SAKARYA ÜNİVERSİTESİ

VERİTABANI YÖNETİM SİSTEMLERİ

Öğrenci Numarası: b171210301

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Ders Grubu: 1\a

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1. Uygulama Hakkında
   1. Özet

Uygulama, bir kütüphanenin işleyişini kolaylaştırarak bir yazılım planlanmaktadır. Bu işlemler  
Kitap Alma / Kitap İade  
Üye Kayıt  
Kütüphane Görevlilerinin Yetkilendirilmesi  
Dergi Ve Ansiklopedilerin Takibi  
gibi işlemlerdir.

* 1. İş Kuralları  
     - Bir kitabın en az bir yazarı olmalıdır.  
     - Bir kitabın birden fazla yazarı olabilir.  
     - Bir kitap en fazla bir kişiye verilebilir.  
     - Dergiler dışarıya verilemez. Sadece kütüphanede okunabilir.  
     - Dergilerin yazarı olamaz.  
     - Ansiklopediler dışarıya verilemez. Kütüphanede kullanılabilir.  
     - Bir üye en fazla 1 kitap alabilir.  
     - Bir üye kitabı geç teslim ederse cezalı listesine eklenir.  
     - Her yayının bir basım/yayın evi olmalıdır.  
     - her yöneticinin bir rolü bulunmalıdır.
  2. İlişkisel Şema  
     tbperson(id:integer;name:string,surname:string)  
     tbmember(id:integer;personId:integer,RegisterDate:date,isActive:bit)  
     tbmanager(id:integer,personId:integer,roleId:integer,userName:string,pass:string)  
     tbwriter(id:integer,personId:integer,biography:string)  
     tbaction(id:integer,personId:integer,publicationId:integer,actionTime:date,actionFinalTime:date)  
     tbpenalty(id:integer,personıd:integer,actionıd:integer,penaltyTime:date,penaltyEndTime:date)  
     ---------------------------------------------------------------  
     tbpublishhome(id:integer,name:string)  
     tbpublication(id:integer,publishhomeid:integer,publicationTypeId:integer,registerNumber:string,name:String,classificationNumber:string,pageCount:int,isbn:string)  
     tbbook(id:integer:publicationId:integer,coverText:string)  
     tbmagazine(id:integer,publicationid:integer,period:integer,number:integer,publishdate:date)  
     tbencyclopedia(id:integer,publicationid:integer)  
     tbpublicationtype(id:integer,name:string)

1. Varlık Bağıntı Modeli

3. SQL Script  
--

-- PostgreSQL database dump

--

-- Dumped from database version 10.10

-- Dumped by pg\_dump version 10.10

-- Started on 2021-12-20 23:31:56

SET statement\_timeout = 0;

SET lock\_timeout = 0;

SET idle\_in\_transaction\_session\_timeout = 0;

SET client\_encoding = 'UTF8';

SET standard\_conforming\_strings = on;

SELECT pg\_catalog.set\_config('search\_path', '', false);

SET check\_function\_bodies = false;

SET xmloption = content;

SET client\_min\_messages = warning;

SET row\_security = off;

--

-- TOC entry 1 (class 3079 OID 12924)

-- Name: plpgsql; Type: EXTENSION; Schema: -; Owner:

--

CREATE EXTENSION IF NOT EXISTS plpgsql WITH SCHEMA pg\_catalog;

--

-- TOC entry 2998 (class 0 OID 0)

-- Dependencies: 1

-- Name: EXTENSION plpgsql; Type: COMMENT; Schema: -; Owner:

--

COMMENT ON EXTENSION plpgsql IS 'PL/pgSQL procedural language';

--

-- TOC entry 228 (class 1255 OID 24810)

-- Name: add\_bookcount(); Type: FUNCTION; Schema: public; Owner: postgres

--

CREATE FUNCTION public.add\_bookcount() RETURNS trigger

LANGUAGE plpgsql

AS $$

begin

update tbsettings set BookCount=BookCount-1;

return new;

end;

$$;

ALTER FUNCTION public.add\_bookcount() OWNER TO postgres;

--

-- TOC entry 226 (class 1255 OID 24811)

-- Name: add\_magazinecount(); Type: FUNCTION; Schema: public; Owner: postgres

--

CREATE FUNCTION public.add\_magazinecount() RETURNS trigger

LANGUAGE plpgsql

AS $$

begin

update tbsettings set MagazineCount=MagazineCount+1;

return new;

end;

$$;

ALTER FUNCTION public.add\_magazinecount() OWNER TO postgres;

--

-- TOC entry 227 (class 1255 OID 24812)

-- Name: add\_publicationcount(); Type: FUNCTION; Schema: public; Owner: postgres

--

CREATE FUNCTION public.add\_publicationcount() RETURNS trigger

LANGUAGE plpgsql

AS $$

begin

update tbsettings set publicationcount=publicationcount+1;

return new;

end;

$$;

ALTER FUNCTION public.add\_publicationcount() OWNER TO postgres;

--

-- TOC entry 245 (class 1255 OID 24832)

-- Name: add\_writercount(); Type: FUNCTION; Schema: public; Owner: postgres

--

CREATE FUNCTION public.add\_writercount() RETURNS trigger

LANGUAGE plpgsql

AS $$

begin

update tbsettings set writercount=writercount+1 where id=0;

return new;

end;

$$;

ALTER FUNCTION public.add\_writercount() OWNER TO postgres;

--

-- TOC entry 231 (class 1255 OID 24813)

-- Name: sub\_bookcount(); Type: FUNCTION; Schema: public; Owner: postgres

--

CREATE FUNCTION public.sub\_bookcount() RETURNS trigger

LANGUAGE plpgsql

AS $$

begin

update tbsettings set BookCount=BookCount-1;

return new;

end;

$$;

ALTER FUNCTION public.sub\_bookcount() OWNER TO postgres;

--

-- TOC entry 229 (class 1255 OID 24814)

-- Name: sub\_magazinecount(); Type: FUNCTION; Schema: public; Owner: postgres

--

CREATE FUNCTION public.sub\_magazinecount() RETURNS trigger

LANGUAGE plpgsql

AS $$

begin

update tbsettings set MagazineCount=MagazineCount-1;

return new;

end;

$$;

ALTER FUNCTION public.sub\_magazinecount() OWNER TO postgres;

