

Diseases
























Data Dictionary

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Legend

-  Primary key
-  Primary key disabled
-  User-defined primary key
-  Unique key
-  Unique key disabled
-  User-defined unique key
-  Active trigger
-  Disabled trigger
-  Many to one relation
-  User-defined many to one relation
-  One to many relation
-  User-defined one to many relation
-  Many to many relation
-  User-defined many to many relation
-  One to one relation
-  User-defined one to one relation
-  Input
-  Output
-  Input/Output
-  Uses dependency
-  User-defined uses dependency
-  Used by dependency
-  User-defined used by dependency

Diseases

1. New module



1.1. Tables

1.1.1. Entity: Disease

Columns

		Name	Data type	Description / Attributes
		DiseaseID	int	the unique ID of each disease
		Disease_name	varchar(50)	the name of the disease
		Intensity_Level_Qty	int	The amount of the Intensity level of the disease in a scale 1-5.
		Disease_Type_Code	int	the unique code of each type of disease References: Disease Type
		Source ID	int	the unique ID of the source

Links to

	Table	Join	Title / Name / Description
	Disease Type	Disease Disease_Type_Code = Disease TypeDisease_Type_Code	fk_Disease_Type_Disease

Linked from




	Table	Join	Title / Name / Description
	Disease_Symptoms	Disease DiseaseID = Disease_SymptomsDisease_ID	fk_Disease_Disease_Symptoms
	Diseased Patient	Disease DiseaseID = Diseased PatientDisease ID, Disease Source ID = Diseased PatientPerson ID	fk_Disease_Diseased_Patient
	Indication	Disease DiseaseID = IndicationDisease_ID	fk_Disease_Indication

Unique keys


		Name / Description
	DiseaseID	pk_Disease_DiseaseID

1.1.2. Entity: Disease Type

Columns

		Name	Data type	Description / Attributes
		Disease_Type_Code	int	The unique code of each type of disease
		Disease_Type_Description	varchar(150)	The description of each disease type

Linked from






	Table	Join	Title / Name / Description
	Disease	Disease Type Disease_Type_Code = DiseaseDisease_Type_Code	fk_Disease_Type_Disease

Unique keys



		Name / Description
	Disease_Type_Code	pk_Disease Type_Disease_Type_Code

1.1.3. Entity: Disease_Symptoms



Columns

		Name	Data type	Description / Attributes
		Disease_ID	int	the unique ID of each disease References: Disease
		Symptom ID	int	the unique ID of the symptom References: Symptoms
		Intensity_value	int	the value of the intensity of the disease

Links to










	Table	Join	Title / Name / Description
	Disease	Disease_Symptoms Disease_ID = DiseaseDiseaseID	fk_Disease_Disease_Symptoms
	Symptoms	Disease_Symptoms Symptom ID = SymptomsSymptom ID	fk_Symptoms_Disease_Symptoms

Unique keys



		Name / Description
	Disease_ID	pk_Disease_Symptoms_Disease_ID
	Symptom ID	pk_Disease_Symptoms_Symptom ID

1.1.4. Entity: Diseased Patient



Columns

		Name	Data type	Description / Attributes
		Person ID	int	Unique ID of the Patient References: Disease, Person
		Disease ID	int()	the unique ID of each disease References: Disease
		Severity Value	int()	how risky of this disease of this patient
		start date	timestamp	when the patient has/had the disease
		end date	timestamp	when the patient recovers
		days_diseased_number	int	how many days the patient has been affect by the disease
		recovered_indicator	boolean	how the patient has been recovered or treated

Links to







	Table	Join	Title / Name / Description
	Disease	Diseased Patient Disease ID = DiseaseDiseaseID, Diseased Patient Person ID = DiseaseSource ID	fk_Disease_Diseased_Patient
	Person	Diseased Patient Person ID = PersonPerson ID	fk_Person_Diseased_Patient

Unique keys

		Name / Description
	Disease ID	pk_Diseased Patient_Disease ID
	Person ID	pk_Diseased Patient_Person ID

