Coursera Capstone project

**1. Introduction / Business Problem :**

I am an Algerian citizen, and as you may know Algeria is a touristic country, specially the capital “Algiers”, but a lot of people how come to visit Algiers from inside or outside of Algeria don’t know where to go and the neighborhoods where they can find places to where to spend their stay like Hotels, restaurants and so on. So the purpose of this project is to Analyze the neighborhoods of Algiers, and extract different venues in each neighborhoods, then cluster all similar neighborhoods in the same clusters and display this neighborhoods in a map using folium.Also display different venues that exist in a cluster by selecting the cluster to find travelers find and select the venue that they want in the cluster of neighborhoods that they want.

**2. Data description :**

I will use in this project a json file that contain each neighborhood in Algeria, the city of this neighborhood, latitude and longitude of the neighborhood and select only the neighborhoods that exist in the city of Algiers to create my data frame. Then I will use the Foursquare API to get the venues in each neighborhood and do all my analysis in the resulting data.