--

-- TOC entry 230 (class 1255 OID 24815)

-- Name: sub\_publicationcount(); Type: FUNCTION; Schema: public; Owner: postgres

--

CREATE FUNCTION public.sub\_publicationcount() RETURNS trigger

LANGUAGE plpgsql

AS $$

begin

update tbsettings set publicationcount=publicationcount-1;

return new;

end;

$$;

ALTER FUNCTION public.sub\_publicationcount() OWNER TO postgres;

--

-- TOC entry 244 (class 1255 OID 24833)

-- Name: sub\_writercount(); Type: FUNCTION; Schema: public; Owner: postgres

--

CREATE FUNCTION public.sub\_writercount() RETURNS trigger

LANGUAGE plpgsql

AS $$

begin

update tbsettings set writercount=writercount-1;

return new;

end;

$$;

ALTER FUNCTION public.sub\_writercount() OWNER TO postgres;

SET default\_tablespace = '';

SET default\_with\_oids = false;

--

-- TOC entry 196 (class 1259 OID 24577)

-- Name: \_\_EFMigrationsHistory; Type: TABLE; Schema: public; Owner: postgres

--

CREATE TABLE public."\_\_EFMigrationsHistory" (

"MigrationId" character varying(150) NOT NULL,

"ProductVersion" character varying(32) NOT NULL

);

ALTER TABLE public."\_\_EFMigrationsHistory" OWNER TO postgres;

--

-- TOC entry 215 (class 1259 OID 24675)

-- Name: tbaction; Type: TABLE; Schema: public; Owner: postgres

--

CREATE TABLE public.tbaction (

id integer NOT NULL,

"personId" integer NOT NULL,

"publicationId" integer NOT NULL,

"actionEndTime" timestamp without time zone,

"actionFinalTime" timestamp without time zone DEFAULT '0001-01-01 00:00:00'::timestamp without time zone NOT NULL,

"actionTime" timestamp without time zone DEFAULT '0001-01-01 00:00:00'::timestamp without time zone NOT NULL

);

ALTER TABLE public.tbaction OWNER TO postgres;

--

-- TOC entry 214 (class 1259 OID 24673)

-- Name: tbaction\_id\_seq; Type: SEQUENCE; Schema: public; Owner: postgres

--

ALTER TABLE public.tbaction ALTER COLUMN id ADD GENERATED BY DEFAULT AS IDENTITY (

SEQUENCE NAME public.tbaction\_id\_seq

START WITH 1

INCREMENT BY 1

NO MINVALUE

NO MAXVALUE

CACHE 1

);

--

-- TOC entry 217 (class 1259 OID 24692)

-- Name: tbbook; Type: TABLE; Schema: public; Owner: postgres

--

CREATE TABLE public.tbbook (

id integer NOT NULL,

"publicationId" integer NOT NULL,

"coverText" character varying(50) NOT NULL

);

ALTER TABLE public.tbbook OWNER TO postgres;

--

-- TOC entry 216 (class 1259 OID 24690)

-- Name: tbbook\_id\_seq; Type: SEQUENCE; Schema: public; Owner: postgres

--

ALTER TABLE public.tbbook ALTER COLUMN id ADD GENERATED BY DEFAULT AS IDENTITY (

SEQUENCE NAME public.tbbook\_id\_seq

START WITH 1

INCREMENT BY 1

NO MINVALUE

NO MAXVALUE

CACHE 1

);

--

-- TOC entry 223 (class 1259 OID 24733)

-- Name: tbbookwriter; Type: TABLE; Schema: public; Owner: postgres

--

CREATE TABLE public.tbbookwriter (

id integer NOT NULL,

"bookId" integer NOT NULL,

"writerId" integer NOT NULL

);

ALTER TABLE public.tbbookwriter OWNER TO postgres;

--

-- TOC entry 222 (class 1259 OID 24731)

-- Name: tbbookwriter\_id\_seq; Type: SEQUENCE; Schema: public; Owner: postgres

--

ALTER TABLE public.tbbookwriter ALTER COLUMN id ADD GENERATED BY DEFAULT AS IDENTITY (

SEQUENCE NAME public.tbbookwriter\_id\_seq

START WITH 1

INCREMENT BY 1

NO MINVALUE

NO MAXVALUE

CACHE 1

);

--

-- TOC entry 225 (class 1259 OID 24788)

-- Name: tbencyclopedia; Type: TABLE; Schema: public; Owner: postgres

--

CREATE TABLE public.tbencyclopedia (

id integer NOT NULL,

"publicationId" integer NOT NULL

);

ALTER TABLE public.tbencyclopedia OWNER TO postgres;

--

-- TOC entry 224 (class 1259 OID 24786)

-- Name: tbencyclopedia\_id\_seq; Type: SEQUENCE; Schema: public; Owner: postgres

--

ALTER TABLE public.tbencyclopedia ALTER COLUMN id ADD GENERATED BY DEFAULT AS IDENTITY (

SEQUENCE NAME public.tbencyclopedia\_id\_seq

START WITH 1

INCREMENT BY 1

NO MINVALUE

NO MAXVALUE

CACHE 1

);

--

-- TOC entry 219 (class 1259 OID 24704)

-- Name: tbmagazine; Type: TABLE; Schema: public; Owner: postgres

--

CREATE TABLE public.tbmagazine (

id integer NOT NULL,

"publicationId" integer NOT NULL,

period integer NOT NULL,

number integer NOT NULL,

"publishDate" timestamp without time zone NOT NULL

);

ALTER TABLE public.tbmagazine OWNER TO postgres;

--

-- TOC entry 218 (class 1259 OID 24702)

-- Name: tbmagazine\_id\_seq; Type: SEQUENCE; Schema: public; Owner: postgres

--

ALTER TABLE public.tbmagazine ALTER COLUMN id ADD GENERATED BY DEFAULT AS IDENTITY (

SEQUENCE NAME public.tbmagazine\_id\_seq

START WITH 1

INCREMENT BY 1

NO MINVALUE

NO MAXVALUE

CACHE 1

);

--

-- TOC entry 213 (class 1259 OID 24658)

