PROJECT REPORT ON
RESTAURANT MANAGEMENT SYSTEM

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RESTAURANT MANAGEMENT SYSTEM

Artifacts

Abstract:

This report is conducted in order to set the foundation for the final project. The title of the project is "**Restaurant Management System**".
The main objective of this project is to explore the opportunities, challenges and the conditions that could lead in building a successful Android application. The simplicity and ease of accessing the menu and booking a table or a room makes it easier for the diners to flip, swipe and tap through the menu. We here aim to provide the menu, rooms and table-bookings which are highly recommended by many national and international restaurants.

Data types and its description:

The data types we have used in this project are:
- **Integer:** One optional sign or character (+ or -) followed by at least one digit (0-9). Leading and trailing blanks are ignored. No other characters are allowed.
- **Varchar:** It is used to store alphanumeric characters. In this data type we can set the maximum number of characters upto 8000 ranges by default SQL server will set the size to 50 characters range.
- **Date:** The DATE data type accepts date values. No parameters are required when declaring a DATE data type. Date values should be specified in the form: YYYY-MM-DD. However, point base will also accept single digits entries for month and day values.
- **Time:** The TIME data type accepts time values. No parameters are required when declaring a TIME data type. Date values should be specified in the form: HH"MM:SS. An optional fractional value can be used to represent nanoseconds.
- **Text:** The text data type holds a string with a maximum length of 65,535 bytes.

Data Requirements:

Entities:

The Entities in this model are:
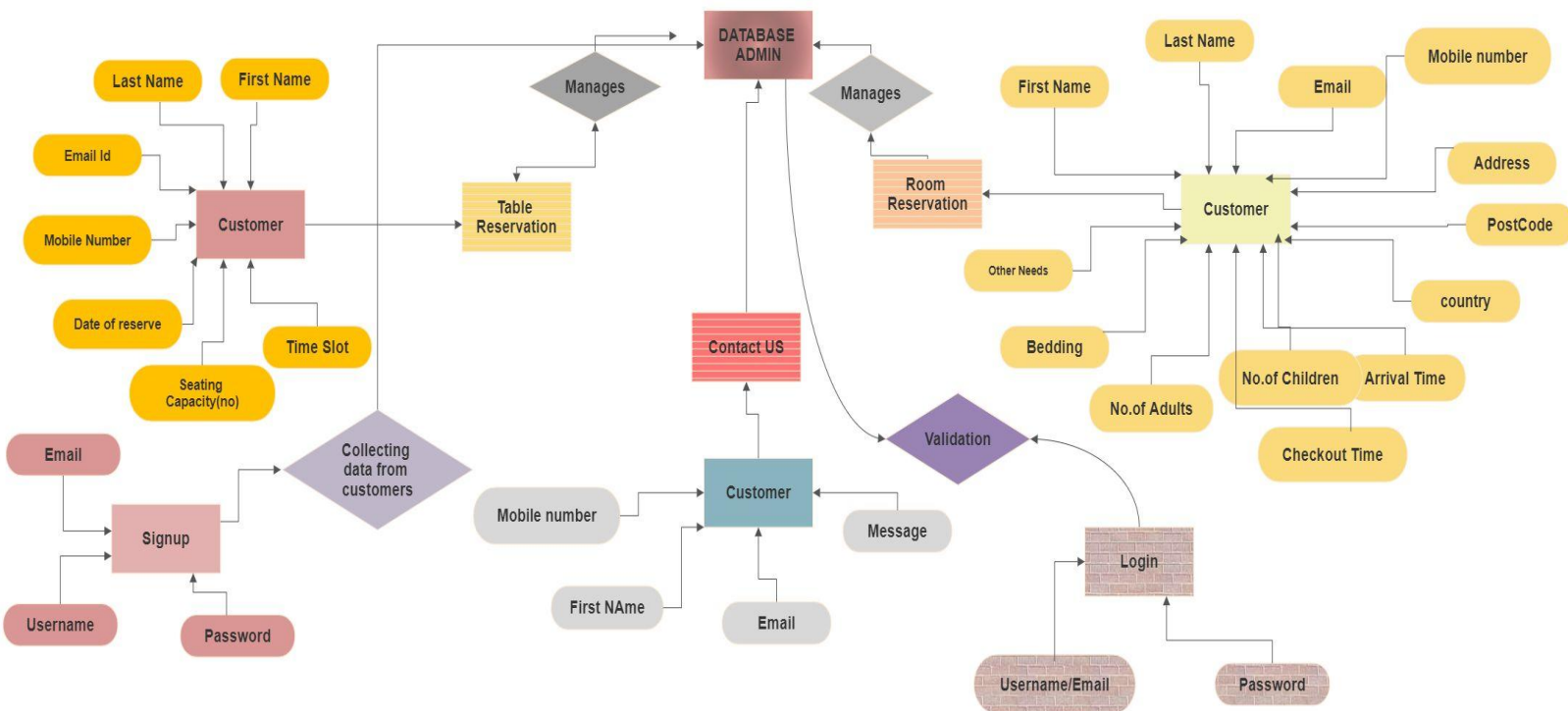- Customer
- Table
- Rooms
- Admin
- Contact Us

Attributes:

The Attributes in this model are:

Entity	Attributes
Customer	FirstName LastName Email id Mobile No Address Post Code Country
Table	Seating Capacity Time Date
Room	Arrival Date Departure Date Number of adults Number of children Bedding Other needs
Admin	Loginid Password
Contact Us	Name Email id Contact Number Message

Cardinality:

- Admin manages the website. (1-N)
- Customers will take a look if the web pages (N-1)
- Customer reserves the table and room (1-N)
- Admin checks the records of the data (N-N)

Entity Relationship Diagram:

Data Flow Diagram: