**BU-Beta**

**Mock Project**

**Hotel Booking Demand**

**Problem Statement**

Make use of the **Hotels Booking** data and conduct an end-to-end EDA to bring forward insights pertaining to the 2 hotel types to draw comparisons like:

* *When is the best time of year to book a hotel room?*
* *What is the optimal length of stay in order to get the best daily rate?*
* *What if you wanted to predict whether a hotel was likely to receive a disproportionately high number of special requests?*

The above questions are merely examples of the type of questions that can be explored. You are expected to come up with more of such questions of your own during the EDA.

Conduct an overall EDA to come up with relevant insights and trends that can be reported.

**Data Context**

The dataset contains a single file comparing booking information for two hotels: a city hotel and a resort hotel. It includes information such as when the booking was made, length of stay, the number of adults, children, and/or babies, and the number of available parking spaces, among other things. Make use of the data dictionary to get a better understanding of the dataset.

**Tasks**

1. **Exploratory Data Analysis:** Conduct an extensive EDA on the Hotels Booking Data using the EDA brick and the techniques learnt.
2. **Dashboarding:** Create a Dashboard that serves as an insight reporting framework.
   * There must be more than one view
   * The dashboard should be dynamic in nature (use of drop downs etc.)
   * Visualizations, Relevance of Content & Functionality of the dashboard would be the main parameters to focus on
3. **Storyboarding & Deck Making:** Create a story flow, through the use of a deck, to present the problem context along with questions that can be answered using the Hotels Booking data.
   * There must be appropriate use of graphs and visualizations to convey the insights
   * A special focus must be given to presentation and flow of the deck