-- Name: tbmanager; Type: TABLE; Schema: public; Owner: postgres

--

CREATE TABLE public.tbmanager (

id integer NOT NULL,

"personId" integer NOT NULL,

"roleId" integer NOT NULL,

"userName" character varying(20) NOT NULL,

pass character varying(30) NOT NULL

);

ALTER TABLE public.tbmanager OWNER TO postgres;

--

-- TOC entry 212 (class 1259 OID 24656)

-- Name: tbmanager\_id\_seq; Type: SEQUENCE; Schema: public; Owner: postgres

--

ALTER TABLE public.tbmanager ALTER COLUMN id ADD GENERATED BY DEFAULT AS IDENTITY (

SEQUENCE NAME public.tbmanager\_id\_seq

START WITH 1

INCREMENT BY 1

NO MINVALUE

NO MAXVALUE

CACHE 1

);

--

-- TOC entry 207 (class 1259 OID 24617)

-- Name: tbmember; Type: TABLE; Schema: public; Owner: postgres

--

CREATE TABLE public.tbmember (

id integer NOT NULL,

"personId" integer NOT NULL,

"registerDate" timestamp without time zone NOT NULL,

"isActive" boolean NOT NULL

);

ALTER TABLE public.tbmember OWNER TO postgres;

--

-- TOC entry 206 (class 1259 OID 24615)

-- Name: tbmember\_id\_seq; Type: SEQUENCE; Schema: public; Owner: postgres

--

ALTER TABLE public.tbmember ALTER COLUMN id ADD GENERATED BY DEFAULT AS IDENTITY (

SEQUENCE NAME public.tbmember\_id\_seq

START WITH 1

INCREMENT BY 1

NO MINVALUE

NO MAXVALUE

CACHE 1

);

--

-- TOC entry 221 (class 1259 OID 24716)

-- Name: tbpenalty; Type: TABLE; Schema: public; Owner: postgres

--

CREATE TABLE public.tbpenalty (

id integer NOT NULL,

"personId" integer NOT NULL,

"actionId" integer NOT NULL,

"penaltyTime" timestamp without time zone NOT NULL,

"penaltyEndTime" timestamp without time zone NOT NULL

);

ALTER TABLE public.tbpenalty OWNER TO postgres;

--

-- TOC entry 220 (class 1259 OID 24714)

-- Name: tbpenalty\_id\_seq; Type: SEQUENCE; Schema: public; Owner: postgres

--

ALTER TABLE public.tbpenalty ALTER COLUMN id ADD GENERATED BY DEFAULT AS IDENTITY (

SEQUENCE NAME public.tbpenalty\_id\_seq

START WITH 1

INCREMENT BY 1

NO MINVALUE

NO MAXVALUE

CACHE 1

);

--

-- TOC entry 198 (class 1259 OID 24584)

-- Name: tbperson; Type: TABLE; Schema: public; Owner: postgres

--

CREATE TABLE public.tbperson (

id integer NOT NULL,

name character varying(50) NOT NULL,

surname character varying(50) NOT NULL

);

ALTER TABLE public.tbperson OWNER TO postgres;

--

-- TOC entry 197 (class 1259 OID 24582)

-- Name: tbperson\_id\_seq; Type: SEQUENCE; Schema: public; Owner: postgres

--

ALTER TABLE public.tbperson ALTER COLUMN id ADD GENERATED BY DEFAULT AS IDENTITY (

SEQUENCE NAME public.tbperson\_id\_seq

START WITH 1

INCREMENT BY 1

NO MINVALUE

NO MAXVALUE

CACHE 1

);

--

-- TOC entry 211 (class 1259 OID 24641)

-- Name: tbpublication; Type: TABLE; Schema: public; Owner: postgres

--

CREATE TABLE public.tbpublication (

id integer NOT NULL,

"publishHomeId" integer NOT NULL,

"publicationTypeId" integer NOT NULL,

name character varying(50) NOT NULL,

"registerNumber" character varying(25) NOT NULL,

"classifcationNumber" character varying(50) NOT NULL,

"pageCount" integer NOT NULL,

"ISBN" character varying(40)

);

ALTER TABLE public.tbpublication OWNER TO postgres;

--

-- TOC entry 210 (class 1259 OID 24639)

-- Name: tbpublication\_id\_seq; Type: SEQUENCE; Schema: public; Owner: postgres

--

ALTER TABLE public.tbpublication ALTER COLUMN id ADD GENERATED BY DEFAULT AS IDENTITY (

SEQUENCE NAME public.tbpublication\_id\_seq

START WITH 1

INCREMENT BY 1

NO MINVALUE

NO MAXVALUE

CACHE 1

);

--

-- TOC entry 200 (class 1259 OID 24591)

-- Name: tbpublicationtype; Type: TABLE; Schema: public; Owner: postgres

--

CREATE TABLE public.tbpublicationtype (

id integer NOT NULL,

name character varying(50) NOT NULL

);

ALTER TABLE public.tbpublicationtype OWNER TO postgres;

--

-- TOC entry 199 (class 1259 OID 24589)

-- Name: tbpublicationtype\_id\_seq; Type: SEQUENCE; Schema: public; Owner: postgres

--

ALTER TABLE public.tbpublicationtype ALTER COLUMN id ADD GENERATED BY DEFAULT AS IDENTITY (

SEQUENCE NAME public.tbpublicationtype\_id\_seq

START WITH 1

INCREMENT BY 1

NO MINVALUE

NO MAXVALUE

CACHE 1

);

--

-- TOC entry 202 (class 1259 OID 24598)

-- Name: tbpublishhome; Type: TABLE; Schema: public; Owner: postgres

--

CREATE TABLE public.tbpublishhome (

id integer NOT NULL,

name character varying(100) NOT NULL

);

ALTER TABLE public.tbpublishhome OWNER TO postgres;

--

-- TOC entry 201 (class 1259 OID 24596)

-- Name: tbpublishhome\_id\_seq; Type: SEQUENCE; Schema: public; Owner: postgres

--

ALTER TABLE public.tbpublishhome ALTER COLUMN id ADD GENERATED BY DEFAULT AS IDENTITY (

SEQUENCE NAME public.tbpublishhome\_id\_seq

START WITH 1

INCREMENT BY 1

NO MINVALUE

NO MAXVALUE

CACHE 1

);

--

-- TOC entry 204 (class 1259 OID 24605)

