# Use Case

## Introduction/Business Problem:

I used to travel a lot to many new places as a trip. It's cumbersome task to choose an hotel at a optimal location which is nearby to all/maximum tourist places.  By this, it would be easy for any traveller to book an hotel and cover maximum tourist spots.

## Solution:

I would be building an app, which takes the location from the traveller where he is going to travel. Obtain all tourists places, hotels, restaurants etc. available around that town using Foursquare API. Find an optimal area and give an list of hotels and its ratings & reviews for the user to select.

## Data:

I would be using Foursquare API data to extract venues, places, ratings etc. and geopy to obtain location data. I would perform clustering based on different areas to obtain local and global optima. I would use folium library to visualise areas in maps.