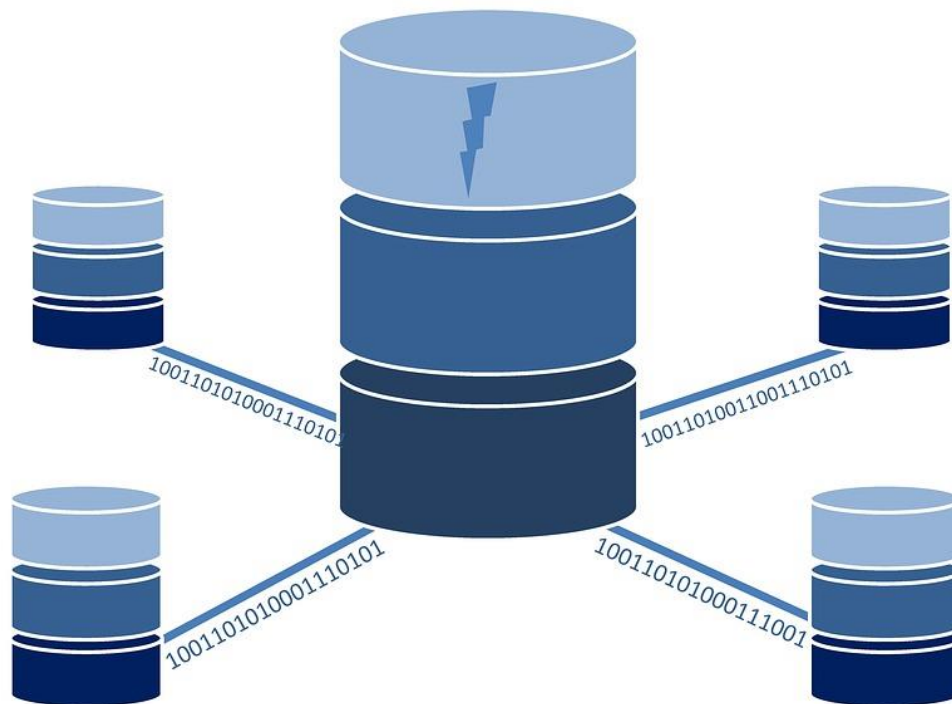# Database Implementation Documentation

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Module   : APG 4007F

Due date   : 28/04/2023

Introduction

Microsoft Access (MS Access) is a relational database management system (RDBMS) that provides the ability to store, organize and manage data. Microsoft Access is widely used by government agencies, education, business and personal projects, etc. to create, manage and maintain database.

The purpose of this project is to implement on MS Access the database designed for the KGCD study area. This will help to organize, validate and store the data.

Creating Tables

Tables are the foundation of relational database, and they allow the data to be stored in a way that is efficient, easy to access and manage. They allow for the organization of data into rows and columns which makes it easy to store and retrieve information. The tables were created by clicking table design on the ribbon menu and using the physical model as a guide to enter the field names and data types. The primary keys were set for the tables by selecting the field(s) that will uniquely identifies each record in the table.

Populating Tables

Populating tables is the process of exporting data from one source to another, linking data between tables in the database and creating relationships between entities. This helps to improve the consistency and avoid redundancy. Populating tables in MS Access you enter the data one cell at a time, with each row denoting a unique record and each column denoting a particular data field.

Query Design

Queries allow users to ask questions and extract information from the database. They don't take up any storage space in the database, they only store the instruction on how to put together the existing data.