-- Name: tbrole; Type: TABLE; Schema: public; Owner: postgres

--

CREATE TABLE public.tbrole (

id integer NOT NULL,

name character varying(20) NOT NULL,

add boolean,

edit boolean NOT NULL,

delete boolean NOT NULL,

"bookGive" boolean NOT NULL,

"bookReturn" boolean NOT NULL

);

ALTER TABLE public.tbrole OWNER TO postgres;

--

-- TOC entry 203 (class 1259 OID 24603)

-- Name: tbrole\_id\_seq; Type: SEQUENCE; Schema: public; Owner: postgres

--

ALTER TABLE public.tbrole ALTER COLUMN id ADD GENERATED BY DEFAULT AS IDENTITY (

SEQUENCE NAME public.tbrole\_id\_seq

START WITH 1

INCREMENT BY 1

NO MINVALUE

NO MAXVALUE

CACHE 1

);

--

-- TOC entry 205 (class 1259 OID 24610)

-- Name: tbsettings; Type: TABLE; Schema: public; Owner: postgres

--

CREATE TABLE public.tbsettings (

id integer NOT NULL,

"readDayLimit" integer NOT NULL,

"libraryName" character varying(150) NOT NULL,

publicationcount integer DEFAULT 0 NOT NULL,

writercount integer DEFAULT 0 NOT NULL,

"BookCount" integer DEFAULT 0 NOT NULL,

"MagazineCount" integer DEFAULT 0 NOT NULL

);

ALTER TABLE public.tbsettings OWNER TO postgres;

--

-- TOC entry 209 (class 1259 OID 24629)

-- Name: tbwriter; Type: TABLE; Schema: public; Owner: postgres

--

CREATE TABLE public.tbwriter (

id integer NOT NULL,

"personId" integer NOT NULL,

biography character(10)

);

ALTER TABLE public.tbwriter OWNER TO postgres;

--

-- TOC entry 208 (class 1259 OID 24627)

-- Name: tbwriter\_id\_seq; Type: SEQUENCE; Schema: public; Owner: postgres

--

ALTER TABLE public.tbwriter ALTER COLUMN id ADD GENERATED BY DEFAULT AS IDENTITY (

SEQUENCE NAME public.tbwriter\_id\_seq

START WITH 1

INCREMENT BY 1

NO MINVALUE

NO MAXVALUE

CACHE 1

);

--

-- TOC entry 2961 (class 0 OID 24577)

-- Dependencies: 196

-- Data for Name: \_\_EFMigrationsHistory; Type: TABLE DATA; Schema: public; Owner: postgres

--

COPY public."\_\_EFMigrationsHistory" ("MigrationId", "ProductVersion") FROM stdin;

20210824014051\_init 3.1.3

20210824022534\_actiontime 3.1.3

20210824151621\_count 3.1.3

20210824170946\_enc 3.1.3

20210824172924\_letter 3.1.3

20211130211243\_add\_count\_column 3.1.3

\.

--

-- TOC entry 2980 (class 0 OID 24675)

-- Dependencies: 215

-- Data for Name: tbaction; Type: TABLE DATA; Schema: public; Owner: postgres

--

COPY public.tbaction (id, "personId", "publicationId", "actionEndTime", "actionFinalTime", "actionTime") FROM stdin;

\.

--

-- TOC entry 2982 (class 0 OID 24692)

-- Dependencies: 217

-- Data for Name: tbbook; Type: TABLE DATA; Schema: public; Owner: postgres

--

COPY public.tbbook (id, "publicationId", "coverText") FROM stdin;

\.

--

-- TOC entry 2988 (class 0 OID 24733)

-- Dependencies: 223

-- Data for Name: tbbookwriter; Type: TABLE DATA; Schema: public; Owner: postgres

--

COPY public.tbbookwriter (id, "bookId", "writerId") FROM stdin;

\.

--

-- TOC entry 2990 (class 0 OID 24788)

-- Dependencies: 225

-- Data for Name: tbencyclopedia; Type: TABLE DATA; Schema: public; Owner: postgres

--

COPY public.tbencyclopedia (id, "publicationId") FROM stdin;

\.

--

-- TOC entry 2984 (class 0 OID 24704)

-- Dependencies: 219

-- Data for Name: tbmagazine; Type: TABLE DATA; Schema: public; Owner: postgres

--

COPY public.tbmagazine (id, "publicationId", period, number, "publishDate") FROM stdin;

\.

--

-- TOC entry 2978 (class 0 OID 24658)

-- Dependencies: 213

-- Data for Name: tbmanager; Type: TABLE DATA; Schema: public; Owner: postgres

--

COPY public.tbmanager (id, "personId", "roleId", "userName", pass) FROM stdin;

\.

--

-- TOC entry 2972 (class 0 OID 24617)

-- Dependencies: 207

-- Data for Name: tbmember; Type: TABLE DATA; Schema: public; Owner: postgres

--

COPY public.tbmember (id, "personId", "registerDate", "isActive") FROM stdin;

\.

--

-- TOC entry 2986 (class 0 OID 24716)

-- Dependencies: 221

-- Data for Name: tbpenalty; Type: TABLE DATA; Schema: public; Owner: postgres

--

COPY public.tbpenalty (id, "personId", "actionId", "penaltyTime", "penaltyEndTime") FROM stdin;

\.

--

-- TOC entry 2963 (class 0 OID 24584)

-- Dependencies: 198

-- Data for Name: tbperson; Type: TABLE DATA; Schema: public; Owner: postgres

--

COPY public.tbperson (id, name, surname) FROM stdin;

1 Kadir Mısııroğlu

3 bb cc

4 dd ee

6 yqavuz bülent bakiler

7 cc ddd

8 ee ff

9 ggg hhhhhh

10 kk ll

2 zz bb

12 Le Tolstoy

13 Ahmet Hamdi Tanpınar

11 mehmet akif inan

14 edip cansever

15 atila ilhan

16 cahit zarifoğlu

\.

--

-- TOC entry 2976 (class 0 OID 24641)

-- Dependencies: 211

-- Data for Name: tbpublication; Type: TABLE DATA; Schema: public; Owner: postgres

--

COPY public.tbpublication (id, "publishHomeId", "publicationTypeId", name, "registerNumber", "classifcationNumber", "pageCount", "ISBN") FROM stdin;

\.

