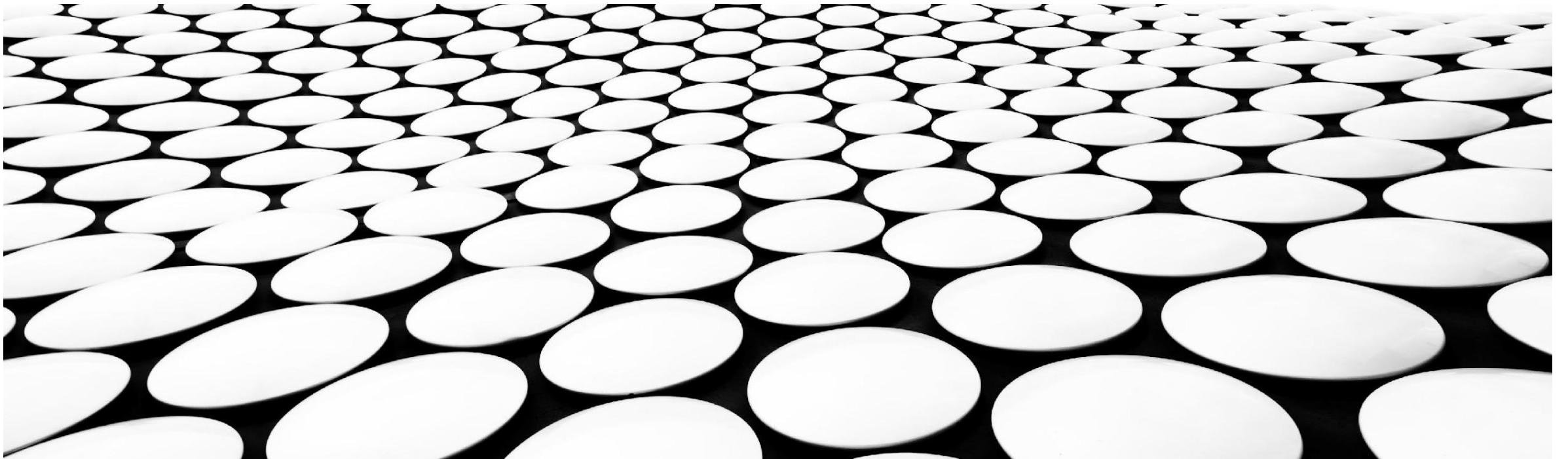# ADVANCED DATABASE MANAGEMENT SYSTEM

CREATED BY :

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Introduction

- DBMS stands for Database Management System.

- DBMS is a software system for creating, organizing and managing the database.

- It provides an environment to the user to perform operations on the database for creation, insertion, deletion, updating and retrieval of data.

Data Models, Schema and Instances

➢ **Data Models:**

 -Describes structure of the database.

 -Aim is to support the development of information

   systems by providing the definition and format of data.

 -If the same data structures are used to store and access

   data then different applications can share data.

 -Classification:

   1. High-Level Model
   2. Representation Model
   3. Low-Level Model

1. <u>High-Level Model</u>

- Ensures data requirement of the users.
- Not concerned with representation, but
  it's a conceptual form.
- Three Imp terms:
  a)Entity: - Any object, exists physically or conceptually.
  b)Attribute:- Property or characteristic of entity.
  c)Relationship:- Association or link b/w two entities.

- These 3 terms make Entity-Relationship Model.

Thank You!