***Requirements***

1. A bot which searches and checks a predefined set of sites for hard to purchase technology components (GPU's)

List of graphics cards to be searched for:

* RTX 3060
* RTX 3070
* RTX 3080
* RTX 3090
* RX 6700
* RX 6800 XT
* RX 6900 XT

1. The bot must run on an internal basis. e.g. every 10 mins so it needs to be able to persist what items it found to ensure it is not constantly tweeting the same product in stock.
2. Supported retailers:

* Ebuyer.com
* Overclockers.co.uk
* Novatech.co.uk
* Scan.co.uk

1. Products should be found via the search page for example: https://www.ebuyer.com/search?q=rtx+3080 and then the bot should check each page for stock.
2. This function will be deployed on AWS and should be built using the Chalice framework: <https://github.com/aws/chalice>

An similar example has been written in Go which can be found here: <https://github.com/AlexLast/stock-notifier>

Example filters configuration:

[

{

"term": "RTX 3070",

"interval": 60,

"minPrice": 500,

"maxPrice": 650

},

{

"term": "RTX 3080",

"interval": 60,

"minPrice": 500,

"maxPrice": 800

},

{

"term": "RX 6800",

"interval": 60,

"minPrice": 500,

"maxPrice": 800

}

]

Ebuyer.com

RTX 3060

Item container xpath = //body/section[@id='main-content']/div[1]/div[1]/div[2]/div[4]/div[1]

Item image xpath = //body/section[@id='main-content']/div[1]/div[1]/div[2]/div[4]/div[1]/div[1]/a[1]/img[1]

Item link text xpath = //body/section[@id='main-content']/div[1]/div[1]/div[2]/div[4]/div[1]/h3[1]/a[1]

Items grid view xpath = //body/section[@id='main-content']/div[1]/div[1]/div[2]/div[4]

Items list view xpath = //body/section[@id='main-content']/div[1]/div[1]/div[2]/div[3]

Items page number xpath bottom = //body/section[@id='main-content']/div[1]/div[1]/div[2]/div[5]/div[1]/div[2]/ul[1]

Items page number xpath top = //body[1]/section[1]/div[1]/div[1]/div[2]/div[2]/div[1]/div[2]/ul[1]