--

-- TOC entry 2965 (class 0 OID 24591)

-- Dependencies: 200

-- Data for Name: tbpublicationtype; Type: TABLE DATA; Schema: public; Owner: postgres

--

COPY public.tbpublicationtype (id, name) FROM stdin;

\.

--

-- TOC entry 2967 (class 0 OID 24598)

-- Dependencies: 202

-- Data for Name: tbpublishhome; Type: TABLE DATA; Schema: public; Owner: postgres

--

COPY public.tbpublishhome (id, name) FROM stdin;

\.

--

-- TOC entry 2969 (class 0 OID 24605)

-- Dependencies: 204

-- Data for Name: tbrole; Type: TABLE DATA; Schema: public; Owner: postgres

--

COPY public.tbrole (id, name, add, edit, delete, "bookGive", "bookReturn") FROM stdin;

\.

--

-- TOC entry 2970 (class 0 OID 24610)

-- Dependencies: 205

-- Data for Name: tbsettings; Type: TABLE DATA; Schema: public; Owner: postgres

--

COPY public.tbsettings (id, "readDayLimit", "libraryName", publicationcount, writercount, "BookCount", "MagazineCount") FROM stdin;

0 15 Sau 0 4 0 0

\.

--

-- TOC entry 2974 (class 0 OID 24629)

-- Dependencies: 209

-- Data for Name: tbwriter; Type: TABLE DATA; Schema: public; Owner: postgres

--

COPY public.tbwriter (id, "personId", biography) FROM stdin;

13 13

14 14

15 15

16 16

\.

--

-- TOC entry 2999 (class 0 OID 0)

-- Dependencies: 214

-- Name: tbaction\_id\_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres

--

SELECT pg\_catalog.setval('public.tbaction\_id\_seq', 1, false);

--

-- TOC entry 3000 (class 0 OID 0)

-- Dependencies: 216

-- Name: tbbook\_id\_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres

--

SELECT pg\_catalog.setval('public.tbbook\_id\_seq', 1, false);

--

-- TOC entry 3001 (class 0 OID 0)

-- Dependencies: 222

-- Name: tbbookwriter\_id\_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres

--

SELECT pg\_catalog.setval('public.tbbookwriter\_id\_seq', 1, false);

--

-- TOC entry 3002 (class 0 OID 0)

-- Dependencies: 224

-- Name: tbencyclopedia\_id\_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres

--

SELECT pg\_catalog.setval('public.tbencyclopedia\_id\_seq', 1, false);

--

-- TOC entry 3003 (class 0 OID 0)

-- Dependencies: 218

-- Name: tbmagazine\_id\_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres

--

SELECT pg\_catalog.setval('public.tbmagazine\_id\_seq', 1, false);

--

-- TOC entry 3004 (class 0 OID 0)

-- Dependencies: 212

-- Name: tbmanager\_id\_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres

--

SELECT pg\_catalog.setval('public.tbmanager\_id\_seq', 1, false);

--

-- TOC entry 3005 (class 0 OID 0)

-- Dependencies: 206

-- Name: tbmember\_id\_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres

--

SELECT pg\_catalog.setval('public.tbmember\_id\_seq', 1, false);

--

-- TOC entry 3006 (class 0 OID 0)

-- Dependencies: 220

-- Name: tbpenalty\_id\_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres

--

SELECT pg\_catalog.setval('public.tbpenalty\_id\_seq', 1, false);

--

-- TOC entry 3007 (class 0 OID 0)

-- Dependencies: 197

-- Name: tbperson\_id\_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres

--

SELECT pg\_catalog.setval('public.tbperson\_id\_seq', 16, true);

--

-- TOC entry 3008 (class 0 OID 0)

-- Dependencies: 210

-- Name: tbpublication\_id\_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres

--

SELECT pg\_catalog.setval('public.tbpublication\_id\_seq', 1, false);

--

-- TOC entry 3009 (class 0 OID 0)

-- Dependencies: 199

-- Name: tbpublicationtype\_id\_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres

--

SELECT pg\_catalog.setval('public.tbpublicationtype\_id\_seq', 1, false);

--

-- TOC entry 3010 (class 0 OID 0)

-- Dependencies: 201

-- Name: tbpublishhome\_id\_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres

--

SELECT pg\_catalog.setval('public.tbpublishhome\_id\_seq', 1, false);

--

-- TOC entry 3011 (class 0 OID 0)

-- Dependencies: 203

-- Name: tbrole\_id\_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres

--

SELECT pg\_catalog.setval('public.tbrole\_id\_seq', 1, false);

--

-- TOC entry 3012 (class 0 OID 0)

-- Dependencies: 208

-- Name: tbwriter\_id\_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres

--

SELECT pg\_catalog.setval('public.tbwriter\_id\_seq', 16, true);

--

-- TOC entry 2771 (class 2606 OID 24581)

-- Name: \_\_EFMigrationsHistory PK\_\_\_EFMigrationsHistory; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public."\_\_EFMigrationsHistory"

ADD CONSTRAINT "PK\_\_\_EFMigrationsHistory" PRIMARY KEY ("MigrationId");

--

-- TOC entry 2799 (class 2606 OID 24679)

-- Name: tbaction PK\_tbaction; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbaction

ADD CONSTRAINT "PK\_tbaction" PRIMARY KEY (id);

--

-- TOC entry 2802 (class 2606 OID 24696)

-- Name: tbbook PK\_tbbook; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbbook

ADD CONSTRAINT "PK\_tbbook" PRIMARY KEY (id);

--

-- TOC entry 2813 (class 2606 OID 24737)

-- Name: tbbookwriter PK\_tbbookwriter; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbbookwriter

ADD CONSTRAINT "PK\_tbbookwriter" PRIMARY KEY (id);

--

-- TOC entry 2816 (class 2606 OID 24792)

-- Name: tbencyclopedia PK\_tbencyclopedia; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbencyclopedia

ADD CONSTRAINT "PK\_tbencyclopedia" PRIMARY KEY (id);

--

-- TOC entry 2805 (class 2606 OID 24708)

-- Name: tbmagazine PK\_tbmagazine; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbmagazine

ADD CONSTRAINT "PK\_tbmagazine" PRIMARY KEY (id);

--

-- TOC entry 2795 (class 2606 OID 24662)

