**Capstone Project Submission**

**Instructions:**

i) Please fill in all the required information.

ii) Avoid grammatical errors.

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| **Name, Email, and Contribution:** |
| AYESHA FIRDOSE W |
| **Please paste the GitHub Repo link.** |
| GitHub Link:- <https://github.com/Link/to/Repo> |
| **Airbnb Booking Analysis** |
| **Please write a short summary of your Capstone project and its components. Describe the problem statement, your approaches, and your conclusions. (200-400 words)**  **Airbnb is an online marketplace that connects people looking to rent out their homes with people looking for accommodation in specific locations.**  **The company has come a long way since 2007 when its co-founders first came up with the idea of ​​inviting paying guests to sleep on an air mattress in their living room. According to the latest data, Airbnb has more than six million listings, covering more than 100,000 cities and towns and more than 220 countries worldwide.**  **As I collected the data from the provided csv file, I planned my approach according to the problem statement which was given, planning the data for further analysis is important, as we may take the information from the dataset to check the null and non-null values. I processed data cleaning before exploring the data and analyzing it.**  **Once the data cleaning was done, I prepared for further analysis and started the Exploratory data analysis based on the problem statement, my analysis was based on:**   * **Taking out the insights from different areas and hosts from the dataset** * **Predicting the data based on locations, prices, and reviews.** * **I also had to list out the busiest host and its reason** * **To check the traffic among different areas and its reason.**   **Among different areas and hosts, Manhattan holds a record for the highest number of bookings followed by Brooklyn, whereas Staten Island has very few guests who booked. And the most preferable room type in popular neighborhood groups such as Manhattan is the Entire home/apt followed by Brooklyn which is a private room type.**  **Queens, Staten Island, and the Bronx are less preferred because the number of overnight stays and hosts are also very low, this may be because tourists are attracted to well-known places that are more advertised, and these are less well-known destinations and considered to be “forgotten boroughs”.**  **Also, in the minimum\_nights column, I noted that there were 1 or 2 nights in the dataset and the prices for those nights were 0, we can say that Airbnb provides free nights to its Elite or Premium members to attract customers to prefer Airbnb to perform your reservations for next time** |