



Main Layout

Table Address

* Pk	address_id	integer	Key of Address
	city_name	varchar(100)	Name of the city
	state_name	varchar(100)	Name of the State
	country_name	varchar(100)	Name of the country

Indexes

Pk	address_pkey	address_id
----	--------------	------------

Table diagnosis

* Pk	diagnos_id	integer	Key of the Diagnosis
	issue_date	date	The issue date of the Diagnosis
	treatment	varchar(30)	The Treatment of the Diagnosis
	nurse_id	integer	The head Nurse assigned for the Diagnosis
*	doc_id	integer	The Doctor who give the Diagnosis

Indexes

Pk	diagnosis_pkey	diagnos_id
----	----------------	------------

Foreign Keys

	diagnosis_doc_id_fkey ( doc_id ) ref doctor ( doc_id )
	diagnosis_nurse_id_fkey ( nurse_id ) ref nurse ( nurse_id )

Table diagnosismedicine

* Pk	diagnos_id	integer	The ID of the Diagnosis
* Pk	med_id	integer	The ID of the Medicine
	med_qty	integer	the quantity of the Medicine

Indexes

Pk	diagnosismedicine_pkey	diagnos_id, med_id
----	------------------------	--------------------

Foreign Keys

	diagnosismedicine_diagnos_id_fkey ( diagnos_id ) ref diagnosis ( diagnos_id )
	diagnosismedicine_med_id_fkey ( med_id ) ref medicine ( med_id )

Table disease

* Pk	disease_id	integer	Key of the Disease
	disease_name	varchar(200)	The Name of the Disease
	disease_type	varchar(200)	The type of the disease

Indexes

Pk	disease_pkey	disease_id
----	--------------	------------

Table doctor

* Pk	doc_id	integer	Key of Doctor
	doc_name	varchar(30)	Name of Doctor
	gender	char(1)	The Gender of Doctor
	qualification	varchar(30)	The Qualification of the Doctor
	department	varchar(30)	The Department of Doctor in
	hosp_id	integer	The ID of hospital that the Doctor is in

Indexes

Pk	doctor_pkey	doc_id
----	-------------	--------

Foreign Keys

### Table doctor

doctor\_hosp\_id\_fkey ( hosp\_id ) ref hospital ( hosp\_id )

### Table hospital

* Pk	hosp_id	integer	Key of Hospital
	hosp_name	varchar(100)	Name of Hospital
*	address_id	integer	

#### Indexes

Pk	hospital_pkey	hosp_id
----	---------------	---------

#### Foreign Keys

hospital\_address\_id\_fkey ( address\_id ) ref Address ( address\_id )

### Table medicine

* Pk	med_id	integer	The key of Medicine
*	med_name	varchar(20)	The Name of the Medicine
	price	double precision	The Price of the Medicine
	company	varchar(30)	The Company that produce the Medicine
	active_ingredient	varchar(30)	The active ingredient of the Medicine
	standard_industry_number	varchar(25)	The standard industry number of the Medicine

#### Indexes

Pk	medicine_pkey	med_id
----	---------------	--------

### Table nurse

* Pk	nurse_id	integer	Key of the Nurse
	nurse_name	varchar(30)	Name of the Nurse
	gender	char(1)	Gender of the Nurse
	hosp_id	integer	The hospital ID that the Nurse is in

#### Indexes

Pk	nurse_pkey	nurse_id
----	------------	----------

#### Foreign Keys

nurse\_hosp\_id\_fkey ( hosp\_id ) ref hospital ( hosp\_id )

### Table patient

* Pk	ssn	integer	The key of Patient
	disease_id	integer	The ID of the Disease the Patient have
	first_name	varchar(100)	First Name of the Patient
	last_name	varchar(100)	Last Name of the Patient
	age	integer	Age of the Patient
	gender	char(1)	Gender of the Patient
	race	varchar(20)	Race of the Patient
	diagnos_id	integer	Diagnosis ID of the Patient
	severity_lv	integer	Disease severity of the Patient
	address_id	integer	The home address of Patient
	hosp_id	integer	The Hospital ID of the Patient

#### Indexes

Pk	patient_pkey	ssn
----	--------------	-----

#### Foreign Keys

patient\_address\_id\_fkey ( address\_id ) ref Address ( address\_id )

patient\_diagnos\_id\_fkey ( diagnos\_id ) ref diagnosis ( diagnos\_id )

Table patient

patient_disease_id_fkey ( disease_id ) ref disease ( disease_id )
patient_hosp_id_fkey ( hosp_id ) ref hospital ( hosp_id )

Triggers

delete_patient_trigger
------------------------