-- Name: tbmanager PK\_tbmanager; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbmanager

ADD CONSTRAINT "PK\_tbmanager" PRIMARY KEY (id);

--

-- TOC entry 2784 (class 2606 OID 24621)

-- Name: tbmember PK\_tbmember; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbmember

ADD CONSTRAINT "PK\_tbmember" PRIMARY KEY (id);

--

-- TOC entry 2809 (class 2606 OID 24720)

-- Name: tbpenalty PK\_tbpenalty; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbpenalty

ADD CONSTRAINT "PK\_tbpenalty" PRIMARY KEY (id);

--

-- TOC entry 2773 (class 2606 OID 24588)

-- Name: tbperson PK\_tbperson; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbperson

ADD CONSTRAINT "PK\_tbperson" PRIMARY KEY (id);

--

-- TOC entry 2791 (class 2606 OID 24645)

-- Name: tbpublication PK\_tbpublication; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbpublication

ADD CONSTRAINT "PK\_tbpublication" PRIMARY KEY (id);

--

-- TOC entry 2775 (class 2606 OID 24595)

-- Name: tbpublicationtype PK\_tbpublicationtype; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbpublicationtype

ADD CONSTRAINT "PK\_tbpublicationtype" PRIMARY KEY (id);

--

-- TOC entry 2777 (class 2606 OID 24602)

-- Name: tbpublishhome PK\_tbpublishhome; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbpublishhome

ADD CONSTRAINT "PK\_tbpublishhome" PRIMARY KEY (id);

--

-- TOC entry 2779 (class 2606 OID 24609)

-- Name: tbrole PK\_tbrole; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbrole

ADD CONSTRAINT "PK\_tbrole" PRIMARY KEY (id);

--

-- TOC entry 2781 (class 2606 OID 24614)

-- Name: tbsettings PK\_tbsettings; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbsettings

ADD CONSTRAINT "PK\_tbsettings" PRIMARY KEY (id);

--

-- TOC entry 2787 (class 2606 OID 24633)

-- Name: tbwriter PK\_tbwriter; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbwriter

ADD CONSTRAINT "PK\_tbwriter" PRIMARY KEY (id);

--

-- TOC entry 2796 (class 1259 OID 24748)

-- Name: IX\_tbaction\_personId; Type: INDEX; Schema: public; Owner: postgres

--

CREATE INDEX "IX\_tbaction\_personId" ON public.tbaction USING btree ("personId");

--

-- TOC entry 2797 (class 1259 OID 24749)

-- Name: IX\_tbaction\_publicationId; Type: INDEX; Schema: public; Owner: postgres

--

CREATE INDEX "IX\_tbaction\_publicationId" ON public.tbaction USING btree ("publicationId");

--

-- TOC entry 2800 (class 1259 OID 24750)

-- Name: IX\_tbbook\_publicationId; Type: INDEX; Schema: public; Owner: postgres

--

CREATE INDEX "IX\_tbbook\_publicationId" ON public.tbbook USING btree ("publicationId");

--

-- TOC entry 2810 (class 1259 OID 24751)

-- Name: IX\_tbbookwriter\_bookId; Type: INDEX; Schema: public; Owner: postgres

--

CREATE INDEX "IX\_tbbookwriter\_bookId" ON public.tbbookwriter USING btree ("bookId");

--

-- TOC entry 2811 (class 1259 OID 24752)

-- Name: IX\_tbbookwriter\_writerId; Type: INDEX; Schema: public; Owner: postgres

--

CREATE INDEX "IX\_tbbookwriter\_writerId" ON public.tbbookwriter USING btree ("writerId");

--

-- TOC entry 2814 (class 1259 OID 24798)

-- Name: IX\_tbencyclopedia\_publicationId; Type: INDEX; Schema: public; Owner: postgres

--

CREATE INDEX "IX\_tbencyclopedia\_publicationId" ON public.tbencyclopedia USING btree ("publicationId");

--

-- TOC entry 2803 (class 1259 OID 24753)

-- Name: IX\_tbmagazine\_publicationId; Type: INDEX; Schema: public; Owner: postgres

--

CREATE INDEX "IX\_tbmagazine\_publicationId" ON public.tbmagazine USING btree ("publicationId");

--

-- TOC entry 2792 (class 1259 OID 24754)

-- Name: IX\_tbmanager\_personId; Type: INDEX; Schema: public; Owner: postgres

--

CREATE INDEX "IX\_tbmanager\_personId" ON public.tbmanager USING btree ("personId");

--

-- TOC entry 2793 (class 1259 OID 24755)

-- Name: IX\_tbmanager\_roleId; Type: INDEX; Schema: public; Owner: postgres

--

CREATE INDEX "IX\_tbmanager\_roleId" ON public.tbmanager USING btree ("roleId");

--

-- TOC entry 2782 (class 1259 OID 24756)

-- Name: IX\_tbmember\_personId; Type: INDEX; Schema: public; Owner: postgres

--

CREATE INDEX "IX\_tbmember\_personId" ON public.tbmember USING btree ("personId");

--

-- TOC entry 2806 (class 1259 OID 24757)

-- Name: IX\_tbpenalty\_actionId; Type: INDEX; Schema: public; Owner: postgres

--

CREATE INDEX "IX\_tbpenalty\_actionId" ON public.tbpenalty USING btree ("actionId");

--

-- TOC entry 2807 (class 1259 OID 24758)

-- Name: IX\_tbpenalty\_personId; Type: INDEX; Schema: public; Owner: postgres

--

CREATE INDEX "IX\_tbpenalty\_personId" ON public.tbpenalty USING btree ("personId");

--

-- TOC entry 2788 (class 1259 OID 24759)

-- Name: IX\_tbpublication\_publicationTypeId; Type: INDEX; Schema: public; Owner: postgres

--

CREATE INDEX "IX\_tbpublication\_publicationTypeId" ON public.tbpublication USING btree ("publicationTypeId");

--

-- TOC entry 2789 (class 1259 OID 24760)

-- Name: IX\_tbpublication\_publishHomeId; Type: INDEX; Schema: public; Owner: postgres

--

CREATE INDEX "IX\_tbpublication\_publishHomeId" ON public.tbpublication USING btree ("publishHomeId");

