1. Create Database Reservasi Hotel

CREATE DATABASE reservasi\_hotel

WITH

OWNER = postgres

ENCODING = 'UTF8'

CONNECTION LIMIT = -1

IS\_TEMPLATE = False;

1. Table guest

CREATE TABLE public.guest

(

guest\_id character varying(10) NOT NULL,

firstname character varying(15) NOT NULL,

lastname character varying(15),

address character varying(50) NOT NULL,

gender character(9) NOT NULL,

phonenumber character varying(13) NOT NULL,

email character varying(50) NOT NULL,

PRIMARY KEY (guest\_id)

);

ALTER TABLE IF EXISTS public.guest

OWNER to postgres;

1. Reservation agent

CREATE TABLE public.reservation\_agent

(

reservationagent\_id character varying(10) NOT NULL,

firstname character varying(15) NOT NULL,

lastname character varying(15),

address character varying(50) NOT NULL,

gender character(9) NOT NULL,

phonenumber character varying(13) NOT NULL,

email character varying(50) NOT NULL,

PRIMARY KEY (reservationagent\_id)

);

ALTER TABLE IF EXISTS public.reservation\_agent

OWNER to postgres;

1. Table hotels

CREATE TABLE public.hotels

(

hotel\_id character varying(10) NOT NULL,

hotelname character varying(100) NOT NULL,

address character varying(50) NOT NULL,

price integer NOT NULL,

PRIMARY KEY (hotel\_id)

);

ALTER TABLE IF EXISTS public.hotels

OWNER to postgres;

1. Table rooms

CREATE TABLE public.rooms

(

room\_id character varying(10) NOT NULL,

hotel\_id character varying(10) NOT NULL,

type character varying(50) NOT NULL,

number integer NOT NULL,

floor character varying(10) NOT NULL,

status character varying(10),

PRIMARY KEY (room\_id),

CONSTRAINT hotel\_id\_fkey FOREIGN KEY (hotel\_id)

REFERENCES public.hotels (hotel\_id) MATCH SIMPLE

ON UPDATE NO ACTION

ON DELETE NO ACTION

NOT VALID

);

1. Table booking status

CREATE TABLE public.booking\_status

(

bookingstatus\_id character varying(10) NOT NULL,

status character varying(50) NOT NULL,

description character varying(100) NOT NULL,

PRIMARY KEY (bookingstatus\_id)

);

ALTER TABLE IF EXISTS public.booking\_status

OWNER to postgres;

1. Table Bookings

CREATE TABLE public.bookings

(

booking\_id character varying(10) NOT NULL,

reservationagent\_id character varying(10) NOT NULL,

guest\_id character varying(10) NOT NULL,

hotel\_id character varying(10) NOT NULL,

bookingstatus\_id character varying(10) NOT NULL,

startdate date NOT NULL,

enddate date NOT NULL,

roomcount integer NOT NULL,

PRIMARY KEY (booking\_id),

CONSTRAINT reservationagent\_id\_fkey FOREIGN KEY (reservationagent\_id)

REFERENCES public.reservation\_agent (reservationagent\_id) MATCH SIMPLE

ON UPDATE NO ACTION

ON DELETE NO ACTION

NOT VALID,

CONSTRAINT guest\_id\_fkey FOREIGN KEY (guest\_id)

REFERENCES public.guest (guest\_id) MATCH SIMPLE

ON UPDATE NO ACTION

ON DELETE NO ACTION

NOT VALID,

CONSTRAINT hotel\_id\_fkey FOREIGN KEY (hotel\_id)

REFERENCES public.hotels (hotel\_id) MATCH SIMPLE

ON UPDATE NO ACTION

ON DELETE NO ACTION

NOT VALID,

CONSTRAINT bookingstatus\_id\_fkey FOREIGN KEY (bookingstatus\_id)

REFERENCES public.booking\_status (bookingstatus\_id) MATCH SIMPLE

ON UPDATE NO ACTION

ON DELETE NO ACTION

NOT VALID

);

1. Table Room booked

CREATE TABLE public.room\_booked

(

roombooked\_id character varying(10) NOT NULL,

room\_id character varying(10) NOT NULL,

booking\_id character varying(10) NOT NULL,

rate character varying(10) NOT NULL,

PRIMARY KEY (roombooked\_id),

CONSTRAINT room\_id FOREIGN KEY (room\_id)

REFERENCES public.rooms (room\_id) MATCH SIMPLE

ON UPDATE NO ACTION

ON DELETE NO ACTION

NOT VALID,

CONSTRAINT booking\_id FOREIGN KEY (booking\_id)

REFERENCES public.bookings (booking\_id) MATCH SIMPLE

ON UPDATE NO ACTION

ON DELETE NO ACTION

NOT VALID

);

ALTER TABLE IF EXISTS public.room\_booked

OWNER to postgres;