**Readme –**

This document has Express, Node.js and Puppeteer projects listed below for the web developer role. I have included few projects I have done.

1. **Mobile website using Express, Node and Puppeteer -**

This project was an experiment to test out whether it was feasible to make a clone of a website and in to a mobile website without database access and the limitations of this if possible. It was an on-going project but due to the downfall of the text based role-play game it was put on pause.

The mobile website takes existing users email address and password and POST it over to Puppeteer to grab. This would enable Puppeteer to load up Chromium (Non headless at this experiment). Once at the website, it would input the email and password and login. This then would change the user’s page in to the logged in state and show the users character information using the scrape functionality of Puppeteer. Then send it over to mobile website for users to use.

There were speed fluctuation levels when logging on as it takes a while to load the chromium browser up. There are a few possible solutions such as having it to connect to an existing chromium window and that way no time is lost.

For presentation purposes, I can only show images as the index.pug file got corrupted along with the CSS file due to power loss. I do have a few screen shots of how the website looked and have included the source code of this site inside the folder with this document. The screen shots are in a separate image folder.

You may see var text, var text2 and etc.. This can also be displayed as Var text, text2, text3 and etc..

For testing purposes – You can install these following packages if want to test it out.

Express

Puppeteer

Pug template engine

1. Web scraper using VBscript, Node.js, MySQL and Discord API

This project was more of a challenge given to me to see if I could combine all 4 together and build something. My proposal was to build a system that would scrape contents using VBScript and insert it in to MySQL and then have Node.JS take out the contents. Then when someone uses a command in the discord channel, the bot would give an output of that.

VBscript runs stand alone, to use the programs. You would need to run the VBScript ensuring no cloud flare protection pops up on site as this would interrupt the code and cause it to stop running. One of many fixes is store the cf\_cookie every hour or 2 to ensure no interrupts as the cf\_cookie expire around 1 hour and 30 minutes. I am unsure if cookie would expire around the same time on other sites.

To test this – I have a folder with images of the program working with discord. For this purpose you can use CMD/terminal to get the output instead but I will mention the process if you were to use discord to test out the bot. There is also database dump inside the folder.

The packages you would need to install are:

Discord API

MySQL

For Visual Basic Script, you will need “MySQL ODBC 3.51 Driver”

If you want to test the discord bot too then you will need to go on this site –

<https://discordapp.com/developers/applications/>

* Make an account
* Make a bot
* Activate it so you get the client ID and bot token
* Make a discord server
* Then go on this site - <https://discordapp.com/oauth2/authorize?client_id=CLIENTID&scope=bot>
* CLIENTID will be your client id and then add the bot to your discord server.
* On the Node.js app, go on const token and add your token in there.
* Then you will need to change the database login info according to what you set on MySQL.

*(If you need more MySQL experience, I do have another project that I’m that uses PHP and MySQL that I can demonstrate if needed.)*

I hope you enjoy the projects. I have included a PowerPoint of a few more of my node.js projects. Thank you very much for reading and I hope to hear from you soon.