--

-- TOC entry 2785 (class 1259 OID 24761)

-- Name: IX\_tbwriter\_personId; Type: INDEX; Schema: public; Owner: postgres

--

CREATE INDEX "IX\_tbwriter\_personId" ON public.tbwriter USING btree ("personId");

--

-- TOC entry 2836 (class 2620 OID 24816)

-- Name: tbbook trg\_add\_book; Type: TRIGGER; Schema: public; Owner: postgres

--

CREATE TRIGGER trg\_add\_book AFTER INSERT ON public.tbbook FOR EACH ROW EXECUTE PROCEDURE public.add\_bookcount();

--

-- TOC entry 2838 (class 2620 OID 24834)

-- Name: tbmagazine trg\_add\_magazine; Type: TRIGGER; Schema: public; Owner: postgres

--

CREATE TRIGGER trg\_add\_magazine AFTER INSERT ON public.tbmagazine FOR EACH ROW EXECUTE PROCEDURE public.add\_magazinecount();

--

-- TOC entry 2834 (class 2620 OID 24841)

-- Name: tbpublication trg\_add\_publication; Type: TRIGGER; Schema: public; Owner: postgres

--

CREATE TRIGGER trg\_add\_publication AFTER INSERT ON public.tbpublication FOR EACH ROW EXECUTE PROCEDURE public.add\_publicationcount();

--

-- TOC entry 2832 (class 2620 OID 24842)

-- Name: tbwriter trg\_add\_writer; Type: TRIGGER; Schema: public; Owner: postgres

--

CREATE TRIGGER trg\_add\_writer AFTER INSERT ON public.tbwriter FOR EACH ROW EXECUTE PROCEDURE public.add\_writercount();

--

-- TOC entry 2837 (class 2620 OID 24837)

-- Name: tbbook trg\_del\_book; Type: TRIGGER; Schema: public; Owner: postgres

--

CREATE TRIGGER trg\_del\_book AFTER DELETE ON public.tbbook FOR EACH ROW EXECUTE PROCEDURE public.sub\_bookcount();

--

-- TOC entry 2839 (class 2620 OID 24838)

-- Name: tbmagazine trg\_del\_magazine; Type: TRIGGER; Schema: public; Owner: postgres

--

CREATE TRIGGER trg\_del\_magazine AFTER DELETE ON public.tbmagazine FOR EACH ROW EXECUTE PROCEDURE public.sub\_magazinecount();

--

-- TOC entry 2835 (class 2620 OID 24843)

-- Name: tbpublication trg\_del\_publication; Type: TRIGGER; Schema: public; Owner: postgres

--

CREATE TRIGGER trg\_del\_publication AFTER DELETE ON public.tbpublication FOR EACH ROW EXECUTE PROCEDURE public.sub\_publicationcount();

--

-- TOC entry 2833 (class 2620 OID 24844)

-- Name: tbwriter trg\_del\_writer; Type: TRIGGER; Schema: public; Owner: postgres

--

CREATE TRIGGER trg\_del\_writer AFTER DELETE ON public.tbwriter FOR EACH ROW EXECUTE PROCEDURE public.sub\_writercount();

--

-- TOC entry 2823 (class 2606 OID 24680)

-- Name: tbaction FK\_tbaction\_tbperson; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbaction

ADD CONSTRAINT "FK\_tbaction\_tbperson" FOREIGN KEY ("personId") REFERENCES public.tbperson(id) ON DELETE RESTRICT;

--

-- TOC entry 2824 (class 2606 OID 24685)

-- Name: tbaction FK\_tbaction\_tbpublication; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbaction

ADD CONSTRAINT "FK\_tbaction\_tbpublication" FOREIGN KEY ("publicationId") REFERENCES public.tbpublication(id) ON DELETE RESTRICT;

--

-- TOC entry 2825 (class 2606 OID 24697)

-- Name: tbbook FK\_tbbook\_tbpublication; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbbook

ADD CONSTRAINT "FK\_tbbook\_tbpublication" FOREIGN KEY ("publicationId") REFERENCES public.tbpublication(id) ON DELETE RESTRICT;

--

-- TOC entry 2829 (class 2606 OID 24738)

-- Name: tbbookwriter FK\_tbbookwriter\_tbbook; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbbookwriter

ADD CONSTRAINT "FK\_tbbookwriter\_tbbook" FOREIGN KEY ("bookId") REFERENCES public.tbbook(id) ON DELETE RESTRICT;

--

-- TOC entry 2830 (class 2606 OID 24743)

-- Name: tbbookwriter FK\_tbbookwriter\_tbwriter; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbbookwriter

ADD CONSTRAINT "FK\_tbbookwriter\_tbwriter" FOREIGN KEY ("writerId") REFERENCES public.tbwriter(id) ON DELETE RESTRICT;

--

-- TOC entry 2831 (class 2606 OID 24793)

-- Name: tbencyclopedia FK\_tbencyclopedia\_tbpublication; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbencyclopedia

ADD CONSTRAINT "FK\_tbencyclopedia\_tbpublication" FOREIGN KEY ("publicationId") REFERENCES public.tbpublication(id) ON DELETE RESTRICT;

--

-- TOC entry 2826 (class 2606 OID 24709)

-- Name: tbmagazine FK\_tbmagazine\_tbpublication; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbmagazine

ADD CONSTRAINT "FK\_tbmagazine\_tbpublication" FOREIGN KEY ("publicationId") REFERENCES public.tbpublication(id) ON DELETE RESTRICT;

--

-- TOC entry 2821 (class 2606 OID 24663)

-- Name: tbmanager FK\_tbmanager\_tbperson; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbmanager

ADD CONSTRAINT "FK\_tbmanager\_tbperson" FOREIGN KEY ("personId") REFERENCES public.tbperson(id) ON DELETE RESTRICT;

--

-- TOC entry 2822 (class 2606 OID 24668)

-- Name: tbmanager FK\_tbmanager\_tbrole; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbmanager

ADD CONSTRAINT "FK\_tbmanager\_tbrole" FOREIGN KEY ("roleId") REFERENCES public.tbrole(id) ON DELETE RESTRICT;

--

-- TOC entry 2817 (class 2606 OID 24622)

-- Name: tbmember FK\_tbmember\_tbperson; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbmember

