**Capstone Project Submission**

**Instructions:**

I) Please fill in all the required information.

ii) Avoid grammatical errors.

|  |
| --- |
| **Team Member’s Name, Email and Contribution:**  **Contributor Roles:**   1. **Ashish Yadav**   [**itsmeashu2000@gmail.com**](mailto:itsmeashu2000@gmail.com)   * Data Wrangling:  1. Finding the null values “Nan”. 2. Replace those null values with zeros.  * Data Preparation:  1. Converting “Float” data type into “integer”. 2. Convert the data type to “String”.  * Cancelled Bookings * Arrival Dates By Months * Year of Arrival * Market Segment  1. **Rohit Sakharkar**   [**rohitsakharkar11@gmail.com**](mailto:rohitsakharkar11@gmail.com)   * Data Wrangling:  1. Finding the null values “Nan”. 2. Replace those null values with zeros.  * Data Preparation:  1. Converting “Float” data type into “integer”.  * Merge “children”, “Babies”, and “Adults” columns into “members” columns * Confirmed Bookings * Customers Type * Relation between Price and Months * Yearly booking of different hotel.  1. **Mithlesh Singh**   [**mks937449@gmail.com**](mailto:mks937449@gmail.com)   * Data Wrangling:  1. Finding the null values “Nan”. 2. Replace those null values with zeros.  * Data Preparation:  1. Converting “Float” data type into “integer”. 2. Convert the data type to “string”.  * Deposit type * Average Daily Rate * Repeated Guests * Meals  1. **Shubham Sanklecha**   [**shubhamsanklecha400@gmail.com**](mailto:shubhamsanklecha400@gmail.com)   * Data Wrangling:  1. Finding the null values “Nan”. 2. Replace those null values with zeros.  * Data Preparation:  1. Converting “Float” data type into “integer”.  * Booking Changes * Reservation Status * Yearly Booking of Different Hotels. * The booking and cancelled status of different hotels.  1. **Nikita Negi**   [**nikitanegi4100@gmail.com**](mailto:nikitanegi4100@gmail.com)   * Data Wrangling:  1. Finding the null values “Nan”. 2. Replace those null values with zeros.  * Data Preparation:  1. Converting “Float” data type into “integer”  * Cancelled Bookings * Meals * Most preferred hotel percentage by customers. * Customers Type * Monthly Booking of Different Hotels. |
| **Please paste the GitHub Repo link.** |
| Github Link:-[**https://github.com/ashu08520/ashu08520.git**](https://github.com/ashu08520/ashu08520.git) |
| **Please write a short summary of your Capstone project and its components. Describe the problem statement, your approaches and your conclusions. (200-400 words)**In this project, we will be doing analysis of the given Dataset to analyze the main aspects in the functioning of Hotel Bookings. This data set contains booking information for a city hotel and a resort hotel and 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, arrival date month, arrival date day of month, arrival date year, is repeated guest, previous cancellations, previous bookings not cancelled, reserved room type, booking changes among other things. All personally identifying information has from the data.  The process of our analysis will be by understanding the Datasets, Data preparation and wrangling, analyze the data, and model the data and conclusion.  We will perform exploratory data analysis with python to get insight from the data it is easy to understand that how many booking have been confirmed, arrival dates by months, year of arrival, market segment and many more.  After completing the analysis of our data, we used matplotlib and seaborn libraries of python to present our analysis graphically.  Using the results from the analysis, we can understand the customer’s’ behavior and business can make important decisions regarding the customer what they want. |