There might be conditions that do not have drug treatment available.

1 The list of medical conditions – symptoms can be downloaded here:  
<https://storage.googleapis.com/take-home-assignments/symptoms-data/symptoms.csv>

The format is:

medical condition, <symptom 1>, <symptom 2>, etc.

2 The list of drugs can be found by making a HTTP GET request to our drug recommendation endpoint.

https://drug-app-7o2mnqk4sa-as.a.run.app/getDrugs/`condition`

e.g. <https://drug-app-7o2mnqk4sa-as.a.run.app/getDrugs/Diabetes>

The HTTP endpoint returns a JSON-formatted array of strings as its response payload. If the specified condition is not found, the server will respond with a 404 (Not Found) HTTP status code.

**Technical Requirements**

1. The app should have minimal latency.
2. The app should handle any errors gracefully

**Design Requirements**

1. The UI should be intuitive and user-friendly.
2. Consider the user journey from opening the app, inputting symptoms, to receiving and understanding the results.

**Submission Guidelines**

1. You have **4 days** to complete and submit the assignment. Let us know if you need an extension.
2. Include a README file that explains how to run the app, along with any design decisions you made.
3. Submit the complete codebase, including all source files and assets via a Github Repository or as a zip file.
4. Feel free to share any design ideas, possible improvements, obstacles, considerations or limitations as part of your submission

**Final notes**

1. Do reach out to us if you have any questions or if any of the links are broken. We’ll try to respond as soon as possible.
2. Be open to make any assumptions you deem reasonable about any part of the assignment. Do state them inside your submission as well
3. Good luck and have fun!