The Corona system

The system consists of:

1. Front-end web application: provides a user interface that allows members to interact with the system. The web application communicates with the back-end by API.

2. Back-end API: provides APIs that enable the web application to communicate with the services and access the database. The back-end API is responsible for handling requests from the web application, interacting with the database, and returning responses to the web application.

3. Database: stores all the data related to the system. The database is designed to store information about members, their vaccine details, and their illness details.

The system includes the following APIs:

1. Member API: This API provides operations to create and read member information. It includes endpoints to get a list of all members, get a specific member by ID and creating a new member.

2. VaccineDetails API: This API provides operations to create and read vaccine details of members. It includes endpoints to get a list of all vaccine details for a member, get all vaccines details of a specific member by ID and create a new vaccine detail for a member.

3. IllnessDetails API: This API provides operations to create and read illness details for members. It includes endpoints to get a list of all illness details for a member, get all illness details of a specific member by ID, and create a new illness detail for a member.

The database includes the following tables:

1. Member: This table stores information about members, including their ID, first name, last name, birthdate, city, street, number, phone, and mobilephone.

2. VaccineDetails: This table stores information about vaccine details for members, including the member ID, the date the vaccine was taken, and the name of the vaccine producer.

3. IllnessDetails: This table stores information about illness details for members, including the member ID, the date the illness was diagnosed, and the date of recovery.

The following diagram provides a schematic view of the database:

