

Barangay Information System ER Diagram

The **barangay information system ER diagram system** shows the relationships of the project entities in its database design. This describes the logical structure of the system's database or data storage. It is done by identifying the barangay information process entities, their properties, and the interactions between them. The database design is sketched out using **barangay information system ER diagrams**. This database sketch becomes the actual basis of the system's data storage that will serve as data destination and source.

Barangay Information System Database Design

The **Barangay Information system database** was made based on barangay information management requirements. The system can encode the residents' information upon their residency. The admin can have access to the residents' status as well as their transactions. They can handle the data needed in managing information and records the request made by the residents. The features included in the system ER diagram were the security and monitoring of the barangay information status. These features were also listed and recorded in reports that served as the history of transactions done in the system.

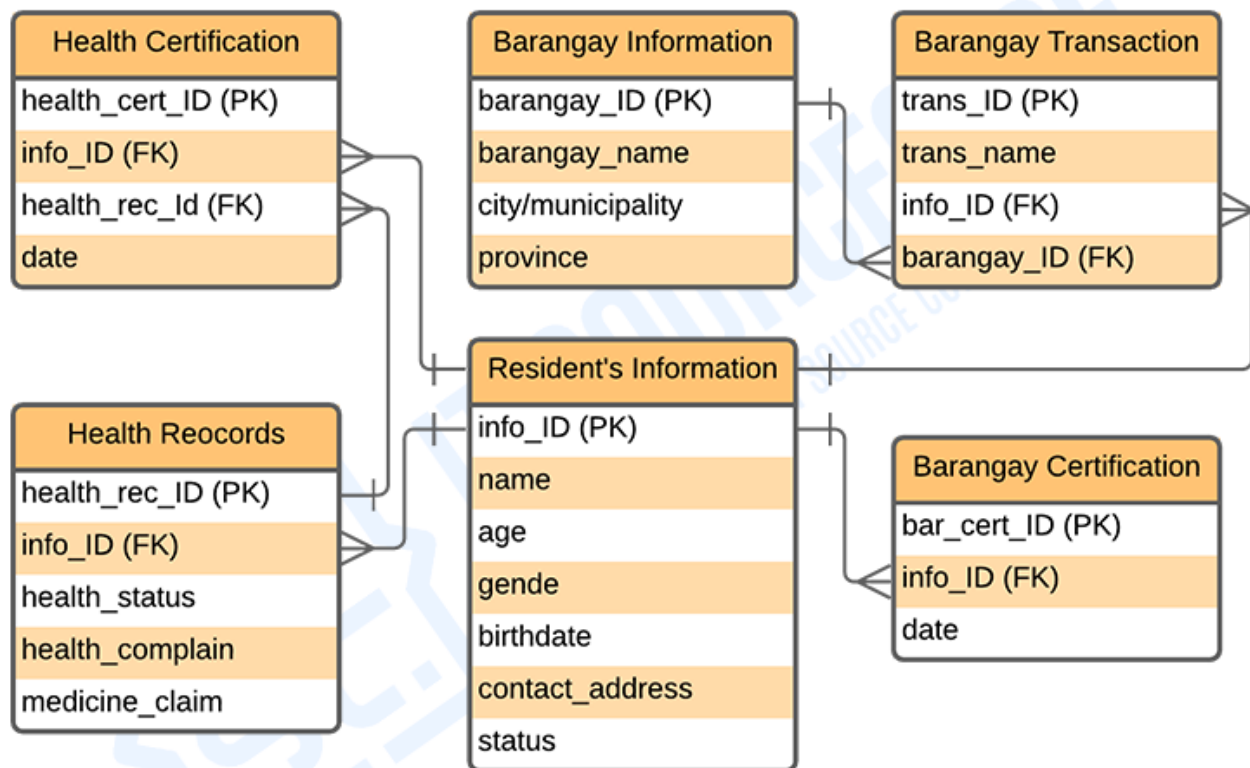
Barangay Information System Features

- **Barangay Information Management** - This means that the system can handle and secure the barangay transactions including the residents' information.
- **Residents' Information Management** - This feature plays a big role in the system because this gathers important information about the barangay residents. This information was used for determining the transactions made by certain barangay residents.
- **Manage Barangay Transaction** - This system stores the transactions that were made in the barangay, these transactions are essential for handling barangay information because this transaction includes releasing of barangay certificates and other proof of residency in the barangay.
- **Transaction and Reports Management** - This feature will store the transactions made including their information and the reports of every transaction in the corresponding timetables.

ER Diagram for Barangay Information System

ER Diagram of Barangay Information System shows the system entity relationships in each entity and their supposed functions in each relationship.

BARANGAY INFORMATION SYSTEM



ENTITY RELATIONSHIP DIAGRAM

Barangay Information System ER Diagram

Based on the image above, the ER diagram for *this System* is the entity of the **Barangay Information system database**, which is presented by **tables**; health certification, health records, Resident's Information, barangay certification, barangay information, and barangay certification.

The tables are made to meet the required specification of the system and provide much more specific details of each entity within the system.

Barangay Information System ER Diagram Tables

These tables below provide the complete database table details such as **Field Name, Descriptions, data types, and character lengths.**

Table Name: Resident's Information

Field	Description	Type	Length
info_ID (PK)	Information ID	Int	11
name	Residents' Name	Varchar	255
age	Residents' Age	Int	11
gender	Residents' Gender	Varchar	255
birthdate	Residents' Birthdate	Date	
contact_address	Residents' Contact Address	Int	11
status	Residents' Status	Varchar	255

Table Name: Barangay Information

Field	Description	Type	barangay
barangay_ID (PK)	Barangay ID	Int	11
barangay_name	Barangay Name	Varchar	255
city/municipality	City/Municipality	Varchar	255
province	Province	Varchar	255

Table Name: Barangay Transaction

Field	Description	Type	Length
trans_ID (PK)	Transaction ID	Int	11
trans_name	Transaction Name	Varchar	30
info_ID (FK)	Last Name	Varchar	30
barangay_ID (FK)	Address	Text	

Table Name: Barangay Certification

Field	Description	Type	Length
bar_cert_ID (PK)	Barangay Certification ID	Int	11
info_ID (FK)	Information ID	Int	11
date	Date of Certification	Date	

Table Name: Health Certification

Field	Description	Type	Length
health_cert_ID (PK)	Health Certification ID	Int	11
info_ID (FK)	Information ID	Int	11
health_rec_ID	Health Record ID	Int	11

date	Information ID	Time	
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Table Name: Health Records

Field	Description	Type	Length
health_rec_ID (PK)	Health Record ID	Int	11
info_ID (FK)	Information ID	Int	11
health_status	Health Status	Varchar	255
health_complain	Health Complain	Varchar	255
medicine_claim	Transaction Date	Varchar	255

The tables given will be the basis for developers on how would they create the **barangay information system database design**. It has the complete description of the database and they will put this into the program or data storage the same as the names given to each of the tables. They will create a database with the attributes given as well as the value of each attribute.