**SE Project Requirements**

Create a UK Postcode search tool that can retrieve the following information for a valid full UK postcode:

1. Latest Planning Permissions records within a 2 mile radius of the search postcode (up to 5 records)   
   You can retrieve this information from: Planit.org.uk  
   A sample HTTP request looks as follows:  
   <https://www.planit.org.uk/api/applics/json?pcode=W5+3DF&krad=1.0&recent=5>  
     
   krad specifies the radius of search from the pcode i.e the postcode in question. Note the pcode parameter is HTML encoded, recent refers to the latest5 records
2. Retrieve the parliamentary\_constituency from https://api.postcodes.io/postcodes/<postcode>
3. Retrieve the nearest postcodes from api.postcodes.io/postcodes?lon=<longitude>&lat=<latitude>
4. Retrieve the latest 10 crimes from data.police.uk. The API is open and you can make calls to the data service without any authentication requirements. Example: <https://data.police.uk/api/crimes-street/all-crime?lat=52.629729&lng=-1.131592>  
     
   The date parameter is optional and will pick the latest month for any crime data.
5. Count the total number of records returned from (4)
6. Layout the information from (1), (2), (3) and (4) on 4 separate sections.  
   Bonus requirement: if the number of records retrieved from (5) is below or equal to 5, make the particular section’s background color as green or style the background color as red
7. Create a database table that stores the search postcode and the date/time when the search was made

Technologies to be used, S3 to host your HTML, jquery or Vue, some CSS, Python / Lambda, AWS API gateway