ADD CONSTRAINT "FK\_tbmember\_tbperson" FOREIGN KEY ("personId") REFERENCES public.tbperson(id) ON DELETE RESTRICT;

--

-- TOC entry 2827 (class 2606 OID 24721)

-- Name: tbpenalty FK\_tbpenalty\_tbaction; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbpenalty

ADD CONSTRAINT "FK\_tbpenalty\_tbaction" FOREIGN KEY ("actionId") REFERENCES public.tbaction(id) ON DELETE RESTRICT;

--

-- TOC entry 2828 (class 2606 OID 24726)

-- Name: tbpenalty FK\_tbpenalty\_tbperson; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbpenalty

ADD CONSTRAINT "FK\_tbpenalty\_tbperson" FOREIGN KEY ("personId") REFERENCES public.tbperson(id) ON DELETE RESTRICT;

--

-- TOC entry 2819 (class 2606 OID 24646)

-- Name: tbpublication FK\_tbpublication\_tbpublication; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbpublication

ADD CONSTRAINT "FK\_tbpublication\_tbpublication" FOREIGN KEY ("publicationTypeId") REFERENCES public.tbpublication(id) ON DELETE RESTRICT;

--

-- TOC entry 2820 (class 2606 OID 24651)

-- Name: tbpublication FK\_tbpublication\_tbpublishhome; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbpublication

ADD CONSTRAINT "FK\_tbpublication\_tbpublishhome" FOREIGN KEY ("publishHomeId") REFERENCES public.tbpublishhome(id) ON DELETE RESTRICT;

--

-- TOC entry 2818 (class 2606 OID 24634)

-- Name: tbwriter FK\_tbwriter\_tbperson; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbwriter

ADD CONSTRAINT "FK\_tbwriter\_tbperson" FOREIGN KEY ("personId") REFERENCES public.tbperson(id) ON DELETE RESTRICT;

-- Completed on 2021-12-20 23:31:56

--

-- PostgreSQL database dump complete

--

1. Stored Procedure Ve Trigger  
   create procedure addpubtype(d1 text)

language SQL

as $$

insert into tbpublicationtype(name) values (d1);

$$;

create procedure addpubhome(d1 text)

language SQL

as $$

insert into tbpublishhome(name) values (d1);

$$;

create procedure getMember()

language SQL

as $$

select \* from tbperson inner join tbperson.id ontbmember.personId

$;

$$;

create procedure getPubHGome()

language SQL

as $$

select \* from tbpublishhome;

$$;

$$;  
--------------------------------------------------  
- CREATE TRIGGER trg\_add\_book

AFTER INSERT

ON public.tbbook

FOR EACH ROW

EXECUTE PROCEDURE public.add\_bookcount();  
CREATE FUNCTION public.add\_bookcount()

RETURNS trigger

LANGUAGE 'plpgsql'

COST 100

VOLATILE NOT LEAKPROOF

AS $BODY$

begin

update tbsettings set BookCount=BookCount-1;

return new;

end;

$BODY$;

ALTER FUNCTION public.add\_bookcount()

OWNER TO postgres;  
----------------------------------------------------------------  
CREATE TRIGGER trg\_del\_book

AFTER DELETE

ON public.tbbook

FOR EACH ROW

EXECUTE PROCEDURE public.sub\_bookcount();  
CREATE FUNCTION public.sub\_bookcount()

RETURNS trigger

LANGUAGE 'plpgsql'

COST 100

VOLATILE NOT LEAKPROOF

AS $BODY$

begin

update tbsettings set BookCount=BookCount-1;

return new;

end;

$BODY$;

ALTER FUNCTION public.sub\_bookcount()

OWNER TO postgres;  
--------------------------------------------------  
CREATE TRIGGER trg\_add\_writer

AFTER INSERT

ON public.tbwriter

FOR EACH ROW

EXECUTE PROCEDURE public.add\_writercount();  
CREATE FUNCTION public.add\_writercount()

RETURNS trigger

LANGUAGE 'plpgsql'

COST 100

VOLATILE NOT LEAKPROOF

AS $BODY$

begin

update tbsettings set writercount=writercount+1 where id=0;

return new;

end;

$BODY$;

ALTER FUNCTION public.add\_writercount()

OWNER TO postgres;  
---------------------------------------------------------------------  
CREATE TRIGGER trg\_del\_writer

AFTER DELETE

ON public.tbwriter

FOR EACH ROW

EXECUTE PROCEDURE public.sub\_writercount();  
CREATE FUNCTION public.sub\_writercount()

RETURNS trigger

LANGUAGE 'plpgsql'

COST 100

VOLATILE NOT LEAKPROOF

AS $BODY$

begin

update tbsettings set writercount=writercount-1;

return new;

end;

$BODY$;

ALTER FUNCTION public.sub\_writercount()

OWNER TO postgres;  
------------------------------------------------------------------

1. CRUD İşlemleri  
   Ekleme İşlemi  
   metin, ekran görüntüsü, ekran, gümüş içeren bir resim

   Açıklama otomatik olarak oluşturuldu  
   metin, ekran görüntüsü, ekran içeren bir resim

   Açıklama otomatik olarak oluşturuldu  
     
   Düzenleme İşlemi  
   metin, ekran görüntüsü, ekran içeren bir resim

   Açıklama otomatik olarak oluşturuldu  
   metin, ekran görüntüsü, ekran, gümüş içeren bir resim

   Açıklama otomatik olarak oluşturuldu  
     
   Silme İşlemi  
   Sil butonuna tıklanmadan önce  
   metin, ekran görüntüsü, ekran, gümüş içeren bir resim

   Açıklama otomatik olarak oluşturuldu  
   Sil Butonuna Tıklandıktan sonra  
   metin, ekran görüntüsü, ekran içeren bir resim

   Açıklama otomatik olarak oluşturuldu  
   Arama İşlemi  
   Aramadan Önce  
   metin, ekran görüntüsü, ekran, gümüş içeren bir resim

   Açıklama otomatik olarak oluşturuldu  
   Ara Butonuna Tıkladıktan Sonra  
   metin, ekran görüntüsü, ekran içeren bir resim

   Açıklama otomatik olarak oluşturuldu
2. Kaynak Kodlar  
   Kaynak kodalr proje dosyası olarak eklenmiştir.
3. Video Linki