Major Assignment
Subject: Database Management

Introduction

This is a group assignment with 2 or 3 students each group. The following case description only the guidance, the case is open, the student should consult and discuss with lecturer, information system experts, and other students to achieve the optimal result. The assignment is part of learning process and to be evaluated as the component of students' final evaluation.

Case Description

Indonesia territory is divided into provinces, Kabupaten/Cities, Kelurahan/Nagari/Desa. You are required to conduct in-depth research to develop a complete and integrated database system for people/inhabitant administration.

Using the computerised information system, Indonesian people data be well managed and can be accessed from any where. *It is expected that all information need could be available such as parents, children, spouse, history of domicile, education, jobs and so on. Every people will have a unique long life ID Number*. This number will be used in many activities, such us to vote in general election, apply for social allowance.

In general the information will be used by many institutions and activities such as the police dept, internal affair agent, taxation office, banking, insurance company, immigration office, general election commission, and soon.

The administration of mutation or movement of inhabitant from one place to other place will be very simple, the database are updated after getting authorization from the officer at the new place.

Required: make sure that you use terms, symbols, and conventions that are discussed in the class.

1. Prepare
   a. Entity Relationship Model
   b. Physical Database Model
   c. Tables Structure
2. Design
   a. Screen input/form for data entries
   b. SQL to retrieve the name and address of people who ever lived in Padang, born in 1967. graduated from University
   c. The procedure to make sure the only authorized update to database occurs.
3. Develop the prototype of the system using MS Access or other DBMS you prefer.

Hint! : You have to conduct field research and be creative and imaginative to define the information need of government agent as well as non government or corporate organizations.

This system is not simple, and is not easy, so be careful. If you think it is easy you are in the wrong track. Question 1 and 2 submit in print out form and question 3 submit in CD