**Alchemy Telco Solutions Limited, Proprietary and Confidential**

Intern Basic Competency Test **Alchemy Telco Solutions Limited, Proprietary and Confidential**

Technical Competency Test

First, create new repository on GitHub (If you don’t have an account, create a new one, it is free) and add this file with your answers to the repository. Once finished, please share the link with us.

1. **Can you list few techniques which you can use to make responsive websites as a frontend developer?**

CSS Media Queries, Responsive Data Tables, Responsive Navigation menus, Fluid Images

1. **How can you test a website responsiveness? Which tools in modern browsers you can use for that?**

This can be done manually or by using tools to view a website on different devices.

Emulators is a popular tool for Chrome that can test website responsiveness so you can see how a website will be displayed on different devices.

1. **What is your favourite text editor and why?**

Notepad/++. It is easy to use, popular for beginners and experts. As the default Windows editor it is a text editor many people are comfortable with.

1. **What is the one keyboard shortcut you wish everyone would know?**

Alt and tab keys to easily move between different programs.

1. **What was the last article or book you have read related to IT? What did you learn from it?**

I read a recent article about how drones are commonly used for photography, videos, to cover live events, deliver small items, and to survey dangerous places and situations. I learned that Amazon and Google proposed to delivery packages using drones and this is connected to cloud.

1. **Have you ever worked with API? Can you describe what is it for?**

I have not worked with API. But I know API (Application Programming Interface) that allows an interface to interact with the end user. It is how one application can interact with another.

1. **Ignoring cookies, what other technology or approach you can use to store data on client side?**

IndexedDB which is a Javascript API can store data on client side in the browser.

1. **Pick a site you are familiar with and list 3-5 things you would do to improve its UI/UX.**

Birmingham Mail -

* Website speed is generally slower to load all its content, should load faster.
* The site adds should be smaller than the article cover image
* The navigation bar should remain on the screen when scrolling down

**Practical task:**

Create a simple page with a button. Load a new random image on every click of the button. If possible, avoid reloading the whole page on click.

You can use this API https://dog.ceo/dog-api/ to get random images of dogs. Feel free to use any other source of animal images if dogs are not your cup of tea.

Add all task related files to the repository on GitHub you have created.

Have fun