1.1.5. Entity: Indication


Columns

		Name	Data type	Description / Attributes
		Medicine_ID	int	the unique ID of the medicine
		Disease_ID	int	the unique ID of each disease References: Disease, Medicine
		Indication_Date	timestamp	the date when the patient has been indicated
		Effectiveness_Percent	int	the percentage of how the treatment Effectiveness

Links to






	Table	Join	Title / Name / Description
	Disease	Indication Disease_ID = DiseaseDiseaseID	fk_Disease_Indication
	Medicine	Indication Disease_ID = Medicinemedicine_ID	fk_Medicine_Indication

Unique keys

		Name / Description
	Medicine_ID, Disease_ID	pk_Indication_Medicine_ID_Disease_ID

1.1.6. Table: Location

Columns

		Name	Data type	Description / Attributes
		Location ID	int	the ID of the patient's location
		City Name	varchar(50)	the name of the city where the patent from
		State Name	varchar(50)	the name of the state where the patent from
		Country Name	varchar(50)	name of the Country where the patent from

Linked from







	Table	Join	Title / Name / Description
	Person	Location Location ID = PersonPrimary Location ID	fk_Location_Person

Unique keys



		Name / Description
	Location ID	pk_Location_Location ID

1.1.7. Entity: Medicine

Columns

		Name	Data type	Description / Attributes
		medicine_ID	int	the unique ID of each medicine
		standard_industry_name	varchar(50)	the name of each standard industry
		med_name	varchar(50)	the name of the medicine
		company_name	varchar(50)	the name of the medical firm
		active_ingredient_name	varchar(50)	the name of the active ingredient of the medicine

Linked from




	Table	Join	Title / Name / Description
	Indication	Medicine medicine_ID = IndicationDisease_ID	fk_Medicine_Indication
	Secondary Effects	Medicine medicine_ID = Secondary EffectsMedicine ID	fk_Medicine_Secondary_Effects




Unique keys

		Name / Description
	medicine_ID	pk_Medicine_medicine_ID


1.1.8. Entity: Person

Columns

		Name	Data type	Description / Attributes
		Person ID	int	Unique ID of the Patient
		First Name	varchar(50)	first name of the patient

	Name	Data type	Description / Attributes
	Last Name	varchar(50)	the last name of the patient
	Gender	varchar(2)	the gender of the patient
	Primary Location ID	int	the ID of the patient location References: Location

Links to

	Table	Join	Title / Name / Description
	Location	Person Primary Location ID = LocationLocation ID	fk_Location_Person

Linked from






	Table	Join	Title / Name / Description
	Diseased Patient	Person Person ID = Diseased PatientPerson ID	fk_Person_Diseased_Patient

Unique keys



	Name / Description
	Person ID pk_Person_Person ID

1.1.9. Entity: Secondary Effects


Columns

	Name	Data type	Description / Attributes
 	Medicine ID	int	the unique ID of each medicine References: Medicine
 	Symptom ID	int	the unique ID of the symptom References: Symptoms
	Contraindication Details	varchar(150)	the details of the contraindication of the treatment

Links to




	Table	Join	Title / Name / Description
	Medicine	Secondary Effects Medicine ID = Medicinemedicine_ID	fk_Medicine_Secondary_Effects
	Symptoms	Secondary Effects Symptom ID = SymptomsSymptom ID	fk_Symptoms_Secondary_Effects

Unique keys



	Name / Description
	Medicine ID, Symptom ID pk_Secondary Effects_Medicine ID_Symptom ID

1.1.10. Entity: Symptoms

Columns

	Name	Data type	Description / Attributes
 	Symptom ID	int	the unique ID of the symptom
	Symptom Name	varchar(50)	the name of the symptom

Linked from





	Table	Join	Title / Name / Description
	Disease_Symptoms	Symptoms Symptom ID = Disease_SymptomsSymptom ID	fk_Symptoms_Disease_Symptoms
	Secondary Effects	Symptoms Symptom ID = Secondary EffectsSymptom ID	fk_Symptoms_Secondary_Effects

Unique keys

		Name / Description
	Symptom ID	pk_Symptoms_Symptom ID

1.1.11. Table: Treatment

Columns

		Name	Data type	Description / Attributes
		Treatment Type ID		
		Effectiveness Percent		
		Disease ID		
		Treatment Type Name		